



For over 117 years we've possessed an unrelenting ambition to produce the world's most trusted and requested protective wear. Through the decades, we have continuously proven our dedication to quality, producing world beating safety garments, foot protection, hand protection and PPE, while pushing the boundaries in protection technologies. Technologies that make the workplace a safer place.

YEARS EXPERIENCE IN INNOVATION, CUSTOMER FOCUS, SERVICE AND VALUE.

GLOBAL WAREHOUSES IN UK, IRELAND, ITALY, POLAND, SPAIN, UAE, USA AND AUSTRALIA. FULLY OWNED FACTORIES IN BANGLADESH, MYANMAR, ITALY, ALBANIA AND ETHIOPIA.





STAFF GLOBALLY

We only sell to resellers. You can check stock, order and receive confirmation all on **portwest.com**. Same day dispatch, and a wide range of services give you flexible options for end users.

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TRADING ETHICALLY AND OPERATING RESPONSIBLY IS A FUNDAMENTAL PART OF OUR BUSINESS STRATEGY

Our main aim is to minimise the impact our operations have on the environment and the natural resources we consume.

We understand that our workforce is integral to achieving our business goals and we are fully committed to ensuring that all our worker's safety, human rights and wellbeing are respected. To achieve this, we have developed a new initiative with clearly defined short and long-term sustainability goals. We call this initiative **Portwest Planet**.



NSI

INDEPENDENT PARTNERSHIPS

Portwest products are rigorously tested and certified by accredited test houses and notified bodies including:















PORTWEST PLANET SUSTAINABILITY PROGRAMME IS UNDERPINNED BY FOUR STRATEGIC PILLARS.

1. ENVIRONMENT

We continuously strive to introduce low-carbon and green initiatives by increasing resource efficiency and designing more sustainable products.

In 2021 Portwest introduced a new eco-friendly range of products. Each of these products has been responsibly sourced and produced in the most environmentally friendly manner achievable. Look out for the Portwest Planet symbol throughout this catalogue which guarantees each product's green credentials.

Portwest has signed up to The UK Plastics Pact which will transform the UK packaging sector and help stop plastics polluting the environment. By 2025 we pledge that we will greatly reduce unnecessary single use packaging through redesign, innovation or alternative delivery models.



Portwest is undergoing STeP certification by OEKO-TEX®. Our aim is to further enhance and communicate our environmental and ethical measures which will enable all partners to understand our corporate social responsibility commitments.

It is Portwest's aim to respond meaningfully and take the necessary steps to address the ongoing threat of climate change.

ISO 14001 Environmental Management Systems

Portwest comply with ISO 14001 which means that we have worked hard to set up a fully integrated and proactive Environmental Management System. This system enables us to reduce our carbon footprint and better manage the impact of operational activities on the environment.

Our long-term goal is that all suppliers will be SEDEX compliant and WRAP certified and we are currently working with key suppliers to achieve this.

2. LABOUR AND HUMAN RIGHTS

Strong corporate and economic growth has enabled Portwest to drive progress and improve living standards for all workers throughout our business.

Portwest's fully owned factories are certified to the WRAP Gold Standard. WRAP is the worlds largest, independent, factory based compliance programme for responsible production in the sewn product sector.



We use Lost Time Injury Rate (LTIR) as a way to measure and track our performance and we are ISO 45001 certified.

3. SUSTAINABLE PROCUREMENT

Portwest is a member of Sedex, one of the world's leading online platforms for companies to manage and improve working conditions in global supply chains. Our fully owned factories are audited using the Sedex Members Ethical Trade Audit (SMETA). SMETA is a social auditing framework that aims to support business practices across labour standards, universal rights, management systems and health and safety. Sedex and SMETA are underpinned by the Ethical Trading Institute and the Internal Labour Organisation.



4. ETHICS

As a global family-owned company, in business since 1904, Portwest is committed to conducting and growing our business in a sustainable and ethical manner.

We have a comprehensive learning and development programme in place and ask for 100% engagement in corporate ethics and anti-corruption and bribery training.

IT security is one of our top priorities, we are determined to protect business information for our suppliers, customers and staff. We follow the CIS20 set of best practice frameworks to achieve this.



85% of our garments carry the OEKO-TEX[®] STANDARD 100 label, guaranteeing that every component of this product has been tested for harmful substances.



We are a member of Sedex, one of the world's leading online platforms for companies to manage and improve working conditions in global supply chains.



INDUSTRIES

UUUUU

END TO END SAFETY SOLUTIONS

Over the past 100 years, our design experts have developed a deep understanding of the safety needs of workers across many industries. This experience has helped us to develop end to end safety solutions that are designed to meet the needs of each profession within that industry.

2

CRAFT AND LIGHT INDUSTRY

BUILDING AND CONSTRUCTION

T

ELECTRONICS AND **TELECOMMUNICATIONS**

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MEDICAL PHARMACEUTICAL AND HYGIENE

OIL, GAS, ENERGY, MINING, WELDING AND HEAVY INDUSTRY

HOSPITALITY AND RING

TRANSPORT. LOGISTICS AND WAREHOUSING

RDOUS ERIALS

RT & ALL

MARINE AND

AL AND



PROTECTION AGAINST HAZARDS



HEAT AND FLAME

Workers in the toughest industries regularly encounter heat and flame. Whether it is radiant, convective or conductive heat, serious injuries and even fatalities are caused by heat and flame hazards. Workers deserve the powerful protection offered by Portwest's innovative flame resistant range of products.



ELECTRIC ARC

An electric arc is a rapid and instantaneous electric discharge of high current between conductors generating very bright light and intensive heat. If a worker is in close proximity to an Arc flash, serious injury and even death can occur.



ELECTROSTATIC - ESD

Electrostatic discharge, or ESD as it is more commonly known, is the rapid, spontaneous transfer of electrostatic charge induced by a high electrostatic field. Failure to protect against the dangers of ESD cost industries millions every year.



CHEMICAL

Industrial workers face dangers posed by chemicals every day. Chemicals present danger in many forms. As liquids, sprays, dry particles or in pressurised form chemicals pose a serious threat. Portwest offers powerful chemical protection solutions across the range.



NUCLEAR PARTICLE

Radioactive contamination is a real risk for workers in many industries. Garments that help prevent contamination to skin and hair are a must for workers potentially exposed to this type of hazard.



EXTREME HOT WEATHER

The harmful effects of the sun seriously compromise workers' health. Heat related fatigue and illness cost employers serious time and money. The Portwest design team have developed innovative cooling products that keep workers cool and protected from extreme heat and sun exposure.















EXTREME COLD WEATHER

Extremely cold or wet weather conditions present a serious work place hazard. Frostbite and hypothermia are real concerns for many industrial workers. Portwest provides workwear and PPE solutions for all climatic conditions.



LOW VISIBILITY

Workers in low light and poor visibility conditions, especially those working around moving vehicles, need high visibility garments to ensure maximum visibility. Portwest offers 350+ styles - the most comprehensive range of high visibility garments in the market.



IMPACT

Head, hand or foot, impact is a serious workplace hazard. Portwest's team of experts utilise the latest research in materials technology to offer protective equipment that absorbs the maximum amount of force from impacts.



сит

Cut injury is one of the most frequent types of accidents reported in working environments. Portwest has a range of garments and hand protection to safeguard against the risk of cuts and lacerations.



EYE INJURY

Every day workers across the globe lose valuable working hours or suffer potentially life changing injuries due to eye accidents. Portwest eye protection range offers 50 innovative products that provide powerful optical protection against workplace hazards.



NOISE LEVELS

Frequent exposure to loud noise is one of the most common work place hazards. Exposure to loud noise can kill the nerve endings in the inner ear and over time the result can be permanent hearing loss that cannot be corrected.



RESPIRATORY DANGERS

Respiratory protective equipment is used to protect the individual wearer against inhalation of hazardous substances in workplace air. At worst these hazards may cause cancer, lung impairment, diseases, or death.



SLIPPERY SURFACES

From heavy manufacturing to the pharmaceutical sector slips, trips and falls are the most common cause of workplace injury. The provision of slip resistant footwear and safety mats is key to protecting workers from this hazard.





144 STYLES

49 STYLES



24 STYLES







EXPERTS IN **DESIGN**

033

Our award-winning design and innovation team of

over 40 designers and product managers deliver inspiring and contemporary designs that offer optimum protection and meet the everyday needs of the wearer.

040





INNOVATION IS IN OUR DNA

Continuous innovation ensures our protective wear meets the ever evolving demands of workers across multiple industries.

Our development includes the most advanced fabrics and tapes, uncompromising durability, increased certification, smart components and enhanced protective features to ensure wearer safety and enhanced job performance.

ALWAYS PUSHING BOUNDARIES





CUSTOM

YOUR IMAGE, OUR EXPERTISE

There are times when your requirements are so unique that only the professionals with over a century's worth of design experience can help. **Portwest Custom** is the solution, an end-to-end design service for bespoke safety products. Working hand in hand with customers, each year we get to create thousands of bespoke products for a variety of industries around the world.

- Over a century's worth of design experience
- Most bespoke orders are repeat business each year
- Market leading sampling and production capacity
- Stock holding in global warehouses
- Flexible payment terms with low deposit

сиятом - we Love то learn, listen, innovate and deliver



YOUR LABELLING AND SIZE RANGE

So LOGI

YOUR CUSTOM PRODUCT DESIGNED FOR YOU - FROM CONCEPT TO PRODUCTION

YOUR

BRANDING

CUSTOM DESIGN

YOUR FABRIC SELECTION

YOUR PACKAGING

DESIGNED / SAMPLED / CERTIFIED
PRODUCED AND DELIVERED

Size . € 99 c



CUSTOM

We want to make it easy for you to create a product or collection that delivers above and beyond your specific requirements. Let our expert designers work with you throughout the development process to see for yourself what their unrelenting ambition and passion can deliver.

DESIGN EXPERTS

PORTWEST

сизтом - we Love то learn, listen, innovate and deliver











LET OUR EXPERTS JOIN YOUR TEAM

DESIGN EXPERTS:

- Our designers are the best in the business and true experts in their craft
- They can tailor existing products or design fully bespoke collections depending on each customers requirements and budget
- All designers can provide a technical review of existing designs or a full technical specification development service

PRODUCTION EXPERTS:

- Portwest factories have dedicated production lines for bespoke orders which gives us greater capacity and full control on lead times
- Dedicated sample rooms enable us to quickly produce product samples
- We take responsible and ethical production seriously. Our factories are WRAP certified, and we are members of Sedex and OEKO-TEX®

QUALITY EXPERTS:

- Every bespoke product is rigorously tested in-house and subsequently certified by accredited test houses and notified bodies
- Unrivalled sourcing capability with access to quality assured, ethical, accredited fabrics, materials and trims

PROJECT EXPERTS:

- Our team of experienced project managers will be your key point of contact throughout the project
- They will proactively keep you informed on progress from concept to order delivery

DESIGNED / SAMPLED / CERTIFIED
PRODUCED AND DELIVERED



PERSONALISE

YOUR IMAGE, YOUR BRAND

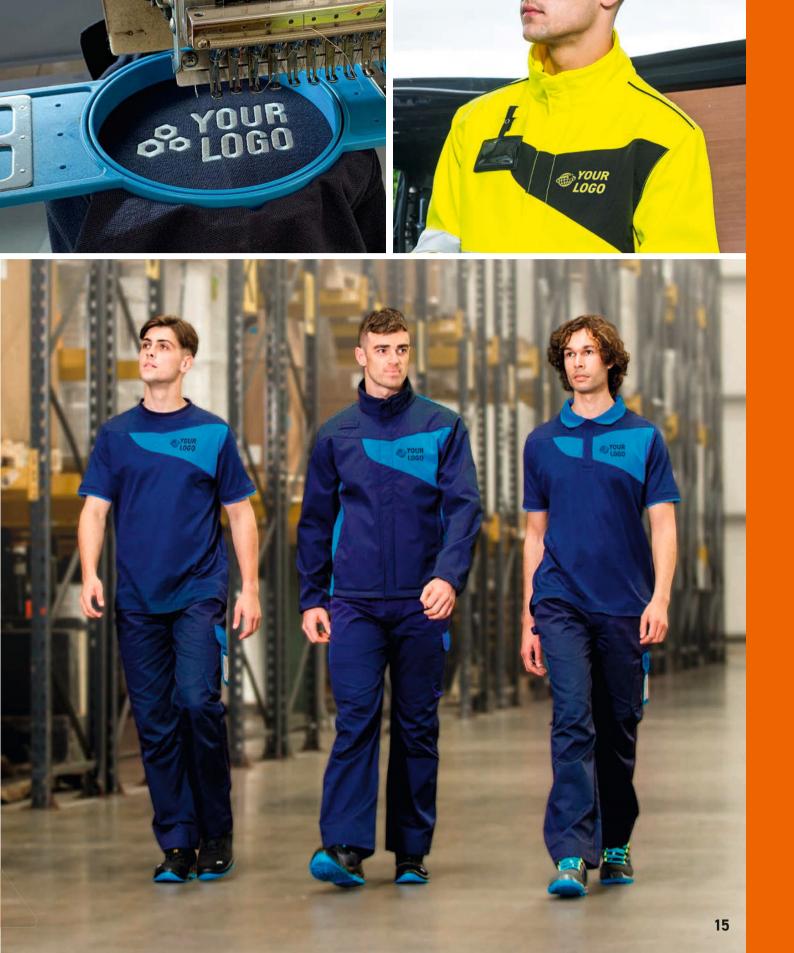
Your workwear says a lot about who you are as a company. Adding branding to corporate clothing shows the pride you place in your brand and brings greater team unity. Portwest Personalised is the service for you, it allows customers to personalise existing products and make minor design changes.

> Personalised: OUR STYLES. YOUR BRANDING

Personalised: OUR STYLES, YOUR LABELLING

PERSONALISED -

It is quick and easy to place an order. Flexible and competitive lead times when using standard fabric. ***This service does not apply to colour changes***





TESTING

GLOBAL CERTIFICATION

As a global manufacturer of protective wear, Portwest products are rigorously and independently tested to international standards and certified by accredited test houses and notified bodies across the world.

Internationally recognised, the CE Marking on a product indicates compliance with the essential requirements for health and safety as outlined in the PPE Regulation (EU) 2016/425. Portwest products carry this marking where applicable. End users of protective products should refer to PPE Regulation (EU) 2016/425 for the assessment of health and safety at work.

The UKCA (UK Conformity Assessed) marking is a new UK product marking that is used for goods being placed on the market in Great Britain. It covers most goods that previously required the CE marking, known as 'new approach' goods. At the time of print (2021), all Portwest products which carry the CE marking are also being tested & certified under UKCA. In Northern Ireland, products will carry both the CE and UKCA marks.

Portwest products are also tested to ISO, ANSI, NFPA and ASTM in the United States, AS/NZS in Australia, New Zealand. Work is in progress to test and certify some key products to ESMA in the UAE and the Russian EAC (TR CU 019/2011) standards.















The manufacturer of CE-marked goods verifies that the product complies with all applicable EU requirements, such as safety, health and environmental protection, and if stipulated in any EU product legislation, has had them examined by a Notified Body or produced according to a certified production quality system.





FABRICS

Our fabrics need to work hard. They need to protect and be comfortable, stretch and be durable, perform and be skin friendly. Great care and consideration is given to the selection of each and every fabric that is used across the entire range.



Araflame[™] is an inherently permanent flame resistant aramid. It is extremely flame resistant, lightweight, offers high tensile strength and full anti-static protection. Araflame Plus[™] has been tested to the highest international standards and outperforms market leading brands in like for like comparison tests.



ANTI-STATIC MODAFLAME FLAME RESISTANT MODAFLAME MOD

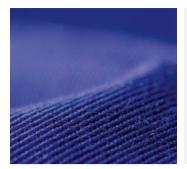
Modacrylic fibres provide inherent permanent flame resistance, excellent dimensional stability and high elastic properties which allow garments to retain their shape. High cotton content gives the fabric comfort, warmth and a soft handle. Carbon fibre woven into the fabric gives inherent antistatic properties.





BizflameTM has a proprietary flame resistant finish which, when applied to fabric, gives excellent flame resistance. All of the Bizflame fabrics use the highest quality raw materials, ensuring the perfect balance of comfort and strength.





Bizweld[™] is a flame resistant, cotton fabric, globally available and engineered for maximum performance, comfort and durability.

This high-technology fabric is used with confidence by millions of workers in the welding industry and allied industries.





Made with 300 Denier 100% polyester yarn, this is a tough fabric for tough conditions. 300D fabric has superb abrasion and tear resistance. The double polyurethane (PU) coating on the inside makes the fabric durable and waterproof, and the outer has a water and stain repellent coating which helps keep the garment clean.





Kingsmill[™] cotton, polycotton and stretch fabrics have been constructed to a high specification and are the ideal choice for your workwear needs. They have excellent dye retention, tensile and tear strength and a high pilling resistance. Garments made from a Kingsmill[™]fabric have a UPF rating of over 40+ so will block 98% of the UV rays which fall on the garment.





This durable, stretchable fabric is tear resistant, anti-fungal, oil, fat, diesel and grease resistant and can be easily wiped clean. All garments are finished with high frequency welded seams ensuring maximum water-resistance.





This high performance fabric has been engineered to provide a technical barrier against the elements providing the maximum waterproof, breathable and windproof protection. The microporous fabric delivers exceptional stretch characteristics. The exterior fabric surface is treated with a Texpel finish to protect against water and oil stains.





FEATURES

MARKET LEADING COMPONENTS AND DESIGN FEATURES

The latest research and technology, coupled with premium fabrics and components ensure complete worker protection.

As industry demands evolve we continue to innovate. Our HiVisTex Pro retroreflective tape can withstand 50+ washes. ID card holders feature on both garments and head protection to allow for quick identification. Stretch and reinforced panels allow ease of movement with added durability. Taped and welded seams keep you dry in all weather. Adjustable hems, elasticated cuffs, and innovative wire lace fastening systems all ensure a safe fit.





Taped and welded seams

Reinforced panels

Triple-stitched seams

Hi-VisTex retroreflective tape lasts 50+ washes

40+ UPF protection

InsulatexPro lightweight thermal lining

COMFORT AND MOVEMENT

Innovative stretch fabrics

Underarm and back ventilation panels

CorePro advanced abrasion resistant

Hi-VisTex Pro segmented tape









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ENHANCED FUNCTIONALITY

ID card holders



Metal and glass fibre free

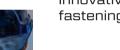


Touchscreen ready

Ezee zip



INNOVATIVE PROTECTION



Innovative wire lace fastening systems

Peak View - translucent peak and shell

8m

Oleophobic coated eye and hand protection



XRD Impact Protection





Hook and loop cuffs and wrist straps



Adjustable leg length

INNOVATIVE FABRIC FINISHES USED TO ENHANCE GARMENT PERFORMANCE.



TEXPEL



TEXPEL MICRO™ IS A UNIQUE TECHNOLOGY THAT INHIBITS THE SPREAD AND GROWTH OF HARMFUL MICROBES SUCH AS BACTERIA, FUNGI, SPORES AND VIRUSES.

This treatment has been independently tested and proven to reduce the spread of Coronavirus by 97%.



TEXPEL WICK DRYING EFFECT

Quality wicking fabric finish enhances drying and aids stain removal



TEXPEL SOS - STAIN-OIL-SPLASH

Premium stain resistant finish repels oil, water and grime



TEXPEL SPLASH

Extremely water resistant fabric finish, water beads away from fabric surface



MADE FOR WOMEN

FIT FOR PURPOSE

When creating protective wear for women, our designers are focused on reducing risk and increasing comfort, allowing workers to do their job unhindered. Garments are designed in line with average women's measurements such as height and arm length, thus reducing the risk of tripping or snagging. Additional tailoring around the waist and hips ensures maximum comfort over long periods of time.





By **PORTWEST**.

BASE PROTECTION AND PORTWEST A NEW STORY HAS BEGUN

Portwest and Base Protection have joined forces to be your single source for innovative protective wear. Today, this partnership is a reference point for those who seek comfort and protection.

FEEL THE COMFORT









By **PORTWEST**.

TECHNOLOGIES COMFORT IS OUR MISSION

At Base Protection, comfort inspires us and is at the core of everything we do.

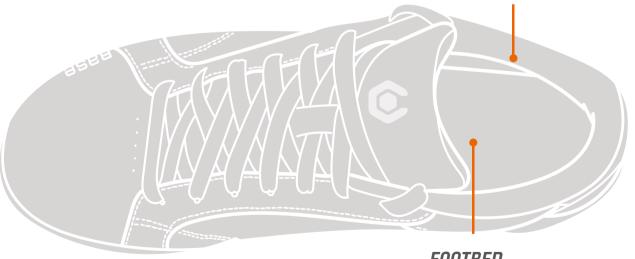
Comfort means designing and manufacturing footwear that reduces fatigue while increasing protection in hazardous situations and improving the lives of those who wear it.

LINING SmellStop

ANTI-BACTERIAL LINING

SmellStop Deluxe

ECOLOGICAL MICROFIBER LINING





MEMBRANE

H₂stOp

TECHNOLOGY

TOE CAP SpaceCap

REFINED AND DURABLE TOE CAP

Base

SlimCap

LIGHT METAL-FREE TOE CAP

OUTSOLE

idaptive

INTELLIGENT ADAPTIVE SYSTEM

LIGHT AND DURABLE

All Terrain

SOLE FOR EXCELLENT GRIP



RXT

THE NEW FORMULA FOR A REVOLUTIONARY SOLE

LifePlus

ULTIMATE GRIP IN WET CONDITIONS

Sticking SOLE FOR EXTRA GRIP

MIDSOLE

Fresh'n Flex

BALLISTIC FABRIC MIDSOLE

EXCLUSIVE PATENTS AND TECHNOLOGIES



By PORTWEST

COMFORT IS OUR MISSION

INNOVATIVE PREMIUM ITALIAN SAFETY FOOTWEAR

KAPTIV

THE FIRST SAFETY SHOE WITH STABILITY CONTROL, DESIGNED TO OFFER AN INCREDIBLE FEELING OF DYNAMIC COMFORT.



B1009 K-TWIST

S1F

B1002

K-POP



B1008 K-YOUNG



S1P

B1005 **K-TREK**



B1005 **K-JUMP**









B1006 K-WALK

S1P



K-UP

S1F

B1004

K-MOVE



B1004 K-STEP

S1P

B1007 **K-ENERGY**



B1004 K-SPEED

B1000 **K-ROAD**



K-ROAD TOP



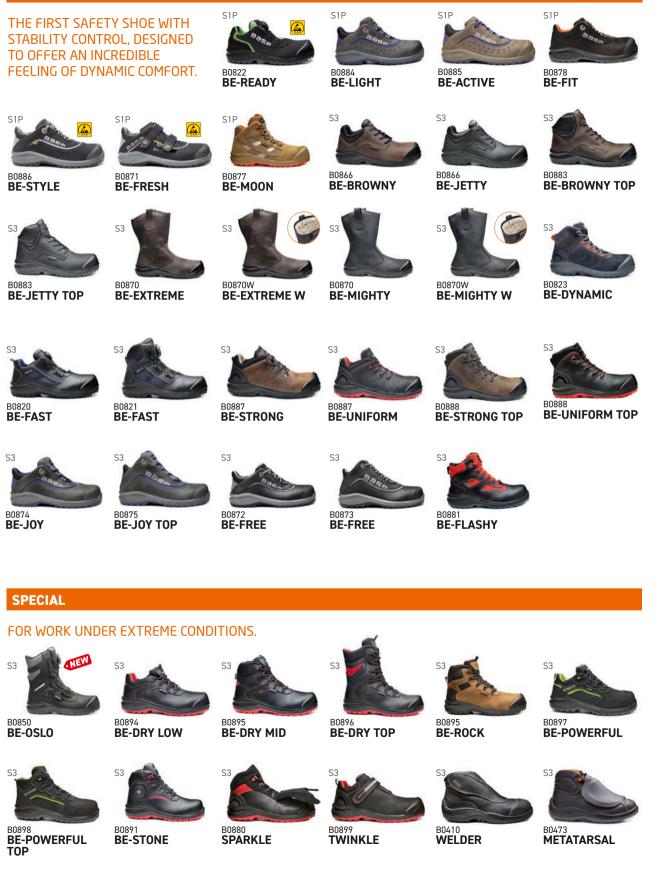
B1011 **K-CROSS**

RECORD S1P S1P S1P S1P S1P ANTI-FATIGUE LIGHTWEIGHT FOOTWEAR. B0657 **PADDLE** B0647 FRISBEE B0643 DARTS B0618 CLIMB B0670 ATTITUDE S1P S1P S1P S1P S1P B0671 ACE B0672 SMASH B0603 SOCCER B0604 SOCCER B0622 SCUBA B0652 DEALER S1P S3 S1P S1P S3 **S**3 B0620 SWIM B0698 B0617 AEROBIC B0677 MARATHON B0677E MARATHON ESD B0676 BOWLING S3 S3 S3 S3 S3 S3 B0676 TENNIS B0678 TENNIS TOP B0653 HOCKEY B0605 DIVING B0676 B0678 BOWLING TOP **BOWLING ESD** S3 S3 S3 i4 THE NEW FOOTWEAR RANGE S1P FOR INDUSTRY 4.0 AND B0627 RALLY B0609 RAFTING B0610 **RAFTING TOP** INNOVATIVE SECTORS THAT **ENSURES COMFORT, BALANCE** B1212 i-CYBER FLUO AND SAFETY. PLATINUM S1P S1P S1P THE SHOE THAT CHALLENGES EXTREME CONDITIONS, KEEPING YOUR FEET SAFE AND DRY, IN B1212 **i-CYBER** B1213 i-CYBER FLUO B1213 i-CYBER TOP ALL TEMPERATURES. TOP 53 S1P S1F 53 B0716 CAMEL B0712 BUFFALO B1210 **i-ROBOX** B1205 B1206 i-BIT i-LAB S3 \$3 S3 S3 B1209 i-ROBOX BLUE B1208 i-ROBOX BLUE B0741 BISON B0745 **ELK** B1211 i-ROBOX

TOP

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CLASSIC PLUS



OXFORD

ELEGANT AND STURDY. THE LINE DESIGNED FOR MANUFACTURING **OR CONSTRUCTION. TOTAL SAFETY** WITHOUT GIVING UP STYLE.







MISS BASE

WORKERS.

B0321 TIFFANY

S1P

ANTI-FATIGUE AND COMFORT,

S1P

B0314 IRIS

S2

B0507 CLORO N

DEDICATED TO FEMALE

S3





UNIVERSE





HYGIENE

SOLES RESISTANT TO ORGANIC LIQUID; BREATHABLE, WATER-RESISTANT, ANTI-SCRATCH UPPER: ANTIBACTERIAL AND ANTI-FUNGAL LINING.



B0553 RADON

B0290 LUNCH

S2

S2

OВ



SB

S2





B0535 BARIO

S2

SB



B0505 **OSMIO**



S1P

B0637 SKY

CLORO





S2 B0981

B0323 **KATE**

NATRIUM TOP



LITIO



B0540 VANADIO

B0696 COOKING



B0510 ARGO

B0508 CROMO

B0501 COBALTO

B0502 ZINCO



By PORTWEST.

SEE PORTWEST.COM FOR FULL INFORMATION

CLASSIC

THE ESSENTIAL CHOICE, FOR THOSE WHO DEMAND A COMFORTABLE WORKING SHOE.





B0118 MOZART





S3

B0116 SUMMER





B0119 BEETHOVEN





S3

B0180 JAGGER



S1P

B0474 QUARK



B0185 CURTIS





B0113 **PUCCINI**



B0120 BACH





B0114H VERDI HRO



B0416 RAIDER

S1





SMART EVO

LIGHTNESS AND FLEXIBILITY IN A MINIMALIST STYLE.



B0115 CONCORDE



B0954 PULSAR TOP

S1P



B0953 QUASAR



B0955 **SKAT**

S



S1P





B0979 OREN TOP



IZAR TOP

S3 B0957 **MATAR**

B0978E OREN ESD







S3

B0958 MATAR TOP





THE BEST QUALITY-PRICE RATIO FOR A SMART SHOE THAT MEETS ALL YOUR NEEDS.



33

B0166 ETOILE





DYNAMIC STRETCH

Stretch your limits with Portwest's most dynamic workwear collection yet. This contemporary collection combines all the technical features required of modern workwear, with many clever innovations to ensure the wearer achieves maximum function and style. The DX4[™] collection combines high performance stretch fabrics with robust oxford panels to provide unparalleled ease of movement and supreme flexibility. What defines this collection is the cutting edge designs which allow for a full crossover from work to leisure activity.





Portwest's cutting edge Kingsmill[™] Polyester Stretch is a four-way stretch fabric made from 93% polyester, 7% elastane. This blend provides ease of movement and effortless comfort in active use. The fabric delivers technical superiority with high breathability, moisture wicking and fast drying properties. A UPF rating of 40+ will block 98% of the UV rays.



Stay protected with CoreProTM panels that are precision engineered in high wear areas to provide the highest levels of abrasion resistance and durability. Tested to 100,000 rubs, this hardwearing fabric ensures maximum longevity in the toughest environments.



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DX475 DX4 HI-VIS SOFTSHELL (3L)



DX473 DX4 HI-VIS HYBRID BAFFLE JACKET





DX412 DX4 HI-VIS POLO SHIRT S/S





HOLSTER POCKET TROUSER

NEW

DX445 🖊 🖅 **DX4 HI-VIS CLASS 1 HOLSTER** POCKET TROUSER

STRETCH YOUR LIMITS WITH PORTWEST'S MOST DYNAMIC WORKWEAR **COLLECTION YET**







DX460 467 DX4 WINTER JACKET



DX474 477 DX4 SOFTSHELL JACKET (3L)



DX471 48 DX4 HYBRID BAFFLE JACKET



DX470 48 DX4 HYBRID BAFFLE GILET



DX472 DX4 ZIPPED HOODIE



DX410 54 DX4 POLO SHIRT S/S



DX411 547 DX4 T-SHIRT S/S





DX4 DETACHABLE HOLSTER POCKET TROUSER









DX444



WINTER JACKET

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VERTICAL AND HORIZONTAL HOOD ADJUSTMENT

THERMAL INSULATION

InsulatexPro is our most advanced lightweight thermal lining with supreme warmth-to-weight ratio. Three times warmer than standard insulation, the soft insulating fabric has millions of air pockets that trap air and body heat offering maximum protection in extreme cold and wet conditions without weighing the wearer down with excess weight.

DX461

12

HS

UPF

6

DX4 HI-VIS WINTER JACKET EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 4:1 X WP 20,000MM, MVP 5,000G/M²/24HRS

Premium waterproof and breathable fabric with mechanical stretch properties
 Extremely water resistant fabric fnish, water beads away from fabric surface
 InsulatexPro lining offers superior warmth without adding unnecessary weight
 Internal pockets for safe storage
 No shoulder seams for maximum waterproof protection
 Chin guard with internal storm flap provides extra comfort
 100% Polyester Stretch 2 Layer, 150D PU Transfer Membrane, 140g 100% Polyester Stretch 75D Pongee, 80g

 YYYYYI
 100% Polyester, 160g

 Immini I Orange/Black S-4XL, Yellow/Black S-4XL



INTERNAL STORM FLAP

CHIN GUARD WITH

ARTICULATED DARTS FOR ADDITIONAL SHAPING



PORTWEST

DRAWCORD ADJUSTABLE HEM



BACK



ERGONOMICALLY

NEV

SHAPED HOOD

527

DX475

18

HS

UPF

X3

[7]

Ø

DX4 HI-VIS SOFTSHELL (3L)

EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) WATERPROOF/BREATHABILITY WP 8.000MM, MVP 3.000G/M²/24HR

- Made of durable breathable, windproof and water resistant fabric
- $\cdot \ \ \, 7$ pockets for ample storage
- Internal pockets for safe storage
- Grown on hood is stylish and practical
 Pre-bent sleeves allow for increased
- freedom of movement
- $\cdot \,$ Drawcord adjustable hem

92% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 310g 92% Nylon, 8% Elastane 100% Polyester Mesh, 165g Orange/Black S-4XL, Yellow/Black S-4XL

SUPPLE FABRIC ENHANCES COMFORT AND IMPROVES MOBILITY

YELLOW/BLACK









BACK





4XL

 $\overrightarrow{\ }$

24



PADDED

NE

INSULATEX THERMAL INSULATION

INSULATED WITH INSULATEX LINING

Constructed using hollow fibre technology, Insulatex[™] provides a lighter and warmer thermal lining. The unique fabric technology locks in the body's warmth to create a thermal barrier whilst the high-performance fine knit offers superior lightweight comfort to the wearer without adding bulk.

DX473

24

UPI

6

28

DX4 HI-VIS HYBRID BAFFLE JACKET

EN ISO 20471 CLASS 2: SIZES S-M EN ISO 20471 CLASS 3: SIZE L UPWARDS RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- Body-mapped design helps balance insulation and increase freedom of movement
- Dynamic inner contrasting fabric
- 6 pockets for ample storage
- Zipped chest pockets
- · Side zip pockets
- · Internal pockets for safe storage
- 100% Polyester Ripstop, 85g 100% Polyester Knit bonded to 100% Polyester Fleece, 2 Layer 330g
- Insulatex Lining, 120g
- Orange/Black S-4XL, Yellow/Black S-4XL





YELLOW/BLACK

BODY MAPPED DESIGN FOR SUPERIOR WARMTH



ORANGE/BLACK

BACK



POLO SHIRT AND T-SHIRT



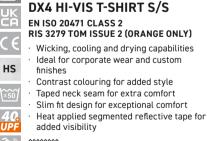


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YELLOW/BLACK



DX413

48

100% Polyester Pin Mesh, 150g Orange/Black S-4XL, Yellow/Black S-4XL









DX440 50

A



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DX445

visibility

18

HS

×25

UPF

U VI

i III

INCH

28 - 48

KINGSMILL

POLYESTER

STRETCH

СМ

REINFORCED PANELS

SLIM

FIT

5.7

YELLOW/BLACK







METRO BLUE

BACK

 \overleftrightarrow



527

DX474

18

DX4 SOFTSHELL JACKET (3L) WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M²/24HR

· Made of durable breathable, windproof and

- water resistant fabric
- · Dynamic inner contrasting fabric
- · Hook and loop cuffs for a secure fit
- · Grown on hood is stylish and practical · Pre-bent sleeves allow for increased freedom of movement
- · Reflective piping for increased visibility

92% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 310g 100% Polyester Mesh, 165g Black S-3XL, Metro Blue S-3XL

ADVANCED

ERGONOMICALLY SHAPED HOOD

TRIPLE DRY MEMBRANE TECHNOLOGY (3L)

BLACK

DRAWCORD ADJUSTABLE HEM



ROBUST STRETCH RIPSTOP PROVIDES SUPERIOR COMFORT AND PERFORMANCE





TEXPEL

METRO BLUE

BACK



PADDED

HYBRID BAFFLE JACKET AND GILET

DX471 DX4 HY

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DX4 HYBRID BAFFLE JACKET

- Body-mapped design helps balance insulation and increase freedom of movement
- · Dynamic inner contrasting fabric
- · Internal pockets for safe storage
- · Zipped chest pocket
- Elasticated cuffs for a secure fit
- · Reflective piping for increased visibility
- 100% Nylon, 65g

 75% Polyester, 20% Rayon, 5%

 Elastane, 330g

 Insulatex Lining, 120g

 Metro Blue S-3XL, Metal Grey S-3XL

INSULATEX

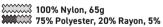
METAL GREY



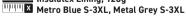
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DX470 DX4 HYBRID BAFFLE GILET

- Body-mapped design helps balance insulation and increase freedom of movement
- · Dynamic inner contrasting fabric
- · Internal pockets for safe storage
- · Zipped chest pocket
- Reflective piping for increased visibility
- · Curved back hem for added protection



Elastane, 330g





METRO BLUE





DX480 DX4 ZIP BASE LAYER

 $\cdot \,$ 4-way stretch fabric for ease of movement and added comfort

- · Engineered with an active fit
- · Front zip opening for easy access
- · Internal pockets for safe storage
- · Elasticated cuffs for a secure fit
- · Thumb loop

24

6

92% Nylon, 8% Elastane, 210g



THUMB HOLE FOR SECURE FIT



 $\hat{\Sigma}$

DX472

- DX4 ZIPPED HOODIE
- Moisture wicking fabric helping to keep the body cool and dry
- · Dynamic inner contrasting fabric
- · Engineered with an active fit
- · Internal pockets for safe storage
- Zipped chest pocket
- · Grown on hood is stylish and practical

75% Polyester, 20% Rayon, 5% Elastane, 330g

Metro Blue S-3XL, Metal Grey S-3XL, White S-3XL







BLACK



SHORTS AND TROUSER

270q





BACK



BLACK

DX4 HOLSTER SHORTS

- 4-way stretch fabric for ease of movement and added comfort
 Ripstop fabric to ensure durability and resistance to tearing and ripping
- 10 pockets for ample storage
- · Rule pocket

DX444

- · Zip off holster pockets for added versatility
- Stretch crotch gusset provides maximum flexibility and reduces stress

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g

65% Polyester, 35% Cotton Ripstop Weft Stretch 230g

INCH	СМ	EU	FR
30 - 42	76 - 108	46 - 58	38 - 54







DX449 DX4 WORK TROUSER

EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g

65% Polyester, 35% Cotton Ripstop Weft Stretch 230g CorePro: 88% Nylon 12% Elastane 275g

REG: 31" (79CM) ADJUSTABLE TO 33" (84CM)				
INCH	СМ	EU	FR	
28 - 48	72 - 124	44 - 64	36 - 60	







SLIM

24

CA



BIB AND BRACE

DX441

14

DX4 WORK BIB AND BRACE EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

270g

4-way stretch fabric for ease of movement and added comfort
Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

 \cdot $\,$ 14 pockets for ample storage

· Rule pocket

- Modern side access with stud and zip fastening
- · Triple-stitched seams for extra durability
- Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g 65% Polyester, 35% Cotton Ripstop Weft Stretch 230g
- CorePro: 88% Nylon 12% Elastane 275g
- Metal Grey S-3XL, White/Grey S-3XL



METRO BLUE

METAL GREY WHITE/GREY







POLO SHIRT AND T-SHIRT



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DX410 DX4 POLO SHIRT S/S

 \cdot Wicking, cooling and drying capabilities

- Contemporary design with clean cut lines
 Ideal for corporate wear and custom finishes
- · Contrast colouring for added style
- · Contrast premium zips for added style
- · Slim fit design for exceptional comfort

100% Polyester Pin Mesh, 150g





DX411 DX4 T-SHIRT S/S

- · Wicking, cooling and drying capabilities
- Contemporary design with clean cut lines
 Ideal for corporate wear and custom finishes
- Contrast colouring for added style
- · Slim fit design for exceptional comfort
- · Ribbed collar

100% Polyester Pin Mesh, 150g Black S-3XL, Metro Blue S-3XL

MOISTURE WICKING FOR MAXIMUM COMFORT



246



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T703 65

TECHNICAL STRETCH WORKWEAR

T701 67



TECHNICAL **STRETCH** WORKWEAR

Portwest WX3[™] technical stretch workwear balances comfort, versatility and aesthetics. Products are designed to the highest standards and offer a solution for everyday activity and working environments.

Constructed with cutting edge fabrics giving superior abrasion resistance and exceptional all-day comfort. Ingenious design solutions on fastenings and pocketing systems give unrivalled fit and security.



Stay protected with CorePro[™] panels that are precision engineered in high wear areas to provide the highest levels of abrasion resistance and durability. Tested to 100,000 rubs, this hardwearing fabric ensures maximum longevity in the toughest environments.



Kingsmill Polycotton Canvas is constructed using 65% Polyester, 35% Cotton Canvas 280g with a Peach Finish. This blend offers the ultimate in durability and performance. The fabric finish gives the garments an ultra-soft handle for all day exceptional comfort.



Ezee Zip^{TM} is a highly innovative zip technology available exclusively from Portwest. It brings to the market the first major innovation in zip fastening technology for a century. Ideal for left or right handed users, Ezee Zip is easy to work and securely fasten.

TECHNICAL STRETCH WORKWEAR



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WX3 WINTER JACKET



WX3 SOFTSHELL JACKET (3L)



WX3 HYBRID BAFFLE JACKET





T751 64 WX3 SOFTSHELL GILET (3L)



WX3 POLO SHIRT



T710 71 WX3 SHORTS



T704 70 WX3 BIB AND BRACE



T702 68

WX3 HOLSTER TROUSER



WX3 SERVICE TROUSER



PORTWEST **PLANET**



73 T753 WX3 ECO HYBRID SOFTSHELL JACKET (2L)



T722 WX3 ECO POLO SHIRT



WX3 ECO STRETCH HOLSTER TROUSER



INHERENT FLAME RESISTANCE



FR402

79

WX3 FR SERVICE TROUSER

FR602 78 WX3 FR WORK JACKET



FR701 WX3 FLAME RESISTANT HI-VIS T-SHIRT



FR704 WX3 FR SOFTSHELL



FR702 WX3 FLAME RESISTANT HI-VIS POLO SHIRT







PERSIAN BLUE

HANDWARMER POCKETS

UNCOMPROMISING **INSULATED PROTECTION**

T740 12 EN 343 CLASS 3:1 X WP 5,000MM increase warmth

Quick dry knitted cuff for a snug and

· Reflective trim for increased visibility and safety



METAL GREY





ADVANCED TRIPLE DRY MEMBRANE TECHNOLOGY (3L)

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T750 WX3 SOFTSHELL JACKET (3L) WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M¹/24HR

- Made of durable breathable, windproof and water resistant fabric
- Sleeve pocket
- Elasticated cuffs for a secure fit
- Back vent for breathability and comfort Reflective trim for increased visibility and
- safety • Pre-bent sleeves allow for increased
- freedom of movement

 94% Polyester, 6% Elastane 160g laminated to 100% Polyester Micro Polar Fleece 150g, 310g
 Metal Grey S-5XL, Persian Blue S-3XL, Olive Green S-3XL



OLIVE GREEN

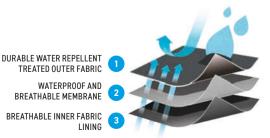


METAL GREY





PERSIAN BLUE



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INSULATED WITH INSULATEX LINING

Constructed using hollow fibre technology, Insulatex[™] provides a lighter and warmer thermal lining. The unique fabric technology locks in the body's warmth to create a thermal barrier with the high performance material offering superior lightweight comfort to the wearer without adding bulk.

T752 20

TEXPEL

WX3 HYBRID BAFFLE JACKET

- Body-mapped design helps balance insulation and increase freedom of movement
- Made of durable breathable, windproof and water resistant fabric
- · Internal pockets for safe storage · Side zip pockets
- · Elasticated cuffs for a secure fit
- · Reflective trim for increased visibility and safety
- 94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 310g

100% Nylon Ripstop, 65g

Metal Grey S-3XL, Persian Blue S-3XL







BACK

PERSIAN BLUE **BODY MAPPED DESIGN FOR INCREASED FREEDOM OF MOVEMENT**

PADDED



SOFTSHELL 3 LAYER GILET

T751 WX3 SOFTSHELL GILET (3L) WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M²/24HR

• Made of durable breathable, windproof and water resistant fabric

- Contemporary design with an ergonomic cut
- Internal pockets for safe storage
- · Side zip pockets
- · Elasticated armholes
- Reflective trim for increased visibility and safety
- 94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 310g
- Metal Grey S-3XL, Persian Blue S-3XL

DESIGNED FOR MULTI-PURPOSE USE







DURABLE WATER REPELLENT TREATED OUTER FABRIC

WATERPROOF AND BREATHABLE MEMBRANE

BREATHABLE INNER FABRIC LINING



METAL GREY

TEXPEL

24



280g

T703 WX3 WORK JACKET

- · Durable soft polycotton canvas for high
- performance and maximum wearer comfort
 Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
- 10 pockets for ample storage
- Zipped chest pocket
- · Detachable ID pocket
- Reflective trim for increased visibility and safety

Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish,

- 280g CorePro: 88% Nylon 12% Elastane, 275g
- Metal Grey S-3XL, Persian Blue S-3XL, Olive Green S-3XL



OLIVE GREEN



METAL GREY



ERGONOMIC 4X STRETCH PANELLING IN KEY MOVEMENT AREAS

PERSIAN BLUE





WORKWEAR TROUSER

INNOVATIVE STRETCH PANELLING IN KEY MOVEMENT AREAS

HIGH RISE BACK WAISTBAND

527

T701 WX3 WORK TROUSER EN 14404:2004+A1:2010 TYPE 2

- WX3 WORK TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)
- Durable soft polycotton canvas for high performance and maximum wearer comfort
 Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
- · 8 pockets for ample storage
- · Rule pocket

18

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- Triple-stitched seams for extra durability
 Contemporary design with an ergonomic cut
- Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish,
- 280g CorePro: 88% Nylon 12% Elastane, 275g
- Reg: Persian Blue, Metal Grey, Olive Green 28-48 Short: Metal Grey 28-42

REG: 31"(79CM) ADJUSTABLE TO 33"(84CM)					
INCH	СМ	EU	FR		
28 - 48	72 - 124	44 - 64	36 - 60		
SHORT: 29"(74CM)*					
28 - 42	72 - 108	44 - 58	36 - 54		





OLIVE GREEN



DETACHABLE ID POCKET

280g

TWO TIER KNEE PAD POCKETS



ADJUSTABLE LEG LENGTH



HOLSTER TROUSER

STRETCH FABRIC IN KEY AREAS DELIVERS EASE OF MOVEMENT

HIGH RISE BACK WAISTBAND

T702 18 WX3 HOLSTER TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156) · Durable soft polycotton canvas for high performance and maximum wearer comfort Innovative stretch panelling in key movement areas provides excellent comfort and flexibility · 12 Pockets for ample storage Rule pocket · Detachable ID pocket · Triple-stitched seams for extra durability 61 \square

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Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish, 280g CorePro: 88% Nylon 12% Elastane, 275g Metal Grey, Olive Green, Persian Blue

REG: 31"(79CM) ADJUSTABLE TO 33"(84CM)				
INCH	СМ	EU	FR	
28 - 48	72 - 124	44 - 64	36 - 60	





METAL GREY

OLIVE GREEN



TWO TIER KNEE PAD POCKETS

280g







TE

WX3 SERVICE TROUSER · Durable soft polycotton canvas for high

280g

- performance and maximum wearer comfort · Innovative stretch panelling in key movement areas provides excellent comfort and flexibility · 6 pockets for ample storage
- · Easy access cargo pocket
- · Detachable ID pocket

T711

· Concealed mobile phone pocket

*

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Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish, 280g

CorePro: 88% Nylon 12% Elastane, 275g

Black, Metal Grey, Persian Blue

REG: 31"(79CM) ADJUSTABLE TO 33"(84CM)				
INCH	СМ	EU	FR	
28 - 48	72 - 124	44 - 64	36 - 60	





EXCEPTIONAL COMFORT AND DURABILITY



PERSIAN BLUE

ADJUSTABLE

LEG LENGTH



BIB AND BRACE

T704 WX3 BIB /

14

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WX3 BIB AND BRACE EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- Durable soft polycotton canvas for high performance and maximum wearer comfort
 Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
 11 pockets for ample storage
 Rule pocket
- Modern side access with stud and zip fastening
- Triple-stitched seams for extra durability
- Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish, 280g
- CorePro: 88% Nylon 12% Elastane, 275g
- Metal Grey S-3XL, Persian Blue S-3XL
 - Regular 31" adjustable to tall leg 33" (79cm/84cm)

DETACHABLE ID POCKET

STUD AND ZIP

SIDE ACCESS

280g



STRETCH PANELS PROVIDE UNPARALLELED EASE OF MOVEMENT AND SUPREME FLEXIBILITY

> TWO TIER KNEE PAD POCKETS





ELASTICATED STRAPS



POLO SHIRT AND SHORTS



T720 WX3 POLO SHIRT

- · Made using Pique knit polycotton fabric which is soft to touch and comfortable to wear
- · Contemporary design with an ergonomic cut
- · Ideal for corporate wear and custom finishes
- · Modern styling with contrast piping
- · Reflective trim for increased visibility and safety
- · Loop at placket ideal for attaching glasses/ pens
- 65% Polyester, 35% Cotton, 210g Olive Green S-3XL





T710 WX3 SHORTS

- Durable soft polycotton canvas for high performance and maximum wearer comfort Innovative stretch panelling in key
- movement areas provides excellent comfort and flexibility
- 7 pockets for ample storage
- Detachable ID pocket

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- High rise back waistband ensures protection in all working positions
- Gripper elasticated inner waistline helping keep upper body garments in place
- Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish, 280g
- CorePro: 88% Nylon 12% Elastane, 275g Metal Grey, Persian Blue

INCH	СМ	EU	FR
28 - 42	72 - 108	44 - 58	36 - 54



280g





BLACK

OLIVE GREEN

PERSIAN BLUE

METAL GREY

T753 73

T722 74

T706 75



 \overleftrightarrow

Portwest continues to push the boundaries in sustainable workwear with the introduction of eco-conscious products to the WX3 collection. The use of certified recycled or sustainable fabrics and trims, where possible, ensures minimal impact on the environment.

Garments are designed for maximum comfort and performance but with a clean line involving minimal stitching details and reduced waste. All WX3 products that are made in Portwest owned factories are OEKO-TEX® STANDARD 100 certified.

PORTWEST.



PORTWEST

52

PLANET

T753 WX3 ECO HYBRID SOFTSHELL JACKET (2L)

- Made of durable breathable, windproof and water resistant fabric
- Environmentally friendly certified recycled fabric
- Zipped chest pocket
- · Elasticated cuffs for a secure fit
- Back vent for breathability and comfort
 Pre-bent sleeves allow for increased freedom of movement

 94% Recycled Polyester, 6% Elastane Ripstop Bonded to 100% Recycled Micro Polyester Fleece, 280g

 100% Recycled Polyester Weft Knit with Brushed Back, 310g

 ■ Black S-3XL



46 PET BOTTLES ARE RECYCLED TO MAKE THIS JACKET



BLACK

SUSTAINABLY MADE FROM 100% POST CONSUMER WASTE

20



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PLANET

10 PET BOTTLES ARE RECYCLED **TO MAKE THIS POLO SHIRT**



WX3 ECO POLO SHIRT

T722

48

UPF

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- Made from certified recycled polyester and bamboo viscose for ultimate comfort and
- performance Naturally hypoallergenic with antibacterial qualities
- · Built-in temperature control
- · Contemporary design with an ergonomic cut
- · Ideal for corporate wear and custom finishes
- · Modern styling with contrast piping

XXXXXX 55% Bamboo Viscose, 45% Recycled Polyester Pique Knit, 210g Black S-3XL



BAMBOO VISCOSE

Bamboo viscose is a natural textile made from the pulp of bamboo grass. Bamboo used to produce fabrics is easily replenished and needs no pesticides to grow.

T706 75

T722





STRETCH HOLSTER TROUSER

WX3 ECO STRETCH HOLSTER

EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156) • Environmentally friendly certified recycled

 2-way twill stretch fabric for ease of movement and added comfort
 13 pockets for ample storage

T706

fabric

TROUSER

24

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UPF



SLIM

65% Recycled Polyester, 33% Cotton, 2% Elastane, 280g 100% Recycled Polyester 210g

 Zip off holster pockets for added versatility
 High rise back waistband ensures protection in all working positions
 Incredibly durable and hardwearing

REG: 31"(79CM) ADJUSTABLE TO 33"(84CM)			
INCH	СМ	EU	FR
28 - 48	72 - 124	44 - 64	36 - 60



29 PET BOTTLES ARE RECYCLED TO MAKE THESE TROUSERS



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WX3 new inherent flame resistant products offer exceptional wear resistance, functionality, comfort and style.

Made from Portwest's premium inherent flame-resistant Modaflame fabrics which guarantee maximum protection when working in the most challenging of environments. High performance stretch fabrics are used at key movement areas giving greater ease of movement and flexibility when working.

FR704 80

FR602 78

FR402 79

MADE WITH

MODA FLAME



76





FLAME RESISTANT COVERALL





CF HS UP

FR503

EN 1149 -5

EN 13034 TYPE 6

CM²(HAF=75.8%)

WX3 FR COVERALL

EN ISO 11612 A1+A2, B2,C1,F1

EN ISO 11611 CLASS 1 A1+A2

IEC 61482-2 IEC 61482-1-2 APC 1

· Inherent flame resistant qualities will not diminish with washing

ASTM F1959/F1959M-12 ATPV=8.4CAL/

IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM²

- Protection against radiant, convective and contact heat
- · Multiple utility pockets providing ample storage
- · Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
- · Heat applied segmented reflective tape for added visibility
- Back vent for breathability and comfort
- Modaflame: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 280g 60% Modacrylic, 36% Cotton, 3% Elastane, 1% Carbon Fibre 280g
- Black S-3XL Reg: 31" or 79cm adjustable to Tall 33" or 84cm



PREMIUM **INHERENT FABRIC BLENDS**

BACK







BACK VENT FOR BREATHABILITY AND COMFORT

ONEV

PRE-BENT SLEEVES



(Joka)

TWO TIER KNEE PAD POCKETS

ADJUSTABLE

LEG LENGTH



PREMIUM INHERENT FLAME PROTECTION



BACK

MODA FLAME



FLAME RESISTANT TROUSER

NEW

FR402 24 UPĔ 8

WX3 FR SERVICE TROUSER EN ISO 11612 A1+A2, B2,C1,F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/ CM² HS IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] ASTM F1959/F1959M-12 ATPV=8.4CAL/

- CM²(HAF=75.8%) · Inherent flame resistant qualities will not
- diminish with washing Protection against radiant, convective and
- contact heat
- · Multiple utility pockets providing ample storage
- · Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
- 100% metal free
- · Heat applied segmented reflective tape for added visibility

Modaflame: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 280g 60% Modacrylic, 36% Cotton, 3%

Elastane, 1% Carbon Fibre 280g Black

REG: 31"(79CM) ADJUSTABLE TO 33"(84CM)				
INCH	СМ	EU	FR	
30-46	76-116	46-62	38-58	

TW0 TIER KNEE PAD POCKETS

PRE-BENT **KNEES**

ELIM 6.4

Cal/Cm²

280a

INNOVATIVE STRETCH PANELLING IN KEY MOVEMENT AREAS



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 F1959/

BLACK

ADJUSTABLE LEG LENGTH







BACK

CAT



HOOK AND LOOP ADJUSTABLE CUFFS

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034

BLACK

DROPPED BACK HEM

COMBINING INNOVATION AND TOTAL SAFETY

18

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HS

UPÊ

8

heat

storage

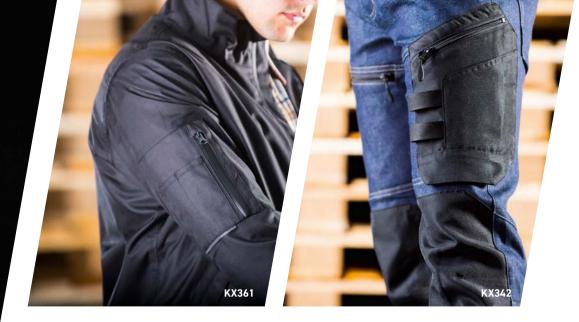
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ACTIVE **STREET** WORKWEAR

Portwest KX3[™] is a superior line of trend-led apparel combining quality construction to the highest standards and technical fabrics.

Key characteristics within this collection include abrasion resistance, moisture management and stretch fabrics for sustained agility and effortless movement. All KX3 garments have been designed to fully complement each other to allow a personal layering system to be built. A perfect solution for modern workwear.



Portwest's cutting edge Kingsmill[™] Polyester Stretch is a four-way stretch fabric made from 93% polyester, 7% elastane. This blend provides ease of movement and effortless comfort in active use. The fabric delivers technical superiority with high breathability, moisture wicking and fast drying properties. A UPF rating of 40+ will block 98% of the UV rays.



Portwest's innovative two way Kingsmill™ Polycotton Stretch fabric is constructed from 65% polyester, 35% cotton. This premium workwear fabric offers excellent abrasion and tear resistant properties whilst the mechanical stretch function ensures full ease of movement for the wearer. A UPF rating of 40+ on this fabric blocks 98% of the UV rays.



.....

Kingsmill[™] Cotton Stretch is a premium cotton stretch fabric. This twill weave blend of 98% cotton and 2% elastane provides the ultimate in comfort and flexibility. The high cotton content gives an ultra soft handle, and the added elastane delivers ease of movement. This fabric has a UPF rating of 40+ to block 98% of UV rays.



ACTIVE STREET WORKWEAR



KX360 86 **KX3 PARKA JACKET**



KX361 877 **KX3 BOMBER JACKET**



KX362 **KX3 HOODED SOFTSHELL (3L)**



KX363 **KX3 SOFTSHELL GILET (3L)**



T832 90-**KX3 HYBRID BAFFLE JACKET**



KX371 91 **KX3 BORG FLEECE**



T831 92 **KX3 TECHNICAL FLEECE**



T830 93 **KX3 PERFORMANCE FLEECE**



KX370 🌆 💁 **KX3 CHECK WORK SHIRT**

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T820 102



KX342 557 KX3 HOLSTER DENIM TROUSER



KX344 1017 KX3 3/4 HOLSTER SHORTS



KX3 CARGO TROUSER



T802Image: Second s



KX340 1027 KX3 RIPSTOP SHORTS



KX343 987 KX3 HOLSTER JOGGER



T803997KX3 FLEXI TROUSER





12

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GROWN ON HOOD Is stylish and practical



CURVED BACK HEM REFLECTIVE TRIM



 Extremely water resistant fabric finish, water beads away from fabric surface
 Quilt lined for thermal insulation

- Internal pockets for safe storage
- Inner storm cuffs with adjustable touch tape for a secure fit
- Adjustable waist for a perfect fit
 Drawcord adjustable hem

100% Polyester TPU, 175g 100% Polyester, 190T Taffeta, 52g Body: 100% Polyester, 140g Sleeves: 100% Polyester, 60g

UNCOMPROMISING INSULATED PROTECTION

HIGH PERFORMANCE WATERPROOF BROTECTION GREY MARL

CHIN GUARD

TEXPEL SPLASH INSULATEX

BLACK





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SPLASH

88

 \overleftrightarrow

BLACK





KX3 SOFTSHELL GILET (3L) WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M²/24HR

 Extremely water resistant fabric finish, water beads away from fabric surface
 Ripstop fabric to ensure durability and resistance to tearing and ripping

- Multiple utility pockets providing ample storage
- · Handwarmer pockets
- · Reflective piping for increased visibility
- · Drawcord adjustable hem

 22% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 310g
 Black S-3XL



SUPPLE FABRIC ENHANCES COMFORT AND IMPROVES MOBILITY

MULTIPLE STORAGE POCKETS

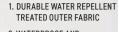
> REFLECTIVE PIPING

CHIN GUARD

D-RING



DRAWCORD ADJUSTABLE HEM



52

2. WATERPROOF AND BREATHABLE MEMBRANE

NEW

3. BREATHABLE INNER FABRIC LINING

BACK

TEXPEL



HYBRID BAFFLE JACKET



INSULATED WITH INSULATEX LINING

Constructed using hollow fibre technology, Insulatex[™] provides a lighter and warmer thermal lining. The unique fabric technology locks in the body's warmth to create a thermal barrier whilst the high-performance fine knit offers superior lightweight comfort to the wearer without adding bulk.

T832

24

KX3 HYBRID BAFFLE JACKET

- Body-mapped design helps balance insulation and increase freedom of movement
- Knitted fabric with brushed backing
 Internal pocket for safe storage
- Elastic bound hem and cuffs for comfort and warmth
- Reinforced panels in high wear areas for maximum durability
- Interchangeable zip pullers in blue, red and lime green are supplied for easy integration of corporate colours

100% Nylon, 60g 100% Polyester Weft Knit with Brushed Back, 310g

Insulatex Lining, 120g

BODY MAPPED DESIGN FOR INCREASED FREEDOM OF MOVEMENT





GREY MARL





INTERCHANGEABLE ZIP PULLERS







DURABLE WATER RESISTANT OVERLAY IDEAL FOR OVERBRANDING

91

5.7



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T831 KX3 TECHNICAL FLEECE

24

2

- Moisture wicking fabric helping to keep the body cool and dry
- · Dynamic inner contrasting fabric
- · Contemporary design with clean cut lines
- · Kangaroo pocket for ample storage
- · Front zip opening for easy access
- Interchangeable zip pullers in blue, red and lime green are supplied for easy integration of corporate colours

80% Polyester, 20% Rayon, 330g

LOW PROFILE SEAMS AND GARMENT CONSTRUCTION FOR REDUCED FRICTION



GREY





BACK

INTERCHANGEABLE ZIP PULLERS

BLACK

92



T830 KX3 PERFORMANCE FLEECE

- · Knitted fabric with brushed backing · Reinforced panels in high wear areas for maximum durability
- · Internal pockets for safe storage
- · Dropped back hem for better coverage
- · Front zip opening for easy access
- · Interchangeable zip pullers in blue, red and lime green are supplied for easy integration of corporate colours

100% Polyester Weft Knit with



24

Brushed Back, 310g 94% Polyester, 6% Elastane 300g Grey Marl S-3XL, Olive Green S-3XL, Persian Blue S-3XL, Platinum Grey S-3XL

COMPLEMENTARY PRODUCTS FOR AN EASY LAYERING SYSTEM

INTERNAL POCKETS









CHIN GUARD



PERSIAN BLUE

PLATINUM GREY

OLIVE GREEN

GREY MARL





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BROWN CHECK

KX370 KX3 CHI Made from

KX3 CHECK WORK SHIRT

- Made from 100% cotton fabric for added comfort and breathability
 Reinforced panels in high wear areas for maximum durability
- Reinforced panels in high wear areas for
 2 pockets for secure storage
- Pen pocket
- Button front closure
- $\cdot\,$ Radio loops for easy clipping of a radio

100% Cotton, 165g 55% Polyester, 35% Cotton 190g Brown Check S-3XL

SUPERIOR BRUSHED COTTON FABRIC









KX342 **KX3 HOLSTER DENIM TROUSER** EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH \$156)

- · 2-way twill stretch fabric for ease of movement and added comfort
- · Durable 600D polyester fabric construction · 11 pockets for ample storage
- · Double rule pocket
- · Zip off holster pockets for added versatility
- Slim fit design for exceptional comfort

98% Cotton 2% Elastane, 420g 100% Polyester 600D Fabric 210g Indigo

INCH	СМ	EU	FR
28 - 48	72 - 124	44 - 64	36 - 60

DURABLE OXFORD POLYESTER AT ABRASION RISK AREAS



ZIP OFF HOLSTER POCKETS FOR ADDED VERSATILITY

420g

KNEE PAD POCKETS





SLIM

HIGH RISE BACK WAISTBAND



TWIN-STITCHED

SEAMS

230g

T802 KX3 RIPSTOP TROUSER

EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- · Stretch ripstop provides superior comfort and increased freedom of movement Contemporary design with an ergonomic cut
- · 14 pockets for ample storage
- · Rule pocket

24

· Triple-stitched seams for extra durability · Crotch gusset to reduce stress and prevent seam failure

Kingsmill Poly-cotton Stretch: 65% Polyester, 35% Cotton Ripstop Weft Stretch, 230g Black, Navy, Sand

REG: 31" (79CM) ADJUSTABLE TO 33" (84CM)			
INCH	СМ	EU	FR
28 - 48	72 - 124	44 - 64	36 - 60

STRETCH RIPSTOP PROVIDES SUPERIOR COMFORT

TW0 TIER KNEE PAD POCKETS



KINGSMILL POLY-COTTON STRETCH







BLACK

ZIPPED SIDE THIGH POCKET

PRE-BENT KNEES



98



SLIM FIT

270g

KX3 FLEXI TROUSER

- 4-way stretch fabric for ease of movement and added comfort
 Double-layer reinforced knee protection for
- extra strength and durability
- 5 pockets for ample storage
- · Easy access cargo pockets
- Fully ribbed waistband with drawstring ensures a universal fit
- Crotch gusset to reduce stress and prevent seam failure

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g





MULTI-WAY STRETCH FABRICS ALLOW FOR IMPROVED FREEDOM OF MOVEMENT

METAL GREY





99

527



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POLO SHIRT AND SHORTS



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T820 KX3 POLO SHIRT

- · Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Anti-microbial finish helps keep your body feel fresh and dry
- · Contemporary design with clean cut lines
- · Ideal for corporate wear and custom finishes
- · Loop at placket ideal for attaching glasses/ pens
- · Reflective trim for increased visibility and safety

100% Polyester with Silver Ion Treatment, 150g Black S-3XL



STAY FRESHER FOR LONGER **UNIQUE ANTI-BACTERIAL SILVER ION TREATMENT**



KX340

seam failure

· Rule pocket

INCH

30 - 42

KX3 RIPSTOP SHORTS · Stretch ripstop provides superior comfort and increased freedom of movement · Crotch gusset to reduce stress and prevent

11 pockets for ample storage

Stretch, 230g Black, Dark Navy

СМ

76 - 108

EU

46 - 58

· Triple-stitched seams for extra durability High rise back waistband ensures protection in all working positions Kingsmill Poly-cotton Stretch: 65% Polyester, 35% Cotton Ripstop Weft BLACK





FR

38 - 54

BLACK



ARGES

1524

Ø

A335 725

T820 102

KX344 101





PERFORMANCE Workwear



Portwest PW3[™] contemporary workwear blends sports and lifestyle trends with function, a modern fit and improved comfort. Utilising

premium fabrics, products are engineered for flexibility across a diverse range of industry and trade end uses and offer exceptional value.



HiVisTex[™] Pro retroreflective tape offers excellent freedom of movement due to its segmented construction. Lightweight and flexible this high performance heat applied tape has thousands of glass beads per centimetre squared which work like thousands of tiny mirrors reflecting light back towards its source.



Kingsmill[™] Polycotton innovative stretch fabric is constructed from 65% polyester, 33% cotton and 2% elastane. This premium workwear fabric offers excellent abrasion and tear-resistant properties whilst the stretch function ensures full ease of movement for the wearer. A UPF rating of 40+ on this fabric blocks 98% of the UV rays.



Portwest Extreme™ is a premium high performance rainwear fabric constructed from 100% Polyester, 300D Stretch Oxford 200g and offers superior comfort, function and endurance in all weather conditions. Waterproof, breathable and windproof to the highest standards, this fabric far exceeds the requirements of EN 343 Class 4:4.



TexpelTM SOS, Splash, Oil and Stain is a premium fabric finish which repels oil and liquids, causing them to bead up and roll off the fabric surface. The finish also helps release stains in the washing process, keeping garments looking cleaner for longer.



Ezee Zip™ is a highly innovative zip technology available exclusively from Portwest. It brings to the market the first major innovation in zip fastening technology for a century. Ideal for left or right handed users, Ezee Zip is easy to work and securely fasten. Constructed using the highest quality components and engineering, Ezee Zip guarantees no more fraying or broken zips.



RAINWEAR

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PW367 PW3 HI-VIS 5-IN-1 JACKET



PW381 PW3 HI-VIS WOMEN'S SOFTSHELL



PW365

119 T402 PW3 HI-VIS SOFTSHELL JACKET



115 PW369 PW3 HI-VIS 3-IN-1 JACKET JACKET



NEW

117 PW386 PW3 HI-VIS WOMEN'S RAIN TROUSER



117 PW382 PW3 HI-VIS WINTER PARKA PW3 HI-VIS WOMEN'S WINTER JACKET



PW3 HI-VIS EXTREME TROUSER



108 PW360 PW3 HI-VIS EXTREME RAIN JACKET



PW351 PW3 HI-VIS WINTER TROUSER

100

T400 PW3 HI-VIS WINTER JACKET



PW3 HI-VIS WINTER COVERALL

WORKWEAR



122 PW302 PW3 HI-VIS 3-IN-1 PILOT JACKET



128 PW306 **PW3 HI-VIS STRETCH** HOLSTER TROUSER



NEW

130

124

T500 PW3 HI-VIS BAFFLE JACKET PW3 HI-VIS WORK JACKET

61

150



131 PW385 PW3 HI-VIS WOMEN'S STRETCH WORK TROUSER



PW3 HI-VIS REVERSIBLE



PW343 **PW3 HI-VIS HOLSTER** SHORTS



PW348 135 PW3 HI-VIS SHORTS



134 PW3 HI-VIS BIB & BRACE

CORPORATE CASUALS



PW379 PW3 HI-VIS CREW NECK SWEATSHIRT



PW3 HI-VIS SWEATSHIRT

PW3 HI-VIS LIGHTWEIGHT

STRETCH TROUSER

PW303



T184 PW3 HI-VIS POLO SHIRT L/S

s/s



T180 T185 PW3 HI-VIS POLO SHIRT PW3 HI-VIS T-SHIRT L/S





T181 PW3 HI-VIS T-SHIRT S/S





T501 PW3 HI-VIS HOLSTER WORK TROUSER



PW340 PW3 HI-VIS WORK TROUSER

135





CORPORATE CASUALS NEW ACCURATE A

127 PW310 PW3 HI-VIS V-NECK T-SHIRT



125 PW309 PW3 HI-VIS EXECUTIVE VEST



CLASS 1

ONEW

136

NEW

148

PW345

PW3 HOLSTER

WORK SHORTS

PW308 PW3 CLASS 1 TOOL VEST



NEW

PW3 HI-VIS CLASS 1 T-SHIRT



PW307 PW3 HI-VIS CLASS 1 HOLSTER TROUSER

RAINWEAR



138 PW362 PW3 WINTER JACKET





PW3 RAIN TROUSER

NEW

149



WORKWEAR



141 T603 PW3 WORK JACKET



146 PW347 PW3 COTTON WORK HOLSTER TROUSER



PW305 PW3 STRETCH HOLSTER WORK TROUSER

PW346

PW3 WORK BIB & BRACE





143 T602 PW3 WOMEN'S STRETCH WORK TROUSER TROUSER



145 PW3 WORK TROUSER

ENGINEERED FOR ACTIVE FIT

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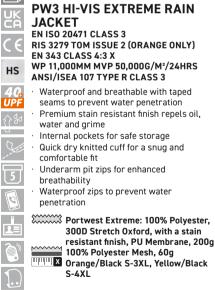


Portwest Extreme™ is a premium high performance rainwear fabric constructed from 100% Polyester, 300D Stretch Oxford 200g and offers superior comfort, function and endurance in all weather conditions. Waterproof, breathable and windproof to the highest standards, this fabric far exceeds the requirements of EN 343 Class 4:4.

PW360

12

RTWEST TREMI







LINED

ORANGE/BLACK

BACK



24

HS

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NEW

527

DETACHABLE ID POCKET

EN 342

PW369 **PW3 HI-VIS WINTER PARKA** JACKET EN ISO 20471 CLASS 3 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** EN 343 CLASS 3:1 X WP 15,000MM HS EN 342 0.356 (M².K/W), 2, X Waterproof with taped seams preventing water penetration Extremely water resistant fabric finish, water beads away from fabric surface Internal zipped pocket provides safe and secure storage Detachable quilt lined hood with optional faux fur trim to suit all weather conditions Quick dry knitted cuff for a snug and comfortable fit Underarm pit zips for enhanced breathability XXXXXXX 300D Industry: 100% Polyester, 100% Polyester, 60g 100% Polyester, 200g Orange/Black S-4XL, Yellow/Black

INSULATEX HEAT REFLECTIVE LINING

ORANGE/BLACK

300

190g

S-4XĽ

300D Oxford Weave with a Stain Resistant finish, Double PU Coated,

INSULATEX

BACK

TEXPEL

DRAWCORD ADJUSTABLE WAIST

YELLOW/BLACK

QUICK DRY KNITTED CUFF

HEAVYWEIGHT QUILT LINING FOR MAXIMUM THERMAL INSULATION



112

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YELLOW/BLACK

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EN 342

PADDED







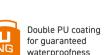


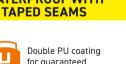














WATERPROOF WITH





300D Industry: 100% Polyester, 300D Oxford Weave with a Stain

· Curved back hem for added protection · Contrast fleece collar for protection against dirt

Resistant finish, Double PU Coated,

Inner Garment: 100% Polyester

· Extremely water resistant fabric finish, water beads away from fabric surface

- 7 pockets for ample storage

- · Hook and loop cuffs for a secure fit

190g

S-4XL

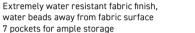
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HS

7

100% Polyester, 60g

Sweatshirt 300g Yellow/Black S-4XL, Orange/Black





**PW3 HI-VIS 3-IN-1 JACKET** EN ISO 20471 CLASS 3 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** 

### PW365

**3-IN-1 JACKET** 

DETACHABLE ID POCKET

1

OUTER JACKET

WITH INNER JACKET

DRAWCORD ADJUSTABLE HEM

OUTER JACKET

2

YELLOW/BLACK

INNER JACKET

3

ORANGE/BLACK

BACK

TWIN-STITCHED SEAMS

LINED

3-IN-1

ONE

DETACHABLE HOOD











EARPHONE LOOP HOLDER ROUTES YOUR EARPHONES FROM INSIDE YOUR JACKET TO YOUR EARS

DETACHABLE ID POCKET



XS

TEXPEL

EZE= ZIP



### WOMEN'S SOFTSHELL JACKET

MADE FOR

WOMEN

DETACHABLE ID

POCKET

PW381 PW3 HI-VIS WOMEN'S SOFTSHELL EN ISO 20471 CLASS 2 WATERPROOF/BREATHABILITY -WP 8.000MM, MVP 3.000G/M<sup>+</sup>/24HR

- Made of durable breathable, windproof and water resistant fabric
- · Extremely water resistant fabric finish,
- water beads away from fabric surface Heat applied segmented reflective tape for
- added visibility
- · Side zip pockets
- Concealed mobile phone pocket
- Ezee zip allows for quick and easy fastening even when wearing work gloves
- 94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 310g

BREATHABLE, WINDPROOF AND WATER RESISTANT

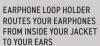


CURVED BACK HEM

DRAWCORD ADJUSTABLE HEM

EZE ZIP





NEW





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#### **INSULATED WITH INSULATEX LINING**

Constructed using hollow fibre technology, Insulatex<sup>™</sup> provides a lighter and warmer thermal lining. The unique fabric technology locks in the body's warmth to create a thermal barrier whilst the high-performance fine knit offers superior lightweight comfort to the wearer without adding bulk.



PW371

18

UPF

#### **PW3 HI-VIS BAFFLE JACKET** EN ISO 20471 CLASS 2: SIZE S EN ISO 20471 CLASS 3: SIZE M UPWARDS **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**

- · Premium stain resistant finish repels oil, water and grime
- · Inner soft Insulatex lining offering warmth and comfort
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Side zip pockets
- · Concealed phone pocket

· Ezee zip allows for quick and easy fastening even when wearing work gloves

### 100% Polyester Ripstop, 85g 94% Polyester, 6% Elastane 160g

laminated to 100% Polyester Micro Polar Fleece 150g 310g 100% Polyamide, 190g Insulatex Lining, 170g Orange/Black S-5XL, Yellow/Black S-5XL

YELLOW/BLACK

BACK

12.5

ELASTIC BOUND HEM AND CUFFS



**BODY MAPPED DESIGN FOR INCREASED FREEDOM OF** MOVEMENT

ORANGE/BLACK





PADDED

# PW374

18

HS

#### **PW3 HI-VIS REVERSIBLE** BODYWARMER

EN ISO 20471 CLASS 2: SIZE L UPWARDS EN ISO 20471 CLASS 1: SIZES S-M **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** ANSI/ISEA 107 TYPE R CLASS 2: SIZE L UPWARDS

#### ANSI/ISEA 107 TYPE 0 CLASS 1: SIZES S-M

- Durable polyester/cotton fabric with Texpel stain resistant finish
- Heavyweight guilt lining for maximum thermal insulation
- 6 pockets for ample storage
- · Reversible garment for multi use
- · D-ring for keys or ID cards
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

#### Kingsmill: 65% Polyester, 35% Cotton, 245g

- 100% Polyester, 300g
- Orange/Black S-3XL, Yellow/Black S-3XĽ

### REVERSIBLE **GARMENT FOR MULTI USE**



PREMIUM STAIN RESISTANT FINISH **REPELS OIL, WATER** AND GRIME

YELLOW/BLACK





REVERSIBLE









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RIS

- 8 -

TEXPEL

EZE ZIP



T500

24

HS

#### **PW3 HI-VIS WORK JACKET** EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 1 (ORANGE ONLY) ANSI/ISEA 107 TYPE P CLASS 3

300q

- Durable polyester/cotton fabric with Texpel stain resistant finish
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · 4 pockets for ample storage
- Ezee zip allows for quick and easy fastening even when wearing work gloves
- · Twin-stitched seams for extra durability · Premium stain resistant finish repels oil, water and grime

#### Kingsmill: 65% Polyester, 35% Cotton, 300g

100% Polyester 600D Fabric 210g Orange/Black S-3XL, Orange/Navy S-3XL, Yellow/Black S-3XL, Yellow/ Navy S-3XL

### **ADVANCED STAIN, OIL AND SPLASH** REPELLENT **FINISH**









YELLOW/NAVY

ORANGE/NAVY





















### VEST

BACK

NEW

YELLOW/BLACK



#### PW309 PW3 HI-VIS EXECUTIVE VEST EN ISO 20471 CLASS 2

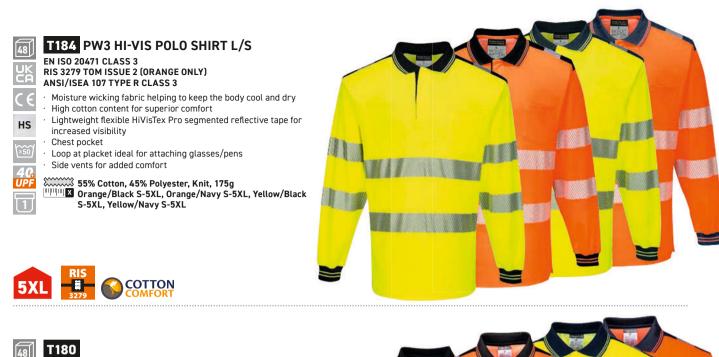
- · Lightweight and comfortable
- · Heat applied segmented reflective tape for added visibility
- · Front zip opening for easy access
- 7 pockets for ample storage
- Phone and pen holder pocket
- · Detachable ID pocket

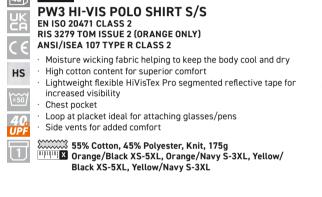
100% Polyester Warp Knit, 125g

### SEGMENTED REFLECTIVE TAPE ALLOWS FOR INCREASED VISIBILITY AND MOBILITY













Black/Yellow S-4XL, Black/Orange S-4XL

### **SEE PAGE 136 FOR ADDITIONAL CLASS 1 STYLES**







527



1

### T185 PW3 HI-VIS T-SHIRT L/S EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- ANSI/ISEA 107 TYPE R CLASS 3
- · Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Chest pocket
- · Crew neck
- · Side vents for added comfort

55% Cotton, 45% Polyester, Knit, 175g Orange/Black S-5XL, Orange/Navy S-5XL, Yellow/ Black S-5XL, Yellow/Navy S-5XL





P

HS

UPI

1

### PW310 PW3 HI-VIS V-NECK T-SHIRT

#### EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 2

- · Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Underarm cool flow mesh panel for ventilation
- · Heat applied segmented reflective tape for added visibility
- · Modern styling with V-neck
- · Certified to EN ISO 20471 after 50x washes

55% Cotton, 45% Polyester, Knit, 175g Orange/Black S-4XL, Yellow/Black S-4XL





NEW



 $\hat{\Sigma}$ 



PS55 807

PW379



PW306



 $\hat{\Sigma}$ 





## **HOLSTER TROUSER**

HIGH RISE BACK WAISTBAND





52

### 300g

EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 1 (ORANGE ONLY) EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156) ANSI/ISEA 107 SUPPLEMENTAL CLASS E

- · Durable polyester/cotton fabric with Texpel stain resistant finish
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased
- · 10 pockets for ample storage
- · Double rule pocket
- Triple-stitched seams for extra durability
- · Reinforced panels in high wear areas for maximum durability
- Kingsmill: 65% Polyester, 35%
- Cotton, 300g 100% Polyester Oxford 600D 210g Orange/Black, Orange/Navy,
- Yellow/Black, Yellow/Navy

| REG: 31"(79CM    | 31"(79CM) ADJUSTABLE TO 33"(84CM) |         |         |
|------------------|-----------------------------------|---------|---------|
| INCH             | СМ                                | EU      | FR      |
| 28 - 48          | 72 - 124                          | 44 - 64 | 36 - 60 |
| SHORT: 29"(74CM) |                                   |         |         |
| 28 - 42          | 72 - 108                          | 44 - 58 | 36 - 54 |





YELLOW/NAVY

ORANGE/NAVY ORANGE/BLACK











ADJUSTABLE LEG LENGTH



### PW344

18

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#### **PW3 HI-VIS BIB & BRACE** EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 1 (ORANGE ONLY)

EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156) · Durable polyester/cotton fabric with Texpel

- HS stain resistant finish Lightweight flexible HiVisTex Pro ×50 segmented reflective tape for increased
  - visibility 10 pockets for ample storage
  - Hammer loop for secure storage of work tools
  - Adjustable hem to accommodate all leg lengths
  - Reinforced panels in high wear areas for maximum durability

Kingsmill: 65% Polyester, 35% Cotton, 300g 100% Polyester 600D Fabric 210g Orange/Black S-3XL,

Yellow/Black S-3XL Regular leg 31/79cm adjustable to Tall 33/84cm



ORANGE/BLACK

**FREE KNEE PADS** WITH THIS STYLE

TEXPEL

KINGSMILL

POLY-COTTON

### **BUILT TO** PERFORM

TOP-LOADING KNEE PAD POCKETS

300g



YELLOW/BLACK

RIS

-8-



### **SHORTS**



|                                  | INCH    | СМ       | EU      | FR      |
|----------------------------------|---------|----------|---------|---------|
| 30 - 42 76 - 108 46 - 58 38 - 54 | 30 - 42 | 76 - 108 | 46 - 58 | 38 - 54 |

KINGSMILL POLY-COTTON

24





- EN ISU 20471 CLASS 1
   Durable polyester/cotton fabric with Texpel stain resistant finish
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
  - 5 pockets for ample storage
  - Easy access cargo pockets
  - Reinforced panels in high wear areas for maximum durability
    - Premium stain resistant finish repels oil, water and grime

#### Kingsmill: 65% Polyester, 35% Cotton, 300g 100% Polyester 600D Fabric 210g

Orange/Black, Yellow/Black

| INCH    | СМ       | EU      | FR      |
|---------|----------|---------|---------|
| 30 - 42 | 76 - 108 | 46 - 58 | 38 - 54 |













**STORAGE** 





### CLASS 1 HOLSTER TROUSER

### PW307

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#### PW3 HI-VIS CLASS 1 HOLSTER TROUSER EN ISO 20471 CLASS 1

EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- HS · Hard wearing durable twill fabric with excellent dye retention
  - Zip off holster pockets for added versatility
     12 Pockets for ample storage
  - Triple-stitched seams for extra durability
  - Concealed drop down ID holder on holster pocket
  - Side elastic waist for ultimate wearer comfort

#### Kingsmill: 65% Polyester, 35% Cotton, 300g

100% Polyester Oxford 600D 210g

| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |
|----------------------------------------|----------|---------|---------|--|
| INCH                                   | СМ       | EU      | FR      |  |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |



ORANGE/BLACK



KINGSMILL

TOP-LOADING KNEE PAD POCKETS

300g

REINFORCED PANELS



| 100  | 10000  | 111111      |
|------|--------|-------------|
|      |        | <u>UCON</u> |
| Main | ninini | ninna.      |
|      |        |             |

ADJUSTABLE LEG LENGTH

HIGH RISE BACK WAISTBAND



 $\sum$ 







Insulatex heat reflective lining reflects heat back into the body ensuring maximum warmth and o

| iximum warmtn and comfort                                                                                                                                                                                                                                                                                                                                                                                                                |        |     |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|----------|
| PW362<br>PW3 WINTER JACKET<br>EN 343 CLASS 3:1 X<br>WP 20,000MM                                                                                                                                                                                                                                                                                                                                                                          | 1 A    |     | -        |
| <ul> <li>Extremely water resistant fabric finish, water beads away from fabric surface</li> <li>Insulatex heat reflective lining reflects heat back into the body ensuring maximum warmth and comfort</li> <li>Hook and loop cuffs for a secure fit</li> <li>Quick dry knitted cuff for a snug and comfortable fit</li> <li>Reflective trim for increased visibility and safety</li> <li>Curved back hem for added protection</li> </ul> |        |     |          |
| <ul> <li>300D Industry: 100% Polyester,<br/>300D Oxford Weave with a Stain<br/>Resistant fnish, Double PU Coated,<br/>190g</li> <li>100% Polyester, 60g</li> <li>100% Polyester, 170g</li> <li>Black S-3XL</li> </ul>                                                                                                                                                                                                                    | A      |     |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                          | A Deal |     |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                          | BL     | ACK | DRAWCORD |



EZE ZIP

**EXTREME FOUL WEATHER** PROTECTION

ADJUSTABLE HEM

INTERNAL

PADDED

CONCEALED

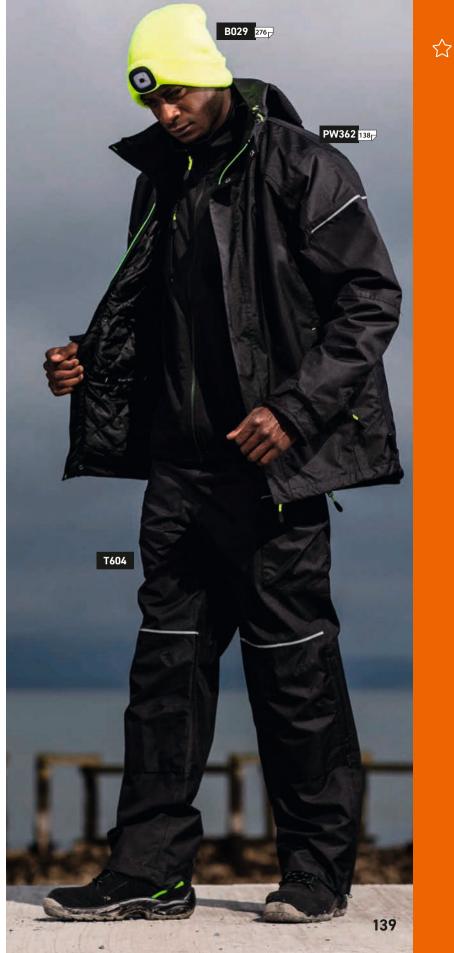
DETACHABLE HOOD



TEXPEL















#### **PW3 FLEX SHELL**

Portwest PW3 Flex Shell fabric is the latest evolution of soft-shell fabrics to deliver maximum performance and protection from the weather. This highly durable 3-layer laminate fabric is water repellent and windproof with a stretch finish. Incredible suppleness offers outstanding user comfort. With low weight to high warmth ratios, the soft mesh inner face feels dry and comfortable next to the skin during extended periods of wear.

#### T620

24

#### PW3 FLEX SHELL JACKET WATERPROOF/BREATHABILITY -WP 5,000MM, MVP 3,000G/M<sup>2</sup>/24HR

- Made of durable breathable, windproof and water resistant fabric
- Side zip pockets
- · Quick dry elastic bound cuff
- Ezee zip allows for quick and easy fastening even when wearing work gloves
- Reflective trim for increased visibility and safety
- Drawcord adjustable hem

100% Polyester laminated to 100% Polyester Mesh, 185g



BLACK

### ADVANCED TRIPLE DRY MEMBRANE TECHNOLOGY (3L)





T603
 PW3 WORK JACKET
 Durable polycotton fabric for high performance and maximum wearer comfort
 Ezee zip allows for quick and easy fastening even when wearing work gloves
 4 pockets for ample storage
 Hook and loop cuffs for a secure fit
 Reflective trim for increased visibility and safety
 Contrast colour stitching for added style
 Kingsmill: 65% Polyester, 35% Cotton, 300g
 Black/Zoom Grey S-3XL, Navy/Black S-3XL

DURABLE POLYCOTTON FABRIC FOR HIGH PERFORMANCE AND MAXIMUM WEARER COMFORT



BLACK/ZOOM GREY





NAVY/BLACK

BACK

5.7





143

5.7

## **HOLSTER TROUSER**

HIGH RISE BACK WAISTBAND

### T602 18 **PW3 HOLSTER WORK** TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH \$156) · Durable polycotton fabric for high performance and maximum wearer comfort UPF Reflective piping for increased visibility · 12 Pockets for ample storage · Double rule pocket Gripper elasticated inner waistline helping keep upper body garments in place Concealed drop down ID holder on holster 100 pocket Kingsmill: 65% Polyester, 35% Cotton, 300g 100% Polyester Oxford 600D 210g Black, Navy/Black, Zoom Grey/Black

| REG: 31"(79CM    | EG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |         |         |
|------------------|---------------------------------------|---------|---------|
| INCH             | СМ                                    | EU      | FR      |
| 28 - 48          | 72 - 124                              | 44 - 64 | 36 - 60 |
| SHORT: 29"(74CM) |                                       |         |         |
| 28 - 42          | 72 - 108                              | 44 - 58 | 36 - 54 |





NAVY/BLACK

ZOOM GREY/ BLACK







ADJUSTABLE LEG LENGTH

## 300g

TOP-LOADING KNEE PAD POCKETS

REINFORCED PANELS

BLACK



## T601

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UP

## **PW3 WORK TROUSER** EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH \$156)

300g

0>

- · Durable polycotton fabric for high performance and maximum wearer comfort
- Reflective piping for increased visibility 10 pockets for ample storage
- · Double rule pocket
- · Gripper elasticated inner waistline helping keep upper body garments in place · Triple-stitched seams for extra durability
- Kingsmill: 65% Polyester, 35% Cotton, 300g 100% Polyester 600D Fabric 210g Black, Navy/Black, Zoom Grey/Black

| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |
|----------------------------------------|----------|---------|---------|
| INCH                                   | СМ       | EU      | FR      |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |
| SHORT: 29"(74CM)                       |          |         |         |
| 28 - 42                                | 72 - 108 | 44 - 58 | 36 - 54 |



NAVY/BLACK











ADJUSTABLE LEG LENGTH



## COTTON HOLSTER TROUSER

HIGH RISE BACK WAISTBAND



| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |
|----------------------------------------|----------|---------|---------|
| INCH                                   | СМ       | EU      | FR      |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |

## 100% COTTON FOR COMFORT AND DURABILITY

TOP-LOADING KNEE PAD POCKETS

350g

REINFORCED PANELS









| T181 127 | 7 |
|----------|---|
|----------|---|



A790 735

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POLY-COTTON

148

TRIPLE-STITCHED SEAMS



BLACK









300g

BLACK

## PW345

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## **PW3 HOLSTER WORK SHORTS**

- · Durable polycotton fabric for high performance and maximum wearer comfort
- Zip off holster pockets for added versatility • 9 pockets for ample storage
- Hammer loop for secure storage of work tools
- · Triple-stitched seams for extra durability · Concealed drop down ID holder on holster
- pocket
- Kingsmill: 65% Polyester, 35% Cotton, 300g
- 100% Polyester Oxford 600D 210g Black 28-44 Zoom Grey/Black 30-42

| INCH    | СМ       | EU      | FR      |
|---------|----------|---------|---------|
| 28 - 44 | 72 - 108 | 44 - 60 | 36 - 56 |



T181 127



PW345





## VERSATILE CORPORATE

PW2<sup>™</sup> is the latest evolution of workwear by Portwest. This versatile collection has been specifically designed to allow for overbranding and can be easily customised.

Corporate logos can be applied to the large panels in key visibility areas enhancing brand identity. The two tone design comes in a variety of colourways and the slim-fitting styles can be mixed and matched to make head to toe uniforms. All products have been produced using metal-free plastic trims that are concealed to ensure garments are anti-scratch and comfortable to wear.



Kingsmill<sup>™</sup> 65% Polyester 35% Cotton fabric guarantees high performance and maximum comfort. The yarns are all ring spun with long staple combed cotton providing a smooth handle and excellent pilling resistance. The material is fully pre-shrunk and has superior dye retention.



Texpel<sup>™</sup> SOS, Splash, Oil and Stain is a premium fabric finish which repels oil and liquids, causing them to bead up and roll off the fabric surface. The finish also helps release stains in the washing process, keeping garments looking cleaner for longer.



Texpel<sup>™</sup> Splash is an extremely water resistant fabric finish which ensures water beads up and rolls off the fabric surface. This premium finish also repels dirt and helps prevent stains to keep your garment looking cleaner for longer.

## **VERSATILE CORPORATE WORKWEAR**



153 PW261 **PW2 HI-VIS WINTER JACKET** 



PW212 PW2 HI-VIS POLO SHIRT S/S

NEW

NEW



PW275 PW2 HI-VIS SOFTSHELL (2L)



**PW2 HI-VIS SERVICE TROUSER** 



PW271 158 PW2 SOFTSHELL JACKET (2L)





PW277 PW2 HI-VIS CREW NECK SWEATSHIRT NEW



PW2 HI-VIS HOLSTER TROUSER

NEW

159

NEW



155 PW244 **B**RANE S Read PW2 HI-VIS BIB and i and a AND BRACE



159 PW211 PW2 T-SHIRT S/S



PW260

**PW2 WINTER JACKET** 





PW243 PW2 BIB AND BRACE





RIS

**KINGSMILL** 

POLY-COTTON

TEXPEL

3279 POLY-COTTON

TEXPEL

RIS



## PW244

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CE

UPF

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## PW2 HI-VIS BIB AND BRACE EN ISO 20471 CLASS 2

245g

TRIPLE-STITCHED SEAMS

## RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- Durable polyester/cotton fabric with Texpel stain resistant finish
- Anti-scratch design with no exposed metal parts
- 7 pockets for ample storage
- · 100% metal free
- · Reflective tape for increased visibility
- · ID pocket can be visible or concealed

### Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 245g Orange/Black S-3XL, Yellow/Black S-3XL

## MIX STYLES FOR THE PERFECT UNIFORM









ADJUSTABLE LEG LENGTH



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24

×50

48



| 48         | PW213                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|
| UK<br>CA   | PW2 HI-VIS T-SHIRT S/S<br>EN ISO 20471 CLASS 2<br>RIS 3279 TOM ISSUE 2 (ORANGE ONLY)                                                |
| CE         | <ul> <li>Moisture wicking fabric helping to keep the body cool and dry</li> <li>High cotton content for superior comfort</li> </ul> |
| ×50        | Ribbed collar<br>Contrast colouring for added style                                                                                 |
| 40.<br>UPF | <ul> <li>Ideal for corporate wear and custom finishes</li> <li>Slim fit design for exceptional comfort</li> </ul>                   |

- · Ideal for corporate wear and custom finishes
- · Slim fit design for exceptional comfort

## 55% Cotton, 45% Polyester, 144g

Orange/Black S-4XL, Yellow/Black S-4XL





YELLOW/BLACK

ORANGE/BLACK

## 

PW213

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PW242

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PW275 153



NAVY/ROYAL

158

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## **POLO SHIRT AND T-SHIRT**



## **PW2 POLO SHIRT S/S**

- · Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Ideal for corporate wear and custom finishes
- · Contrast colouring for added style
- · Anti-scratch design with no exposed metal parts
- · Slim fit design for exceptional comfort

## 55% Cotton, 45% Polyester, 144g

Navy, Zoom Grey/Black



## **SUPER** LIGHTWEIGHT



## **PW211 PW2 T-SHIRT S/S**

- · Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Ideal for corporate wear and custom finishes
- · Contrast colouring for added style
- · Slim fit design for exceptional comfort
- · Lightweight and comfortable

55% Cotton, 45% Polyester, 144g Black/Zoom Grey S-3XL, Navy/Royal S-3XL

ROYAL/NAVY

NAVY/ROYAL

ONE

RED/BLACK

Sec. C



BLACK/ZOOM GREY



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## **SWEATSHIRT AND TROUSER**



## **PW2 CREW NECK SWEATSHIRT**

- · Knitted fabric with brushed backing · Ideal for corporate wear and custom finishes
- · Contemporary design with clean cut lines
- · Contrast colouring for added style
- · Ribbed hem for a comfortable fit
- · Slim fit design for exceptional comfort

2000 65% Polyester, 35% Cotton, 300g Black/Zoom Grey S-3XL, Navy/ Royal S-3XL

## **MIX AND MATCH** SEPARATE PRODUCTS **TO BUILD YOUR CORPORATE LOOK**



NAVY/ROYAL



ID pocket can be visible or concealed

Cotton, 245g Black/Red, Black/Zoom Grey, Navy/ Royal

| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |
|----------------------------------------|----------|---------|---------|
| INCH                                   | СМ       | EU      | FR      |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |

| ₩   | KINGSMILL |
|-----|-----------|
| POL | Y-COTTON  |

## NAVY/ROYAL

245q





## PW243

18

## **PW2 BIB AND BRACE**

- · Durable polycotton fabric for high
- performance and maximum wearer comfort Anti-scratch design with no exposed metal
- parts
- 7 pockets for ample storage
- · 100% metal free
- · Hammer loop for secure storage of work tools
- · ID pocket can be visible or concealed

## Kingsmill: 65% Polyester, 35%

Cotton, 245g Black/Red S-3XL, Black/Zoom Grey S-3XL, Navy/Royal S-3XL

## **ANTI-SCRATCH DESIGN - NO EXPOSED BUTTONS OR ZIPS**



BLACK/RED





245g

TRIPLE-STITCHED SEAMS

QUICK AND EASY SIDE ACCESS

ITA

DOUBLE RULE POCKET

ADJUSTABLE LEG LENGTH

# HIGH INDUSTRY LEADING HIGH VISIBILITY FABRICS

C469 198

T602 144

A790 735

This extensive range of high visibility clothing meets the stringent requirements in both design and construction, to ensure that it meets the latest international high visibility standards EN ISO 20471, ANSI/ISEA 107, and AS 4602.1.



Portwest Extreme<sup>™</sup> is a premium high performance rainwear fabric constructed from 100% Polyester, 300D Stretch Oxford 200g and offers superior comfort, function and endurance in all weather conditions. Waterproof, breathable and windproof to the highest standards, this fabric far exceeds the requirements of EN 343 Class 4:4.





Made with 300 Denier 100% Polyester yarn, this is a tough fabric for tough conditions. 300D 190g fabric has superb abrasion and tear resistance. The double coating of polyurethane (PU) on the inside makes the fabric durable and waterproof. And the outer has a water and stain repellent coating which helps keep the garment clean. 300D Oxford Weave is available with both a breathable (300D Breathable) and non-breathable (300D Industry) double polyurethane coating.



Sealtex<sup>™</sup> Ultra is a highly breathable, high technology PU coated fabric, on a flexible 100% polyester tricot knit, 185g. Sealtex Ultra meets high visibility standard EN ISO 20471. Waterproof, windproof and breathable, we guarantee this range will keep you warm and dry in adverse conditions. The welded seams keep rain and wind out and the durable, stretchy fabric can easily be wiped clean, allowing the garments to look good and last for longer.



Cotton Comfort fabric is manufactured from a 55% cotton, 45% polyester 175g fabric with cotton on the inside for comfort and polyester on the outside for maximum durability. The cotton/polyester mix ensures that the fabric is highly breathable and that a comfortable temperature is maintained at all times.



The Vest-Port<sup>™</sup> fabric is made from a durable 100% Polyester warp knitted fabric which is fully certified to the latest High Visibility standard. The fabric is lightweight, comfortable and highly breathable. It can be worn over layers to ensure total visibility without adding bulk.

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## HIGH VISIBILITY TESTED TO EXCEED STANDARDS

## Can you be sure your garment conforms to EN ISO 20471?

A certificate from a test house guarantees that the garment or fabric sent to the test house has attained a standard. It is not a guarantee that bulk production meets the standard.

However, in our factories, we test every roll of fabric and retroreflective tape with highly specialised equipment to guarantee that all production meets the EN ISO 20471 standard, not just a garment that was sent to the test house.

EN ISO 20471 states the retroreflectometer reading should not be below 330 (cd/lx.m<sup>2</sup>) however we insist on a reading of 400 (cd/lx.m<sup>2</sup>) plus.

## **Fabric Testing**

In our quality control laboratory, we use a Minolta Spectrophotometer to check every roll of fabric. This guarantees the fabric we use is fully compliant with the EN ISO 20471 standard.

## **REFRECTIVE** TAPE

Our brands include HiVisTex tape and HiVisTex Pro segmented tape. The spaces in HiVisTex Pro segmented tape allow for increased breathability and is much more flexible allowing stretch fabrics to move with the wearer.

Manufactured using premium glass bead technology that surpasses all standards in terms of manufacturing quality, washability, wear resistance and durability.

## Reflective properties that last 50 home washes

The minimum requirement for washability under EN ISO 20471 is 5 washes.

We know that many hi-vis tapes lose their reflective properties after 25 washes and some tapes last just the required 5 washes. With a Portwest high visibility garment, you can be certain our HiVisTex retroreflective tape will last through 50 washes ensuring ultimate visibility in low light conditions wash after wash\*.

\*Washing instructions on the garment label must be adhered to.

HiVisTex

## TESTED TO PERFORMIN EXTREME COLD EN 342 STANDARD AND THERMAL MANIKIN TESTING

We test our garments to ensure workers are protected in the extreme cold.

The principal test in EN 342:2017 uses a heated manikin. During the test, the manikin is heated to and maintained at a specified temperature. Thermal insulation is determined from the power required to maintain the manikin surface at this constant temperature. The resulting effective insulation value is used to classify the performance of the garment.

It can also be used to estimate the maximum duration of wear based on the activity level of the wearer, the temperature of the environment and the insulation value of the clothing. Clothing claiming to meet the requirements of EN 342 must be marked with the pictogram shown below.

W369 111

PW351





0.356 (M<sup>2</sup>.K/W) 2

-44°C

PROTECTS YOU AT TEMPERATURES AS LOW AS

For all garments tested to EN 342 see page 170

## THE MOST ADVANCED COMPLETE GARMENT TEST EN 343 PROTECTIVE CLOTHING, PROTECTION AGAINST RAIN

This European standard specifies requirements and test methods applicable to readymade garments, materials and seams of protective clothing against the influence of precipitation e.g. rain, snowflakes, fog and ground humidity.

## The standard provides 2 performance parameters and an optional test:

- Water penetration resistance (4 levels)
  - 1. Minimum level of rain protection
  - 2. Intermediate rain protection
  - 3. Very good rain protection
  - 4. Highest level of rain protection
- Breathability (4 levels)
  - 1. Not classed as breathable under EN 343
  - 2. Intermediate breathability
  - 3. Very good breathability
  - 4. Highest level of breathability
- Optional readymade garment rain tower test (R)

## READYMADE GARMENT RAIN TOWER TEST

## EN 14360 PROTECTIVE CLOTHING - TEST METHOD FOR READYMADE GARMENTS

## Impact from above with high energy droplets.

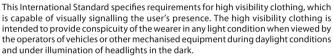
Garments are placed over data sensitive recording manikins and exposed to rainfall simulation of 450 litres/m<sup>2</sup>/h for a minimum of one hour.



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## EN ISO 20471



High Visibility clothing has a fluorescent surface, combined with reflective material that meets certification requirements in 3 different classes:



## **Class 3: Highest Level**

Highest level of protection - required for any persons working on or near motorways or dual-carriage ways or airports. Must incorporate a minimum of 0.80m2 of background material and 0.20m2 of retro-reflective materials. (4 metres of 5cm wide reflective tape)

### Class 2: Intermediate Level

Required for any persons working on or near A and B class roads, also for delivery drivers. Must incorporate a minimum of 0.50m2 of background material and 0.13m2 of retro-reflective material. (2.60 metres of 5cm wide reflective tape)



### Class 1: Minimum Level

Minimum level of protection required for any persons working on a private road or to be used in conjunction with a higher classed garment. Must incorporate a minimum of 0.14m2 of background material and 0.10m2 of retro-reflective material. (2 metres of 5cm wide reflective tape)



## EN ISO 20471 Class 3 Ensembles

There are two ways to attain EN ISO 20471 Class 3 at Portwest.Either choose an EN ISO 20471 product that is rated Class 3 on its own or choose two products that together are Class 3 certified.

The following are examples of Portwest Class 3 Certified Ensembles: TX70 + TX72 = EN ISO 20471 Class 3 Ensemble

S478 + TX71 = EN ISO 20471 Class 3 Ensemble T501 + T181 = EN ISO 20471 Class 3 Ensemble T501 + T180 = EN ISO 20471 Class 3 Ensemble





ANSI/ISEA 107 is the American National Standard for High Visibility Safety Apparel and Headwear. The industry standard developed by the American National Standards Institute provides a uniform, authoritative guide for the design, performance specifications and use of high visibility and reflective apparel including vests, jackets, bib/jumpsuit coveralls, pants and harnesses. Garments that meet this standard can be worn 24 hours a day to provide users with a high level of conspicuity through the use of combined fluorescent and retro-reflective materials.

## ANSI/ISEA 107 has 3 garment types indicated below:

ANSI/ISEA 107 TYPE O CLASS 1 for Off-Road Use ANSI/ISEA 107 TYPE R CLASS 2 for Roadway Use ANSI/ISEA 107 TYPE R CLASS 3 for Roadway Use ANSI/ISEA 107 TYPE P CLASS 2 for Public Safety

ANSI/ISEA 107 TYPE P CLASS 2 for Public Safety

## AS 4602.1



The AS 4602.1 Standard specifies the visual requirements for high visibility safety garments for occupational wear by people who may be exposed to the hazard of moving traffic, moving plant or equipment in high risk situations. The standard covers garments suitable for daytime wear, night-time wear where they will be seen by retroreflected light or for wear under both conditions but excludes garments for use by fire services.

## The garments specified in this standard are classified as follows:



Class N A garment designed for night use using retro reflected light.



Class D/N A garment designed for day and night use.

## AS/NZS 1906.4

This Standard specifies the requirements for high visibility materials and reflective tape to be used on industrial safety garments for outdoor daytime use and for use at night or in other dark conditions where the wearer needs to be highly visible.

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### EN 17353 - Enhanced visibility equipment for medium risk situations

The EN 17353 standard is applicable to clothing and devices worn in medium risk situations such as working with slow-moving vehicles and in areas of work where high risk (EN ISO 20471) high visibility clothing is not required. Garments and devices are permitted for use in daylight (day) conditions only, dark (night) conditions only, or for both daylight and dark conditions.



## **Type A: Equipment for Daylight**

Equipment is worn by users where the risk of not being seen exists only in daylight conditions. This equipment uses only the fluorescent material as an enhanced visibility component



## Type B: Equipment for dark conditions

Equipment worn by users where risk of not being seen exists only in dark conditions. This equipment uses only the retroreflective material as an enhanced visibility component



## Type AB: Equipment for daylight, twilight and dark conditions

Equipment worn by users where risk of not being seen is present in daylight, twilight, and dark conditions. This equipment uses fluorescent material as well as the retroreflective material and/or combined performance materials as enhanced visibility components.

## The standard replaces EN1150 and EN13356 standards. For high-risk situations see EN ISO 20471.



## **RIS-3279-TOM**

RIS-3279-TOM Issue 2 Railway Industry Standard (RIS) sets out the minimum specification for high visibility warning clothing in the rail industry



## EN 510 - Protective Clothing for use where there is a Risk Of Entanglement from Moving Parts

This standard specifies the properties of protective clothing that minimise the risk of its entanglement or drawing-in by moving parts when the wearer is working on or near hazardous moving machines or devices.



## EN 1150 - Visibility Protective Clothing for nonprofessional use

This European standard specifies the optical performance requirements for high visibility clothing to be worn by adults and by juveniles, and designed for non-professional use.

## **OEKO-TEX®**

High visibility fabrics tested to OEKO-TEX® STANDARD 100 guarantees the fabric does not contain any harmful substances detrimental to human health.

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### EN 13356 - Visibility Accessories for Non Professional Use

This standard specifies the optical performance requirements for accessories which are to be worn, attached to or carried by people and designed for non-professional use. Visibility accessories complying with this standard are intended to signal the users presence visually when illuminated by vehicle headlight on dark roads.

### ISO 13688 - PROTECTIVE CLOTHING - GENERAL REQUIREMENTS

This international standard specifies general requirements and recommendations for ergonomics, ageing, sizing and marking of protective clothing, and for information supplied by the manufacturer.

Every certified garment in this brochure is also certified to ISO 13688. This standard replaces the old EN340 standard.

## EN 14058 - PROTECTIVE CLOTHING- GARMENTS for PROTECTION AGAINST COOL ENVIRONMENTS

This standard specifies requirements and test methods for the performance of single garments for protection against cooling of the body in cool environments. Cool environments are as a result of a combination of humidity and wind at temperatures of -5°C and above.

At moderate low temperatures garments against local body cooling are not only used for outdoor activities but can be used for indoor activities. In these cases garments often do not need to be made of watertight or air impermeable materials. Therefore, these requirements are optional for this standard.



## **EN 342 PROTECTION AGAINST COLD**

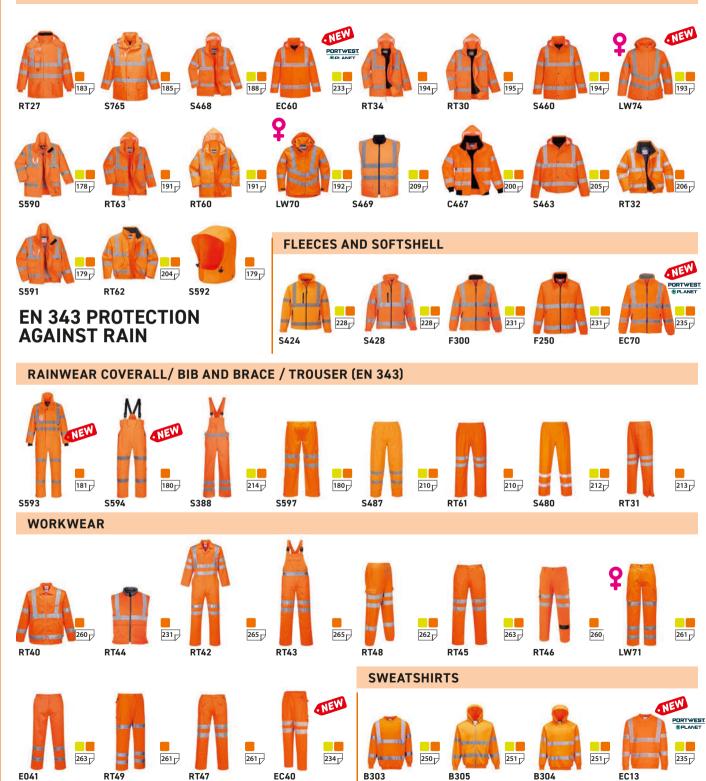






## OVER 100 STYLES COMPLYING WITH THE RAIL INDUSTRY STANDARD

## **RAINWEAR JACKETS (EN343)**



Meeting the stringent requirements in both design and construction, these styles comply with the latest RIS 3279-TOM standard. Additional contrast panel styles that also meet RIS-3279-TOM can be found throughout this high visibility section.

**RT20** 

C475

S277

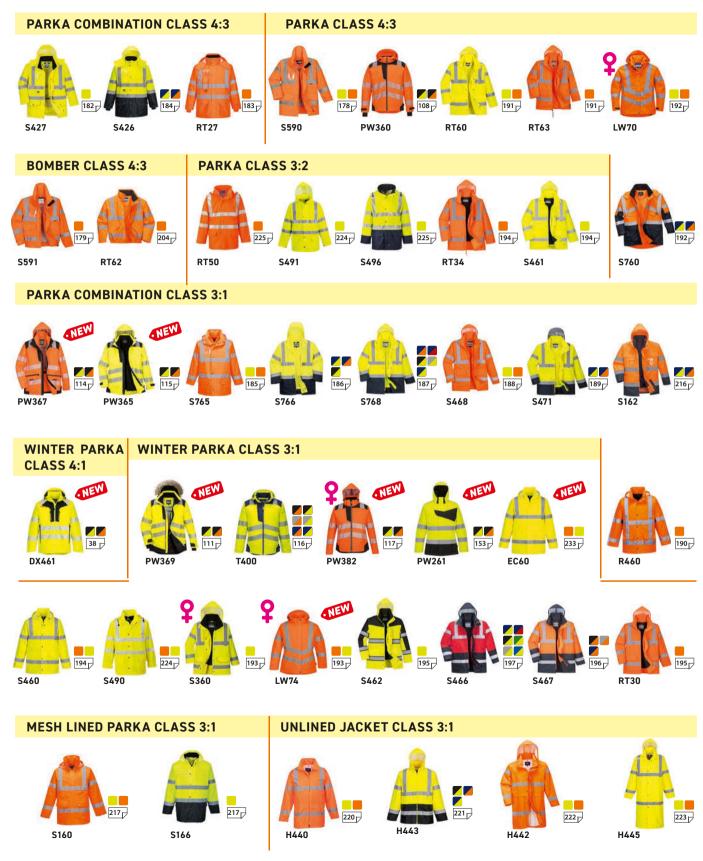
**HIGH VISIBILITY VESTS** NEW 275 275 153 271 267 266 269 C475 C473 C357 C375 C474 **RT26** S476 239 271 273 271 269 267 269 S475 C472 C470 C376 C370 G470 C374

**FLAME RESISTANT** NEV PORTWEST 237 326 325 EC76 363 363 363 315 FR71 FR76 FR75 FR85 S776 S773 NEW 326 327 309 315 324 324 303 306 S774 S778 S780 S781 MV91 AF91 MV72 FR703 **POLO SHIRTS AND T-SHIRTS** 



271

## **EN 343 PROTECTION AGAINST RAIN**



A comprehensive selection of High Visibility Waterproof Jackets, Trousers, Bib & Brace and Coveralls that are highly adaptable to all weather conditions. Certified to EN ISO 20471 and EN343, the garments have taped or welded seams to ensure full protection against wind and rain. All fabrics are tested to ISO 20811 for Water Penetration and breathable fabrics are tested to JIS L1099 method 1B for Water Vapour Permeability.



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PORTWEST PWR High Visibility series is constructed from stateof-the-art high performance waterproof and breathable Portwest Extreme fabric.

Using innovative technology, the base fabric has been engineered to provide a technical barrier against the elements providing the maximum waterproof, breathable and windproof protection which far exceeds the current highest Class 4:4 requirements for EN 343.

In addition, the microporous fabric delivers exceptional stretch characteristics ensuring outstanding flexibility for the wearer. The exterior fabric surface is treated with a Texpel finish to protect against water and oil stains.

S593 181



PWR AND PORTWEST EXTREME ARE TRADEMARKS OF PORTWEST.

# EXTREME WATERPROOF, BREATHABLE AND WINDPROOF PERFORMANCE









PORTWEST

EXCEPTIONAL BREATHABLE PERFORMANCE

STANDARD BREATHABLE UNDER 10,000 G/ M<sup>2</sup>/24HRS



S590 / S591 S592 / S597 S593 / S594 ACHIEVES

## 11,000mm

EXCEPTIONAL WATERPROOF PERFORMANCE

STANDARD WATERPROOF 1,500MM - 5,000MM

## WATERPROOF over 11.000mm

## EXTREME WATERPROOFNESS

Portwest Extreme achieves over 11,000mm hydrostatic head, equivalent to over 11 metres of water column.

(ISO 811:2018 Determination of resistance to water penetration. Hydrostatic pressure test).





EN 14360 Protective Clothing – Test method for ready-made garments – Impact from above with high energy droplets.

Garments are placed over data sensitive recording manikins and exposed to rainfall simulation of 450 litres/m²/h for a minimum of one hour. All garments within the PWR Hi-Vis series have been rain tower tested.



## WORK HARD IN COMFORT

The higher the g/m<sup>2</sup>/24 hours the more breathable the fabric is. (JIS L1099:2012 Method B1 Water vapour permeability). Portwest Extreme achieves the highest rated breathability levels.



Portwest Extreme exceeds the recognised standard requirement of 100N warp and weft under the most up to date version of the EN ISO 20471 standard

## EXTREME WEATHER PARKA

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#### S590 EXTREME PARKA JACKET EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 4:3 X WP 11 000MM MVP 50 0000 (M2/24 HPS

WP 11,000MM MVP 50,000G/M<sup>2</sup>/24HRS

- Waterproof and breathable with taped seams to prevent water penetration
   Premium stain resistant finish repels oil, water and grime
- Internal pockets for safe storage
   Hook and loop cuffs for a secure fit
- Dual ID holder allows use of both portrait
- and landscape ID card display Double storm flap to protect against the elements

Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g 100% Polyester Mesh, 60g Sleeve:100% Polyester Taffeta 190T 50gm

Orange S-3XL, Yellow S-3XL

## EXTREME WATERPROOF AND BREATHABLE TECHNOLOGY



CAN BE WORN WITH INTERACTIVE FLEECE F300 (SOLD SEPARATELY)



# **EXTREME WEATHER BOMBER**

LINED

## S592 EXTREME HOOD

EN 343 CLASS 4:3 X

- Waterproof and breathable with taped seams to prevent water penetration
- Premium stain resistant finish repels oil, water and grime
- · Ergonomically shaped hood for a perfect fit
- · Lined for added warmth and comfort
- · Vertical and horizontal hood adjustment

Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g 100% Polyester Taffetta 190T, 50g

- Orange One Size, Yellow One Size



## LONG LASTING PERFORMANCE

TEXPEL



# **EXTREME WEATHER TROUSER AND COVERALL**



- · Waterproof and breathable with taped seams to prevent water penetration
- · Premium stain resistant finish repels oil, water and grime
- · Drawcord adjustable waist for a comfortable fit
- · Easy access cargo pockets
- · Side access pockets
- · Zipped ankles for easy fitting over work boots

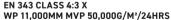
Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g







## **EXTREME BIB & BRACE** EN ISO 20471 CLASS 2 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**



- Waterproof and breathable with taped seams to prevent water
- penetration
- Premium stain resistant finish repels oil, water and grime Quick and easy side access
- Double rule pocket
- · Button and elastic chest adjustment for comfortable fit
- Zipped ankles for easy fitting over work boots

Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g Orange S-3XL



## **FULL PROTECTION FROM** THE ELEMENTS



LINED

#### S593 **EXTREME COVERALL** EN ISO 20471 CLASS 3 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** EN 343 CLASS 4:3 X WP 11,000MM MVP 50,000G/M<sup>2</sup>/24HRS

Waterproof and breathable with taped seams to prevent water penetration

- Premium stain resistant finish repels oil, water and grime
- · 10 pockets for ample storage · Quick and easy side access
- · Double rule pocket
- · Quick dry knitted cuff for a snug and comfortable fit

Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g 100% Polyester Mesh, 60g Sleeve:100% Polyester Taffeta 190T 50g

Orange S-3XL









## **FABRIC INFORMATION**

Made with 300 Denier 100% Polyester yarn, this is a tough fabric for tough conditions. 300D 190g fabric has superb abrasion and tear resistance. The double coating of polyurethane (PU) on the inside makes the fabric durable and waterproof. And the outer has a water and stain repellent coating which helps keep the garment clean. 300D Oxford Weave is available with both a breathable (300D Breathable) and non-breathable (300D Industry) double polyurethane coating.





8

**HI-VIS 7-IN-1 TRAFFIC JACKET RIS** EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 4:3 X WP 10,000MM, MVP 10,000G/M<sup>2</sup>/24HRS EN 342 0.355 (M<sup>2</sup>.K/W), 3, X

- · Waterproof and breathable with taped seams to prevent water penetration Extremely water resistant fabric finish, water beads away from fabric surface EN342 Protection against cold certified up to -40°C
- Hook and loop cuffs for a secure fit Fleece lined collar to trap the heat and increase warmth
- Knitted cuff for comfort and warmth

300D Breathable: 100% Polvester. 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190g Outer Jacket: 100% Polyester Mesh 60g

Inner Jacket: 65% Polyester, 35% Cotton 70g Inner Jacket: 100% Polyester 160g

Orange XS-5XL



OUTER JACKET WITH

5XL

INNER JACKET

2

XS



300

SLEEVELESS INNER JACKET



INNER JACKET WITH



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1

OUTER JACKET



BODYWARMER 7







SLEEVES

4





BODYWARMER 6 REVERSE

# 7-IN-1 **BREATHABLE JACKET**

PADDED

EN 342

AN 7-IN-1

S426 8 **HI-VIS 7-IN-1 CONTRAST TRAFFIC JACKET** EN ISO 20471 CLASS 3 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** EN 343 CLASS 4:3 X WP 10,000MM, MVP 10,000G/M<sup>2</sup>/24HRS EN 342 0.343 (M<sup>2</sup>.K/W), 3, X · Waterproof and breathable with taped UPĔ seams to prevent water penetration Extremely water resistant fabric finish, water beads away from fabric surface · EN342 Protection against cold certified up to -40°C · ID card holder for ID card display · Hook and loop cuffs for a secure fit

· Contrast fleece collar for protection against dirt

300D Breathable: 100% Polyester, 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190a Outer Jacket: 100% Polyester Mesh 60g Inner Jacket: 65% Polyester, 35% Cotton 70g

Inner Jacket: 100% Polyester 160g Orange/Navy S-4XL, Yellow/Navy XS-4XL

## PERFECT FOR ALL **WEATHER CONDITIONS**

















OUTER JACKET

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INNER JACKET

BODYWARMER 6 REVERSE

BODYWARMER 7













# 5-IN-1 ESSENTIAL JACKET

12

UP

**S765 HI-VIS ESSENTIAL 5-IN-1 JACKET** EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X WP 15,000MM EN 342 0.352 (M<sup>2</sup>.K/W), 2, X

 Waterproof with taped seams preventing water penetration
 Extremely water resistant fabric finish, water beads away from fabric surface
 7 pockets for ample storage
 Dual ID holder allows use of both portrait and landscape ID card display
 Stud adjustable cuffs for a secure fit
 Detachable inner jacket for added versatility in all weather conditions
 300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU

Coated, 190g Outer Jacket: 100% Polyester Mesh 60g Inner Jacket: 100% Polyester Fleece 280g

Orange S-3XL, Yellow S-3XL

## WATERPROOF WITH TAPED SEAMS

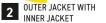


BACK OF JACKET









3 OUTER JACKET WITH SLEEVELESS INNER JACKET

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5-IN-1

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EN 342

LINED



SLEEVES

4

INNER JACKET WITH



1 OUTER JACKET

5 BODYWARMER



# 5-IN-1 **EXECUTIVE JACKET**

S768

JACKET

WP 15,000MM

to -40°C

190g

60g



280g □□□□□ Orange/Navy, Yellow/Black, Yellow/ Grey, Yellow/Navy Red/Navy

## **TWO TONE IN 5 MULTICOLOUR OPTIONS**









OUTER JACKET WITH 3 SLEEVELESS INNER JACKET



AN

5-IN-1

























BACK OF JACKET

XS 5XL RIS

188

300D OXFORD

USTRY

TEXPEL\*

2×PU



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BODYWARMER

3





4 BODYWARMER REVERSE





# BREATHABLE JACKET

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RT63 HI-VIS BREATHABLE TRAFFIC JACKET (INTERACTIVE) EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 4:3 X

WP 10,000MM MVP 10,000G/M<sup>2</sup>/24HRS

- Waterproof and breathable with taped seams to prevent water penetration
   Extremely water resistant fabric finish, water beads away from fabric surface
- Internal chest pocket
   Hook and loop cuffs for a secure fit
   Storm flap front to protect against the
- elements
  Interactive zip for added functionality

300D Breathable: 100% Polyester, 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190g 100% Polyester Mesh, 60g Orange S-3XL



**HI-VIS BREATHABLE JACKET** 

**RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** 

WP 10,000MM, MVP 10,000G/M<sup>2</sup>/24HRS
Waterproof and breathable with taped seams to prevent water penetration
Extremely water resistant fabric finish,

water beads away from fabric surface

300D Breathable: 100% Polyester,

300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant

Print access for corporate branding
 Lightweight and comfortable

Finish, 190g 100% Polyester Mesh, 60g Orange S-3XL, Yellow S-3XL CAN BE WORN WITH INTERACTIVE FLEECE F300 (SOLD SEPARATELY)

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**RT60** 

EN ISO 20471 CLASS 3

EN 343 CLASS 4:3 X

Internal chest pocket
 Inner knitted cuff



## 191

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# BREATHABLE JACKET



LINED

300D Breathable: 100% Polyester, 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190g 100% Polyester Mesh, 60g Orange XS-3XL, Yellow XS-3XL





# WINTER





# WINTER **JACKET**

S467 **HI-VIS TWO TONE TRAFFIC** JACKET

EN 342

PADDED

PORTWEST

EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X WP 15,000MM EN 342 0.345 (M<sup>2</sup>.K/W), 2, X ANSI/ISEA 107 TYPE R CLASS 3 AS 4602.1 CLASS D/N

· Waterproof with taped seams preventing water penetration

· Extremely water resistant fabric finish, water beads away from fabric surface · EN342 Protection against cold certified up to -40°C · Internal chest pocket · Inner ribbed cuffs for warmth and comfort

· Fully lined and padded to trap the heat and increase warmth

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated,

Resistant finish, Double FO Coales, 190g 100% Polyester, 60g 100% Polyester, 170g Immini Orange/Black S-3XL, Orange/Grey S-3XL, Orange/Navy XS-5XL





BACK OF JACKET





ORANGE/GREY



ORANGE/NAVY



12

UPĔ

# WINTER **JACKET**

PADDED EN 342

# 

12 UP

## S466 **HI-VIS CONTRAST TRAFFIC** JACKET

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM EN 342 0.345 (M<sup>2</sup>.K/W), 2, X ANSI/ISEA 107 TYPE R CLASS 3 AS 4602.1 CLASS D/N

· Waterproof with taped seams preventing water penetration · Extremely water resistant fabric finish, water beads away from fabric surface

- · EN342 Protection against cold certified up to -40°C
- Internal pocket for safe storage · Inner knitted cuff
- · Quilt lined for thermal insulation

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g 100% Polyester, 60g 100% Polyester, 170g 100% Navy, Yellow/Black, Yellow/Green, Yellow/Grey,

Yellow/Royal Red/Navy

## **EXTREME COLD WEATHER** PROTECTION

YELLOW/NAVY





300 OXFORD WEAVE





REG

XS-6XL

XS-4XL S-3XL S-3XL XS-3XL S-3XL



PORTWEST

9

YELLOW/GREY



BACK OF JACKET











# 3-IN-1 JACKET



EN 342

**/1** 3-IN-1

PORTWEST

## C466

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XS

4XL

HI-VIS CLASSIC BOMBER JACKET EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X

## WP 15,000MM EN 342 0.344 (M<sup>2</sup>.K/W), 2, X ANSI/ISEA 107 TYPE R CLASS 3

- Waterproof with taped seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
   EN342 Protection against cold certified up
- to -40°C Detachable sleeves, fur liner and fur collar provide multi-way options for the wearer
- Zipped pockets
   Hook and loop cuffs for a secure fit

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g 100% Polyester 60g

- 100% Polyester 60g 100% Polyester Fur Lining 400g YYYYYYY Sleeve: 100% Polyester
- Filling 120g Orange/Black XS-4XL, Yellow/Black XS-4XL, Yellow/Navy S-3XL

## WATERPROOF WITH TAPED SEAMS





TEXPEL

# 2 BODYWARMER



PORTWEST.

0

OUTER JACKET WITH

FUR LINING





# 3-IN-1 BOMBER



**X** 

EN 342

PADDED

3-IN-1



NEW FEATURE

S365
HI-VIS PREMIUM 3-IN-1
BOMBER
EN ISO 20471 CLASS 3
EN 343 CLASS 3:1 X
WP 15,000MM
ANSI/ISEA 107 TYPE R CLASS 3
Waterproof with taped seams preventing

water penetration
Extremely water resistant fabric finish, water beads away from fabric surface
Internal tablet pocket for safe storage
ID card holder for ID card display
Hook and loop cuffs for a secure fit
Contrast panels for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g 100% Polyester, 60g Inner Garment: 100% Polyester

300g Yellow/Black S-5XL

## DETACHABLE ZIP SWEATER



BACK OF JACKET







) | (

3-IN-1

LINED

2 OUTER JACKET WITH INNER JACKET



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# 2-IN-1 BOMBER



X.

EN 342

LINED

2-IN-1



BACK OF JACKET

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LINED

## CONCEALED DETACHABLE HOOD

**RT62** 12 **HI-VIS BREATHABLE MESH** LINED JACKET EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 4:3 X WP 10,000MM MVP 10,000G/M<sup>2</sup>/24HRS · Waterproof and breathable with taped seams to prevent water penetration UPF · Extremely water resistant fabric finish, water beads away from fabric surface · Internal chest pocket · Inner ribbed cuffs for warmth and comfort · Fleece lined collar to trap the heat and increase warmth 4

 Side elastic waist for ultimate wearer comfort

 300D Breathable: 100% Polyester, 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190g 100% Polyester Mesh, 60g

 Implicit X

 Orange S-3XL

## BREATHABLE WATERPROOF WINDPROOF





# WINTER BOMBER



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## 12 RT32

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HI-VIS BOMBER JACKET RIS EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X WP 15,000MM EN 342 0.336 (M<sup>2</sup>.K/W), 2, X ANSI/ISEA 107 TYPE R CLASS 3

- Waterproof with taped seams preventing water penetration
   Extremely water resistant fabric finish,
- Extremely Water resistant fabric finish, water beads away from fabric surface
   EN342 Protection against cold certified up
- to -40°C
- Internal chest pocket
   Inner ribbed cuffs for warmth and comfort
- Concealed detachable hood

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g 100% Polyester, 60g 100% Polyester, 170g Orange XS-5XL

PADDED PROTECTION AGAINST COLD TO -40°C









PADDED

PORTWEST

10 mm cc

## CONTRAST BOMBER

## QUILT LINED COMFORT

## S363 12 **HI-VIS TWO-TONE BOMBER** JACKET EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15.000MM ANSI/ISEA 107 TYPE R CLASS 3 · Waterproof with taped seams preventing water penetration · Extremely water resistant fabric finish, UPF water beads away from fabric surface · Internal tablet pocket for safe storage · ID card holder for ID card display Inner ribbed cuffs for warmth and comfort [4] · Contrast panels for protection against dirt 300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g 190g 100% Polyester, 60g 100% Polyester, 170g Yellow/Black S-5XL W e P Ì $\mathbf{\hat{1}}$







## BREATHABLE TROUSER

## HIGH PERFORMING EN343 CLASS 4:3





HI-VIS BREATHABLE TROUSER EN ISO 20471 CLASS 1 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 4:3 X WP 10,000MM, MVP 10,000G/M<sup>2</sup>/24HRS

- Waterproof and breathable with taped seams to prevent water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Quick and easy side access
- · Zipped ankles for easy fitting over work boots
- · Fully elasticated waistband for ultimate wearer comfort
- · Certified to EN ISO 20471 after 50x washes
- 300D Breathable: 100% Polyester, 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190g
- Yellow XS-3XL, Orange S-XXL



## RT61 HI-VIS BREATHABLE TROUSER

EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 4:3 X WP 10,000MM, MVP 10,000G/M<sup>2</sup>/24HRS

- **₽Ĕ**₩₩₩ .
  - $\cdot \,$  Waterproof and breathable with taped seams to prevent water penetration
  - Extremely water resistant fabric finish, water beads away from fabric surface
  - · Quick and easy side access
  - · Zipped ankles for easy fitting over work boots
  - Fully elasticated waistband for ultimate wearer comfort
     Certified to EN ISO 20471 after 50x washes

300D Breathable: 100% Polyester, 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190g

Orange XS-5XL







# WATERPROOF OVER TROUSER







S480 HI-VIS TRAFFIC TROUSER EN ISO 20471 CLASS 1 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X WP 15,000MM ANSI/ISEA 107 SUPPLEMENTAL CLASS E

Waterproof with taped seams preventing water penetration

- Extremely water resistant fabric finish, water beads away from fabric surface
- · Quick and easy side access
- · Stud adjustable hems for a secure fit
- · Fully elasticated waistband for ultimate wearer comfort
- · Reflective tape for increased visibility

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g

# Image: Weight of the second state S486 Image: Weight of the second state HI-VIS Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2 Image: Weight of the second state EN ISO 2



HI-VIS TWO TONE TRAFFIC TROUSER EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X WP 15.000MM

## ANSI/ISEA 107 SUPPLEMENTAL CLASS E

- Waterproof with taped seams preventing water penetration
   Extremely water resistant fabric finish, water beads away from fabric surface
- Quick and easy side access
- Stud adjustable hems for a secure fit
- · Fully elasticated waistband for ultimate wearer comfort
- Contrast panels for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g Orange/Navy S-3XL, Yellow/Navy S-3XL









**HIGH PERFORMANCE** 

WATERPROOF PROTECTION

# WATERPROOF TROUSER

**IDEAL** FOR RAIL **INDUSTRY** 



| 24         | UK<br>CA |
|------------|----------|
| CE         | ×50      |
| 40.<br>UPF | J.       |
| www        |          |

RT31 **HI-VIS TRAFFIC TROUSER, RIS** EN ISO 20471 CLASS 2 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** EN 343 CLASS 3:1 X WP 15,000MM

- · Waterproof with taped seams preventing water penetration · Extremely water resistant fabric finish, water beads away from
- fabric surface
- · Quick and easy side access
- · Zipped ankles for easy fitting over work boots
- · Fully elasticated waistband for ultimate wearer comfort
- · Reflective tape for increased visibility

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g Orange S-3XL



- · Easy access cargo pocket
- · Zipped ankles for easy fitting over work boots

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g

- 100% Polyester, 60g 100% Polyester, 170g

TEXPEL

Yellow/Navy S-3XL, Orange/Navy S-XXL







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PADDED

EN 342



S489 **CONTRAST BIB & BRACE - LINED** EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X WP 15,000MM EN 342 0.341 (M<sup>2</sup>.K/W), 2, X ANSI/ISEA 107 SUPPLEMENTAL CLASS E

- Waterproof with taped seams preventing water penetration · Extremely water resistant fabric finish, water beads away from fabric surface
- · EN342 Protection against cold certified up to -40°C
- · Multiple utility pockets providing ample storage
- · Adjustable side opening for added flexibility
- · Zipped ankles for easy fitting over work boots

300D Industry: 100% Polyester, 300D Oxford Weave with Stain Resistant finish, Double PU Coated, 190g

| 100% Polyester, 60g | g  |
|---------------------|----|
| 100% Polyester, 170 | Ĵg |

100% Polyester, 170g



# S485

**HI-VIS CONTRAST COVERALL - LINED** EN ISO 20471 CLASS 3

**RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** EN 343 CLASS 3:1 X WP 15,000MM EN 342 0.341 (M<sup>2</sup>.K/W), 2, X

- ANSI/ISEA 107 TYPE R CLASS 3
- · Waterproof with taped seams preventing water penetration · Extremely water resistant fabric finish, water beads away from fabric surface
- · EN342 Protection against cold certified up to -40°C
- · Inner ribbed cuffs for warmth and comfort · Zipped ankles for easy fitting over work boots
- · Contrast panels for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g



XS 6XL

100% Polyester, 60g 100% Polyester, 170g

ALS 300D

Orange/Navy S-6XL, Yellow/Black S-6XL, Yellow/Navy XS-6XL



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# **3-IN1 LITE** JACKET



## **FABRIC INFORMATION**

Made with 150 Denier 100% Polvester yarn, this is a tough fabric for tough conditions. 150D fabric has superb abrasion and tear resistance. The PVC coating on the inside makes the fabric durable and waterproof and the outer has a water repellent coating which helps keep the garment clean.



LINED

3-IN-1

OUTER JACKET WITH 1 INNER JACKET



BACK OF JACKET







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DETACHABLE FLEECE 2



# LITE JACKET



#### HI-VIS LITE TRAFFIC JACKET EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5 000MM

LINED

#### ANSI/ISEA 107 TYPE R CLASS 3

 Waterproof with taped seams preventing water penetration

- Extremely water resistant fabric finish, water beads away from fabric surface
- · Pack away hood for added functionality
- Stud adjustable cuffs for a secure fit
- Storm flap front to protect against the elements
- · Print access for corporate branding
- 100% Polyester, 150D Oxford

   Weave, PVC Coated, 200g

   100% Polyester Mesh, 60g

   Orange S-3XL, Yellow XS-3XL





- Waterproof with taped seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- · Pack away hood for added functionality
- · Stud adjustable cuffs for a secure fit
- Storm flap front to protect against the elements
- $\cdot$  Contrast colouring for added style
- 100% Polyester, 150D Oxford Weave, PVC Coated, 200g 100% Polyester Mesh, 60g Yellow/Navy S-3XL





# **LITE BOMBER**





# PACK AWAY RAINSUIT



## **FABRIC INFORMATION**

190T Essentials Made with 190T plain weave 100% polyester yarn this is a durable, hard wearing fabric for tough conditions. This fabric is lightweight and has superb abrasion and tear resistance. It has a PVC coating inside which makes the fabric waterproof and has a water and stain repellent coating on the outside which helps keep the garment clean.



RETAIL BAG WHICH AIDS PRESENTATION FOR RETAIL SALES



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#### HI-VIS PACKAWAY RAINSUIT EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X

- Waterproof with taped seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- Increased breathability with a vented back yoke
- Drawcord hood and hem for a secure and comfortable fit
- · Inner elasticated cuff
- $\,\cdot\,$  Stud adjustable hems for a secure fit
- 100% Polyester, 190T, Plain Weave, PVC coated, 200g Jacket Yoke Only: 100% Polyester Mesh 60g
  ♥ Orange S-4XL, Yellow S-4XL



NEW

# RAINWEAR ESSENTIALS

# TOP SELLING COMPLETE WATERPROOF PROTECTION





#### H440 HI-VIS RAIN JACKET

#### EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5,000MM ANSI/ISEA 107 TYPE R CLASS 3 AS 4602.1 CLASS D/N

- Waterproof with taped seams preventing water penetration
   Extremely water resistant fabric finish, water beads away from
- fabric surface
- $\cdot$   $\,$  2 pockets for secure storage
- $\cdot~$  Drawcord hood and hem for a secure and comfortable fit
- · Inner elasticated cuff
- $\cdot\;$  Vented back yoke and eyelets for added breathability and comfort

100% Polyester, 190T, Plain Weave, PVC coated, 200g Yoke Only: 100% Polyester Mesh 60g Yellow XS-6XL, Orange XS-6XL



### H441 HI-VIS RAIN TROUSER

EN ISO 20471 CLASS 1 EN 343 CLASS 3:1 X WP 5,000MM ANSI/ISEA 107 SUPPLEMENTA

ANSI/ISEA 107 SUPPLEMENTAL CLASS E AS/NZS 1906.4

- Waterproof with taped seams preventing water penetration
   Extremely water resistant fabric finish, water beads away from fabric surface
- Fully elasticated waistband for ultimate wearer comfort
- Stud adjustable hems for a secure fit
- · Twin-stitched seams for extra durability
- $\cdot \;$  Reflective tape for increased visibility

100% Polyester, 190T, Plain Weave, PVC coated, 200g





# RAINWEAR ESSENTIALS

# CONTRAST PANELS FOR DIRT PROTECTION

#### HI-VIS CLASSIC CONTRAST RAIN JACKET EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5,000MM ANSI/ISEA 107 TYPE R CLASS 3 AS 4602.1 CLASS D/N

- Waterproof with taped seams preventing water penetration
   Extremely water resistant fabric finish, water beads away from fabric surface
- · 2 pockets for secure storage
- 2 pockets for secure storage
- Drawcord hood and hem for a secure and comfortable fit
- · Inner elasticated cuff

H443

· Vented back yoke and eyelets for added breathability and comfort

#### 100% Polyester, 190T, Plain Weave, PVC coated, 200g Yoke Only: 100% Polyester Mesh 60g

Orange/Navy S-3XL, Yellow/Black S-5XL, Yellow/Navy S-3XL



#### H444 HI-VIS CLASSIC CONTRAST RAIN TROUSER EN ISO 20471 CLASS 1

EN 150 20471 CLASS 1 EN 343 CLASS 3:1 X WP 5.000MM

- ANSI/ISEA 107 SUPPLEMENTAL CLASS E AS/NZS 1906.4
- Waterproof with taped seams preventing water penetration
   Extremely water resistant fabric finish, water beads away from fabric surface
- · Fully elasticated waistband for ultimate wearer comfort
- $\cdot$  Stud adjustable hems for a secure fit
- · Twin-stitched seams for extra durability
- $\cdot$  Contrast panels for protection against dirt

100% Polyester, 190T, Plain Weave, PVC coated, 200g Orange/Navy S-3XL, Yellow/Black S-6XL, Yellow/Navy S-3XL





# RAINCOAT ESSENTIALS

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H442 HI-VIS COAT 100CM EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5,000MM

- Waterproof with taped seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- Extra protection against the cold with an
- extended 100cm back
  Drawcord hood and hem for a secure and comfortable fit
- Elasticated cuffs for a secure fit
   Vented back yoke and eyelets for added breathability and comfort

 York
 100% Polyester, 190T, Plain Weave,

 PVC coated, 200g
 Yoke Only: 100% Polyester Mesh

 60g
 60g

Orange S-4XL, Yellow S-4XL

# LIGHTWEIGHT WATERPROOF PROTECTION WITH PACK AWAY HOOD





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# RAINCOAT ESSENTIALS



HI-VIS COAT 122CM EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5,000MM ANSI/ISEA 107 TYPE R CLASS 3 AS 4602.1 CLASS D/N

 Waterproof with taped seams preventing water penetration NEW COLOUR

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- Extremely water resistant fabric finish, water beads away from fabric surface
- Extra protection against the rain with a longer 122cm length
- Drawcord hood and hem for a secure and comfortable fit
- · Inner elasticated cuff
- Vented back yoke and eyelets for added breathability and comfort

100% Polyester, 190T, Plain Weave, PVC coated, 200g

Yoke Only: 100% Polyester Mesh

Yellow S-5XL, Orange S-3XL

# LONGER COAT LENGTH FOR ADDED PROTECTION





## **FABRIC INFORMATION**

Sealtex<sup>™</sup> Ultra is a highly breathable, high technology PU coated fabric, on a flexible 100% polyester tricot knit, 185g. Sealtex Ultra meets high visibility standard FN ISO 20471.



PADDED

IEW COLOUR

#### S490 SEALTEX ULTRA LINED JACKET

#### EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5.000MM ANSI/ISEA 107 TYPE R CLASS 3

- Waterproof with welded seams to prevent water penetration
- Breathable and windproof fabric with mechanical stretch properties
- Extremely water resistant fabric finish, water beads away from fabric surface
- · 3 pockets for ample storage
- Pack away hood for added functionality
- · Inner ribbed cuffs for warmth and comfort

#### Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g

- 100% Polyester, 60g WYYYYY Body: 100% Polyester 170g
- Sleeve: 100% Polyester 100g Yellow S-3XL
- Orange S-3XL



HS

# SEALTEX ULTRA UNLINED JACKET (YELLOW)

6

EN ISO 20471 CLASS 3 EN 343 CLASS 3:2 X WP 5,000MM MVP 3,000G/M<sup>2</sup>/24HRS ANSI/ISEA 107 TYPE R CLASS 3

- Waterproof with welded seams to prevent water penetration Breathable and windproof fabric with mechanical stretch properties
- Extremely water resistant fabric finish, water beads away from fabric surface
- 2 pockets for secure storage
- · Pack away hood for added functionality
- · Stud adjustable cuffs for a secure fit

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g

Yellow XS-5XL







## **GARMENT BENEFITS**

Waterproof, windproof and breathable, we guarantee this range will keep you warm and dry in adverse conditions. The welded seams keep rain and wind out and the durable, stretchy fabric can easily be wiped clean, allowing the garments to look good and last for longer.







#### RT50 SEALTEX ULTRA UNLINED JACKET EN ISO 20471 CLASS 3 EN 343 CLASS 3:2 X WP 5,000MM, MVP 3,000G/M<sup>2</sup>/24HRS

- Waterproof with welded seams to prevent water penetration
- Breathable and windproof fabric with mechanical stretch properties
- $\cdot\,$  Extremely water resistant fabric finish, water beads away from fabric surface
- $\cdot \,$  2 pockets for secure storage
- · Pack away hood for added functionality
- · Stud adjustable cuffs for a secure fit

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g

Orange XS-3XL



## S496 SEALTEX ULTRA TWO TONE JACKET

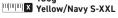
EN ISO 20471 CLASS 3 EN 343 CLASS 3:2 X

WP 5,000MM, MVP 3,000G/M<sup>2</sup>/24HRS

· Wate · Breat prope

- Waterproof with welded seams to prevent water penetration
   Breathable and windproof fabric with mechanical stretch properties
- $\ensuremath{\mathsf{Extremely}}$  water resistant fabric finish, water beads away from fabric surface
- $\cdot$   $\,$  2 pockets for secure storage
- · Pack away hood for added functionality
- $\cdot \;$  Stud adjustable cuffs for a secure fit

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g









# STRETCHY PU COATED FABRIC WITH WELDED SEAMS





#### S493 SEALTEX ULTRA REFLECTIVE TROUSER EN ISO 20471 CLASS 1 EN 343 CLASS 3:2 X WP 5,000MM MVP 3,000G/M<sup>2</sup>/24HRS ANSI/ISEA 107 SUPPLEMENTAL CLASS E

- Waterproof with welded seams to prevent water penetration
   Breathable and windproof fabric with mechanical stretch properties
- Extremely water resistant fabric finish, water beads away from fabric surface
- · Fully elasticated waistband for ultimate wearer comfort
- · Stud adjustable hems for a secure fit
- · Heat applied reflective tape for added visibility

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated,





## RT51 SEALTEX ULTRA TROUSER

EN ISO 20471 CLASS 2 EN 343 CLASS 3:2 X

WP 5,000MM, MVP 3,000G/M<sup>2</sup>/24HRS

- Waterproof with welded seams to prevent water penetration
   Breathable and windproof fabric with mechanical stretch properties
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Fully elasticated waistband for ultimate wearer comfort
- Stud adjustable hems for a secure fit
- · Heat applied reflective tape for added visibility

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g

Orange S-3XL









**SEALTEX ULTRA BIB & BRACE** EN ISO 20471 CLASS 2 EN 343 CLASS 3:2 X WP 5,000MM, MVP 3,000G/M<sup>2</sup>/24HRS

- · Waterproof with welded seams to prevent water penetration · Breathable and windproof fabric with mechanical stretch
- properties
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Concealed chest pocket
- · Stud adjustable hems for a secure fit
- · Adjustable straps with durable buckle closure

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated,





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SEALTEX ULTRA COVERALL

EN ISO 20471 CLASS 3 EN 343 CLASS 3:2 X WP 5,000MM, MVP 3,000G/M<sup>2</sup>/24HRS

- Waterproof with welded seams to prevent water penetration Breathable and windproof fabric with mechanical stretch properties
- Extremely water resistant fabric finish, water beads away from fabric surface
- · Quick and easy side access
- · Pack away hood for added functionality
- · Stud adjustable cuffs for a secure fit

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185q

Vellow S-3XL



227

# SOFTSHELL JACKET







# S424

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HI-VIS CLASSIC SOFTSHELL JACKET (3L) EN ISO 20471 CLASS 3 AS 4602.1 CLASS D/N RIS 3279 TOM ISSUE 2 (ORANGE ONLY) WATERPROOF/BREATHABILITY WP 8.000MM, MVP 3.000G/M2/24HR

> Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable

- $\cdot \,$  Micro polar fleece lined and bonded with shell
- $\cdot$   $\,$  Reflective tape for increased visibility
- $\cdot \,$  4 pockets for ample storage
- Zipped chest pocket
- $\cdot \,$  Internal phone pocket

94% Polyester, 6% Elastane 160g laminated to 100% Polyester Micro Polar Fleece 150g, 310g Orange S-3XL, Yellow S-3XL





# **SOFTSHELL JACKET**

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- · Extremely water resistant fabric finish, water beads away from fabric surface
- · 4 pockets for ample storage
- · Zipped chest pocket
- · Internal phone pocket

94% Polyester, 6% Elastane 160g laminated to 100% Polyester Micro Polar Fleece 150g, 310g Yellow S-3XL









12

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#### PJ50 HI-VIS 3-IN-1 PILOT JACKET EN ISO 20471 CLASS 3 ANSI/ISEA 107 TYPE R CLASS 3 EN 342 THERMAL INSULATION 0.331 (M2 K/W) CLASS 2

EN 342

730g

PADDED

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3-IN-1

- Extremely water resistant fabric finish, water beads away from fabric surface
- · Detachable fur collar
- · 7 pockets for ample storage · Knitted cuffs and hem
- · Detachable sleeves, fur liner and fur collar provide multi-way options for the wearer Jacket can be worn three ways for multi use

55% Cotton, 45% Polyester, 240g 100% Polyester Fur Lining, 460g 100% Polyester, 60g Sleeve: 100% Polyester Filling 120g Orange/Navy S-4XL, Yellow/Black S-3XL, Yellow/Navy S-5XL

















# MID LAYER FLEECE





# PORTWEST.

Portwest is delighted to introduce a collection of environmentally friendly high visibility products. These eco garments are made from certified recycled fabrics, with sustainably sourced packaging and labels.

These styles deliver all the function and design that Portwest is known for, allowing the wearer to champion sustainability without compromising on performance.

Our fully owned factories are compliant with WRAP and SMETA standards of socially responsible production. Our Eco High Visibility garments are ethically produced in one of our fully owned factories, that is compliant with WRAP and SMETA standards of socially responsible production. In addition, it is ISO 14001 environmentally accredited, chemically compliant by OEKO-TEX® STANDARD 100, and quality management assured by ISO 9001.







# ECO WINTER JACKET

PADDED

PORTWEST

# PORTWEST.

NEW



79

79 PET BOTTLES ARE RECYCLED TO MAKE THIS JACKET



# **ECO TROUSER**

# **PORTWEST**



| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |
|----------------------------------------|----------|---------|---------|
| INCH                                   | СМ       | EU      | FR      |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |

**25 PET BOTTLES ARE RECYCLED TO MAKE THIS** TROUSER

KNEE PAD POCKETS



STATE OF BELLEVILLE



# ECO FLEECE AND SWEATSHIRT

# PORTWEST. PLANET

# EC70

18

UPI

3

#### ECO HI-VIS FLEECE JACKET EN ISO 20471 CLASS 3

#### RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- Environmentally friendly certified recycled fabric
- Anti-pill durable fleece fabric
- Reflective tape for increased visibility
- Internal phone pocket
   A pockets for ample store
- 3 pockets for ample storage
   Radio loop for easy clipping of a radio

100% Recycled Polyester, Anti Pill finish Fleece, 270g ♥♥♥♥♥♥♥ Orange S-4XL, Yellow S-4XL





24

UPF



#### EC13 EC0 HI-VIS SWEATSHIRT EN ISO 20471 CLASS 3

RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

Environmentally friendly certified recycled fabric

**SLIM** 

FIT

PORTWEST L

- · Knitted fabric with brushed backing
- Slim fit design for exceptional comfort
- Tape gap on side seams allows maximum garment stretch
- · Reflective trim on inner hem for increased visibility
- Ribbed cuffs for added comfort

65% Recycled Polyester, 35% Cotton, 300g Yellow S-4XL, Orange S-4XL



27 PET BOTTLES ARE RECYCLED TO MAKE THIS SWEATSHIRT



NEW

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# SUM SUM MULTIPACKED TO SAVE ON PACKAGING NULTIPACKED TO SAVE Image: State of the s

**SLIM** 

FIT

**PORTWEST** 

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PLANET

NEW

 Environmentally friendly certified recycled fabric
 Breathable fabric to draw moisture away

from the body keeping the wearer cool, dry and comfortable • Slim fit design for exceptional comfort

Tape gap on side seams allows maximum

UPF

- garment stretch Superior styling with a contrast collar and fluorescent stripe
  - Reflective tape for increased visibility

#### 100% Recycled Polyester, Bird Eye Knit, 175g

Orange S-4XL, Yellow S-4XL





# MULTIPACKED TO SAVE ON PACKAGING







# ECO T-SHIRT AND VEST



# MULTIPACKED TO SAVE ON PACKAGING

5.94

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PLANET

**PORTWEST** 



#### ECO HI-VIS T-SHIRT (6 PACK) EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- Environmentally friendly certified recycled fabric
- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Slim fit design for exceptional comfort
   Tape gap on side seams allows maximum
- garment stretch
- Reflective tape for increased visibility
   Certified to EN ISO 20471 after 50x washes

100% Recycled Polyester, Bird Eye Knit, 150g □□□□□□ Orange S-4XL, Yellow S-4XL



10 PET BOTTLES ARE RECYCLED TO MAKE THIS T-SHIRT



# MULTIPACKED TO SAVE ON PACKAGING





7 PET BOTTLES ARE RECYCLED TO MAKE THIS VEST



NEW



Portwest Glowtex<sup>™</sup> Triple Technology uses the latest innovation in light emitting technology to ensure the wearer achieves the highest level of protection in high visibility apparel.



AFTERGLOW LASTS UP TO 6 HOURS BEFORE IT IS FULLY DISCHARGED



Brightly coloured fluorescent background fabric for complete conspicuity in daylight.



Very high performance HiVisTex retro reflective tape which bounces light back to the source and allows for superior visibility of the wearer in all weather conditions.



Light emitting Glowtex phosphorescence tape which accumulates the light in well lit places and emits light in very low or no light conditions – ie it glows in the dark. Lasts up to 6 hours once illuminated.



# GLOW TEX-



#### G470 **TRIPLE TECHNOLOGY VEST** EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 2 · Lightweight and comfortable

- Reflective tape for increased visibility Superior Glowtex triple technology for superior visibility
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort
- · Complies with EN ISO 20471 standard
- 100% Polyester Warp Knit, 125g XXL/3XL





# **X-RANGE** COVERALL

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#### E052 **X HI-VIS COVERALL** EN ISO 20471 CLASS 2

· Durable polyester/cotton fabric with Texpel stain resistant finish

245g

- · Reflective tape for increased visibility
- 5 pockets for ample storage
   Knitted cuff for comfort and warmth
- · Back patch pocket · Premium stain resistant finish repels oil, water and grime

Kingsmill: 65% Polyester, 35% Cotton, 245g

# **IDEAL FOR DEMANDING WORK ENVIRONMENTS**



# **X-RANGE** 3-IN-1 **BOMBER**

C565

to -40°C

12

CF

×50

8

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# **VISIBLE FROM ALL** DIRECTIONS



BACK OF JACKET







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3-IN-1

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OUTER JACKET WITHOUT 2 LINING

BODYWARMER





# HIGH UNDUSTRY LEADING HIGH VISIBILITY FABRICS VISIBILITY FABRICS VISIBILITY FABRICS VISIBILITY FABRICS

This great value workwear range is functional, comfortable to wear, fits extremely well and is suitable for multiple working environments. The colours and styles offered are perfect for corporate branding. Each garment has been carefully designed to include key features such as ergonomic kneepad pockets, secure storage pockets, rule pockets and twin stitched reinforced seams for extra durability.



These garments are made from durable, stain resistant 65% Polyester, 35% Cotton 245g Kingsmill<sup>™</sup> fabric. This tough premium certified fabric guarantees high performance and maximum wearer comfort.



Texpel<sup>™</sup> SOS, Splash, Oil and Stain is a premium fabric finish which repels oil and liquids, causing them to bead up and roll off the fabric surface. The finish also helps release stains in the washing process, keeping garments looking cleaner for longer.



Texpel<sup>™</sup> Wicking is a premium fabric finish which wicks moisture away from the skin to keep you fresh and comfortable. Offering powerful protection from stains, the fabric blocks bad odours and provides enhanced breathability.



Cotton Comfort fabric is manufactured from a 55% cotton, 45% polyester 175g fabric with cotton on the inside for comfort and polyester on the outside for maximum durability. The cotton/polyester mix ensures that the fabric is highly breathable and that a comfortable temperature is maintained at all times.



The Portwest high visibility MeshAir™ fabric is lightweight and fully breathable making it ideal for working in warmer conditions. The open mesh fabric uses an advanced open knit construction which provides full airflow around the body and excellent ventilation. The MeshAir high visibility fabric is fully tested and certified to EN ISO 20471.

# **JACKET AND TROUSER**







#### Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g Orange/Navy XS-4XL, Yellow/Navy XS-4XL, Orange/Navy Tall M-XXL,

Yellow/Navy Tall M-XXL









Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g Orange/Navy S-XXL, Yellow/Navy S-XXL

- Durable polyester/cotton fabric with Texpel stain resistant finish

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g







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TX71 247

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# PORTWEST



# TX70 MADRID HI-VIS JACKET EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 1 (ORANGE ONLY)

- Durable polyester/cotton fabric with Texpel stain resistant finish
- · Reflective tape for increased visibility
- · 4 pockets for ample storage
- Phone and pen holder pocket
  Twin-stitched seams for extra durability
- · Complies with RIS 3279-TOM for rail industry (orange only)

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g





**TROUSER AND BIB** 

**AND BRACE** 

# PORTWEST



#### TX71 SEVILLE HI-VIS TROUSERS EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 1 (ORANGE ONLY)

- Durable polyester/cotton fabric with Texpel stain resistant finish
   Reflective tape for increased visibility
- 5 pockets for ample storage
- · Twin-stitched seams for extra durability
- · Back pocket
- $\cdot\,$  Complies with RIS 3279-TOM for rail industry (orange only)

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g









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#### TX72 GIRONA HI-VIS BIB & BRACE EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 1 (ORANGE ONLY)

- $\cdot$  Durable polyester/cotton fabric with Texpel stain resistant finish
- · Reflective tape for increased visibility
- 7 pockets for ample storage
- Rule pocket
- · Elasticated back panel
- Complies with RIS 3279-TOM for rail industry (orange only)

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g





# HIGH VISIBILITY LEISUREWEAR





HIGH VISIBILITY ACCESSORIES 276

# MID LAYER WORKWEAR







**B308 XENON RUGBY SHIRT** EN ISO 20471 CLASS 3 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** 

- ANSI/ISEA 107 TYPE R CLASS 3
- Knitted fabric with brushed backing
- · Reflective tape for increased visibility
- · 1/4 length centre front zip for added comfort and versatility
- Reinforced panels in high wear areas for maximum durability



65% Polyester, 35% Cotton, 300g 100% Polyester Oxford 600D 210g Orange XS-4XL, Yellow XS-6XL









### **B315** HI-VIS TWO-TONE ZIPPED HOODIE

EN ISO 20471 CLASS 2: SIZES S-M EN ISO 20471 CLASS 3: SIZE L UPWARDS RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 2: SIZES S-M ANSI/ISEA 201 CLASS 3: SIZE L UPWARDS

- · Knitted fabric with brushed backing
  - · Heat applied reflective tape for added visibility · 2 pockets for secure storage
  - · Side access pockets

🗱 65% Polyester, 35% Cotton, 300g



Orange/Black S-5XL, Yellow/Black S-5XL





# EN ISO 20471 CLASS 3

RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 3 AS 4602.1 CLASS D/N

- Knitted fabric with brushed backing
- Reflective tape for increased visibility
- 1 pocket for secure storage
- Kangaroo pocket for ample storage

65% Polyester, 35% Cotton, 300g





- Reflective tape for increased visibility
- · Side access pockets
- · Front zip opening for easy access

2

RIS

65% Polyester, 35% Cotton, 300g





#### **B316 TWO-TONE HOODED SWEATSHIRT** EN ISO 20471 CLASS 3

**RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** 

- Knitted fabric with brushed backing
- · Reflective tape for increased visibility
- 1 pocket for secure storage Kangaroo pocket for ample storage

65% Polyester, 35% Cotton, 300g





#### **B317 TWO-TONE ZIP FRONT HOODIE** EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) AS 4602.1 CLASS D/N

- · Knitted fabric with brushed backing
  - Reflective tape for increased visibility 2 pockets for secure storage
  - · Side access pockets

65% Polyester, 35% Cotton, 300g





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**COMPATIBLE WITH PW3** 

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# **POLO SHIRT**



#### TWO-TONE POLO EN ISO 20471 CLASS 1 ANSI/ISEA 107 TYPE 0 CLASS 1

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances drying and aids stain removal
- Reflective tape for increased visibility
   Superior styling with a contrast collar and fluorescent stripe
- Contrast panels for protection against dirt
   Side vents for added comfort
- 100% Polyester, Bird Eye Knit, 175g □□□□□■ Orange/Navy XS-4XL, Yellow/Navy XS-5XL

## CERTIFIED AFTER 50X WASHES

# XS 5XL TEXPEL





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# TWO TONE COTTON COMFORT

EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- Reflective tape for increased visibility
   Superior styling with a contrast collar and
- fluorescent stripe • Side vents for added comfort
- $\cdot\,$  Designed with a comfort fit

55% Cotton, 45% Polyester, Knit, \_\_\_\_\_ 175g

Orange/Navy S-4XL, Yellow/Navy S-4XL





# **T-SHIRT**





- Quality wicking fabric finish enhances drying and aids stain removal
- · Reflective tape for increased visibility



100% Polyester, Bird Eye Knit, 150g Red S-3XL







#### C394 MESH T-SHIRT EN ISO 20471 CLASS 2

- **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**
- Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Underarm cool flow mesh panel for ventilation
- · Reflective tape for increased visibility

55% Cotton, 45% Polyester, Knit, 175g 100% Polyester Mesh 125g Orange S-3XL, Yellow S-3XL



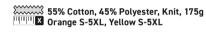


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#### **S170** COTTON COMFORT SHORT SLEEVE T-SHIRT EN ISO 20471 CLASS 2

RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 2

- · Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Reflective tape for increased visibility
- · Crew neck









4Q

#### S172 COTTON COMFORT T-SHIRT

EN ISO 20471 CLASS 2 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** 

- Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Reflective tape for increased visibility
- · Crew neck

55% Cotton, 45% Polyester, Knit, 175g Orange XS-4XL, Yellow XS-4XL





# **T-SHIRT**



- from the body keeping the wearer cool, dry and comfortable · Quality wicking fabric finish enhances fabric
- drying and aids stain removal
- · Reflective tape for increased visibility
- Generous fit for wearer comfort
- · Crew neck

48

CE

HS

UP

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· 40+ UPF rated fabric to block 98% of UV rays

100% Polyester, Bird Eye Knit, 150g Orange XS-5XL





# UNDERARM MESH PANEL T-SHIRT

S378 257

ISAMD

A722 710

NEW

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40. UPF

#### V-NECK MESH INSERTS T-SHIRT

#### EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- Tape free side mesh panels offer unrestricted movement and enhanced breathability
- · Modern styling with V-neck
- · CE certified
- · Certified to EN ISO 20471 after 50x washes

55% Cotton, 45% Polyester, 175g 100% Polyester Mesh 125g Orange S-4XL, Yellow S-4XL



# TWO TONE T-SHIRT



#### S378 TWO TONE T-SHIRT EN ISO 20471 CLASS 2

RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 2

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances drying and aids stain removal
   Reflective tape for increased visibility
- Certified to EN ISO 20471 after 50x washes
- $\cdot\,$  Generous fit for wearer comfort
- Complies with RIS 3279-TOM for rail industry (orange only)

100% Polyester, Bird Eye Knit, 150g Yellow/Navy S-6XL, Orange/Navy S-3XL







#### C395 TWO-TONE MESH T-SHIRT EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- Moisture wicking fabric helping to keep the body cool and dry
- High cotton content for superior comfort
- $\cdot$  Underarm cool flow mesh panel for ventilation
- · Reflective tape for increased visibility

55% Cotton, 45% Polyester, Knit, 175g 100% Polyester Mesh 125g Orange/Navy S-3XL, Yellow/Navy S-3XL



PORTWEST

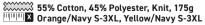
PORTWEST



#### S173 TWO TONE COTTON COMFORT T-SHIRT EN ISO 20471 CLASS 2

#### RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- · Moisture wicking fabric helping to keep the body cool and dry
- · High cotton content for superior comfort
- · Reflective tape for increased visibility
- · Contrast panels for protection against dirt







# LONG SLEEVED **POLO SHIRT**







XS

258

#### S277 HI-VIS LONG SLEEVED POLO

EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 3 AS 4602.1 CLASS D/N

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances drying and aids stain removal
- · Ribbed cuffs for added comfort
- · Reflective tape for increased visibility

100% Polyester, Bird Eye Knit, 175g Orange XS-6XL, Yellow XS-6XL





#### S279 TWO-TONE LONG SLEEVED POLO

EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 2

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- · Quality wicking fabric finish enhances drying and aids stain removal · Reflective tape for increased visibility
- · Contrast panels for protection against dirt

100% Polyester, Bird Eye Knit, 175g Orange/Navy S-4XL, Yellow/Navy S-4XL



# LONG SLEEVED **T-SHIRT**

## S278 48

#### **HI-VIS LONG SLEEVED T-SHIRT** EN ISO 20471 CLASS 3 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** ANSI/ISEA 107 TYPE R CLASS 3

Moisture wicking fabric helping to keep the body cool and dry

- · High cotton content for superior comfort
- · Reflective tape for increased visibility
- · Taped neck seam for extra comfort · Designed with a comfort fit
- · Crew neck

55% Cotton, 45% Polyester, Knit, 175g Orange S-3XL, Yellow S-3XL







#### S178 HI-VIS LONG SLEEVED T-SHIRT EN ISO 20471 CLASS 3

#### **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances drying and aids stain removal
- · Reflective tape for increased visibility
- · Taped neck seam for extra comfort

100% Polyester, Bird Eye Knit, 150g





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#### S280 TWO-TONE LONG **SLEEVED COTTON COMFORT T-SHIRT** EN ISO 20471 CLASS 2

- **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**
- · Moisture wicking fabric helping to keep the body cool and dry High cotton content for superior comfort
- Reflective tape for increased visibility
- · Contrast panels for protection against dirt



55% Cotton, 45% Polyester, Knit, 175g Orange/Navy S-3XL, Yellow/Navy S-3XL





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# JACKET AND TROUSER





#### RT40 HI-VIS POLY-COTTON JACKET EN ISO 20471 CLASS 3

#### RIS 3279 TOM ISSUE 1 (ORANGE ONLY)

- $\,\cdot\,$  Durable polyester/cotton fabric with Texpel stain resistant finish
- Premium stain resistant finish repels oil, water and grime
- 3 pockets for ample storage
- Reflective tape for increased visibility
- · Side elastic waist for ultimate wearer comfort
- $\cdot \,$  Bartacked at all stress points

80% Polyester, 20% Cotton, 280g



#### RT46 RAIL COMBAT TROUSER

EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 1 (ORANGE ONLY)

- $\cdot\,$  Durable polyester/cotton fabric with Texpel stain resistant finish
- Reflective tape for increased visibility
- 9 pockets for ample storage
- Two back patch pockets
- · Rule pocket
- $\cdot\,$  Handy waistband D ring for keys or ID cards

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g

## **ADVANCED STAIN, OIL AND SPLASH REPELLENT FINISH**















### LW71 WOME

UP

XS

#### WOMEN'S HI-VIS TROUSER EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 1 (ORANGE ONLY)

- Durable polyester/cotton fabric with Texpel stain resistant finish
- Reflective tape for increased visibility
   7 pockets for ample storage
- 7 pockets for ample storage
- Internal kneepad pockets for better appearance
- $\cdot \,$  Easy access cargo pockets
- · Reflective piping for increased visibility
- Kingsmill: 65% Polyester, 35% Cotton, 245g
  - Adjustable: 76cm inside leg extending to 81cm

KINGSMILL

POLY-COTTON

#### RT49 HI-VIS THREE BAND COMBAT

24

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9

#### TROUSER EN ISO 20471 CLASS 2

- RIS 3279 TOM ISSUE 1 (ORANGE ONLY)
- Durable polyester/cotton fabric with Texpel stain resistant finish
- Reflective tape for increased visibility
   9 pockets for ample storage
- UPF · Handy waistband D ring for keys or ID cards Bartacked at all stress points
  - Triple-stitched seams for extra durability

Kingsmill: 65% Polyester, 35% Cotton, 245g



TEXPEL





- Durable polyester/cotton fabric with Texpel stain resistant finish
- · Reflective tape for increased visibility
- 11 pockets for ample storage
- · Easy access cargo pockets
- Two back zip pockets

UPI

11

 Reinforced seams for extra durability and strength

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 245g



# **HI-VIS TROUSER**







300g



· Double rule pocket

Kingsmill: 65% Polyester, 35% Cotton, 245g Yellow XS-4XL

#### **RT48 HI-VIS JOGGING BOTTOMS** EN ISO 20471 CLASS 2 **RIS 3279 TOM ISSUE 1 (ORANGE ONLY)**

- Knitted fabric with brushed backing
- Reflective tape for increased visibility
- 5 pockets for ample storage
- Water resistant knee patches
- Drawcord adjustable waist for a comfortable fit
- Elasticated hem for a secure and comfortable fit

🗱 65% Polyester, 35% Cotton, 300g Orange S-XXL



#### E049 **HI-VIS TWO TONE COMBAT** TROUSER EN ISO 20471 CLASS 1 **ANSI/ISEA 107 SUPPLEMENTAL CLASS E** · Durable polyester/cotton fabric with Texpel stain resistant finish · Reflective tape for increased visibility · 8 pockets for ample storage UPF Rule pocket

- · D-ring for keys or ID cards
  - · Two back patch pockets
- Kingsmill: 65% Polyester, 35% Cotton, 245g
- Orange/Navy S-XXL, Yellow/Navy S-XXL, Yellow/Navy Tall M-XXL





# **HI-VIS POLY-COTTON TROUSER AND SHORTS**

245g

280g







- · Side access pockets
- Jetted back pocket
- · Bartacked at all stress points

80% Polyester, 20% Cotton, 280g Orange XS-5XL, Orange Tall S-XXL

#### E041 **HI-VIS POLY-COTTON** TROUSER

#### EN ISO 20471 CLASS 1 **RIS 3279 TOM ISSUE 1 (ORANGE ONLY)** ANSI/ISEA 107 SUPPLEMENTAL CLASS E

- Durable polyester/cotton fabric with Texpel stain resistant finish
- Reflective tape for increased visibility 3 pockets for ample storage
- · Jetted back pocket

×50

- Side access pockets
- Bartacked at all stress points

🗱 80% Polyester, 20% Cotton, 280g Yellow S-3XL, Orange S-XXL



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#### Kingsmill: 65% Polyester, 35% Cotton, 245g

Orange/Navy XS-3XL, Yellow/Grey XS-3XL, Yellow/Navy XS-3XL







# BALLISTIC TROUSER

24

×50

UPF

#### **S919** HI-VIS BALLISTIC TROUSER

EN ISO 20471 CLASS 1 EN388:2016 +A1:2018 LEVEL 1

 Durable polycotton fabric for high performance and maximum wearer comfort
 Reflective tape for increased visibility

- Reflective tape for increased
   7 pockets for ample storage
- Two back patch pockets
- $\cdot \,$  Half elasticated waist for a secure and
- comfortable fit

  Adjustable hem to accommodate all leg lengths

Kingsmill: 65% Polyester, 35% Cotton, 245g 100% Nylon 235g Orange/Navy S-3XL







# **BIB AND BRACE AND COVERALL**







# **RT43**

#### **HI-VIS BIB & BRACE RIS** EN ISO 20471 CLASS 2 **RIS 3279 TOM ISSUE 1 (ORANGE ONLY)**

Durable polyester/cotton fabric with Texpel stain resistant finish

- · Reflective tape for increased visibility
- 7 pockets for ample storage
- · Side access pockets
- · Adjustable side opening for added flexibility
- · Adjustable straps with durable buckle closure

80% Polyester, 20% Cotton, 280g



#### **RT42**

#### **HI-VIS POLY-COTTON COVERALL RIS** EN ISO 20471 CLASS 3 **RIS 3279 TOM ISSUE 1 (ORANGE ONLY)**

- · Durable polyester/cotton fabric with Texpel stain resistant finish
- · Reflective tape for increased visibility

PBI

- · 4 pockets for ample storage
- · Side access pockets
- · Rule pocket
- · Back elastic for ease of movement

80% Polyester, 20% Cotton, 280g Orange XS-5XL, Orange Tall M-3XL





# EXECUTIVE **VEST**

PW309





#### PW309 PW3 HI-VIS EXECUTIVE VEST EN ISO 20471 CLASS 2

- · Lightweight and comfortable
- Heat applied segmented reflective tape for added visibility

NEW

- Front zip opening for easy access
- 7 pockets for ample storage · Phone and pen holder pocket
- · Detachable ID pocket

100% Polyester Warp Knit, 125g

# 4XL





#### C357 HI-VIS EXECUTIVE VEST WITH TABLET POCKET EN ISO 20471 CLASS 2

- RIS 3279 TOM ISSUE 2 (ORANGE ONLY)
- · Front zip opening for easy access
- 7 pockets for ample storage
- · External tablet pocket for safe storage • Two lower patch pockets

100% Polyester Warp Knit, 124g



# **EXECUTIVE VEST**













#### C376 ATHENS MeshAir EXECUTIVE VEST EN ISO 20471 CLASS 2 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**

- Cooling mesh fabric for increased breathability
- · Front zip opening for easy access
- 7 pockets for ample storage
- · Two lower patch pockets

MeshAir Hi-Vis: 100% Polyester Mesh, 150g









#### C496 MADRID EXECUTIVE MESH VEST EN ISO 20471 CLASS 1

- ANSI/ISEA 107 TYPE R CLASS 2 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**
- · Cooling mesh upper torso for increased breathability · Front zip opening for easy access · 7 pockets for ample storage
- · Two lower patch pockets



100% Polyester, Warp Knit, 125g 100% Polyester Mesh 110g Crange S-3XL, Yellow XS-4XL



## **EXECUTIVE VEST**









#### C377 HI-VIS TWO TONE MeshAir EXECUTIVE VEST EN ISO 20471 CLASS 1

- · Cooling mesh fabric for increased breathability
- $\cdot$  Reflective tape for increased visibility
- $\cdot$   $\,$  Front zip opening for easy access
- · 7 pockets for ample storage
- · Two lower patch pockets
- Phone and pen holder pocket

MeshAir Hi-Vis: 100% Polyester Mesh, 150g





#### S376 PRAGUE EXECUTIVE VEST EN ISO 20471 CLASS 2

- · Front zip opening for easy access
- 7 pockets for ample storage
- Two lower patch pockets
- · Phone and pen holder pocket
- Dual ID holder allows use of both portrait and landscape ID card display
- Radio loop for easy clipping of a radio

100% Polyester, Warp Knit, 125g



#### C276 PARIS EXECUTIVE VEST EN ISO 20471 CLASS 1

- $\cdot$  Contrast panels for protection against dirt
- Front zip opening for easy access
- · 7 pockets for ample storage
- Two lower patch pockets
- Phone and pen holder pocket
- Dual ID holder allows use of both portrait and landscape ID card display

100% Polyester, Warp Knit, 125g



## BAND AND BRACE VEST



#### C375 HI-VIS ZIPPED BAND & BRACE VEST EN ISO 20471 CLASS 2

#### RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

#### · Lightweight and comfortable

- · Reflective tape for increased visibility
- · Front zip opening for easy access
- · Designed with a comfort fit
- · Certified to EN ISO 20471 after 50x washes
- $\cdot\,$  Complies with RIS 3279-TOM for rail industry (orange only)

## 100% Polyester, Warp Knit, 125g





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|-----------|--|
| UK<br>CA  |  |
| CE        |  |

#### C370 MESHAIR BAND & BRACE VEST RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

EN ISO 20471 CLASS 2

- · Cooling mesh fabric for increased breathability
- · Reflective tape for increased visibility
- Hook and loop closure for easy access
- · Generous fit for wearer comfort
- · Certified to EN ISO 20471 after 50x washes
- · Complies with RIS 3279-TOM for rail industry (orange only)

MeshAir Hi-Vis: 100% Polyester Mesh, 150g







#### C470 HI-VIS TWO BAND & BRACE VEST EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ANSI/ISEA 107 TYPE R CLASS 2

- Lightweight and comfortable
- Reflective tape for increased visibility
- Hook and loop closure for easy access
- Generous fit for wearer comfort
- Certified to EN ISO 20471 after 50x washes
- Complies with RIS 3279-TOM for rail industry (orange only)







# **VEST**

C494

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EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- · Cooling mesh fabric for increased breathability
- · Reflective tape for increased visibility
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort
- · Available in sizes up to 5XL
- · CE certified

#### MeshAir Hi-Vis: 100% Polyester Mesh, 150g Virange S/M-4XL/5XL, Yellow S/M-

4XL/5XL





# VEST



#### C475 HI-VIS VEST - DUAL ID HOLDER

#### EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- · Lightweight and comfortable
- Reflective tape for increased visibility
- · Hook and loop closure for easy access
- Dual ID holder allows use of both portrait and landscape ID card display
- · Generous fit for wearer comfort
- · Certified to EN ISO 20471 after 50x washes

## 100% Polyester, Warp Knit, 125g







×50

#### C474 HI-VIS TWO BAND VEST RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

- EN ISO 20471 CLASS 2
   Lightweight and comfortable
- Reflective tape for increased visibility
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort
- Certified to EN ISO 20471 after 50x washes
   Complies with RIS 3279-TOM for rail industry (orange only)

Context 100% Polyester, Warp Knit, 125g
Conange S/M-4XL/5XL, Yellow S/M-4XL/5XL
Red S/M-XXL/3XL

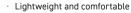






#### C472 HI-VIS ONE BAND & BRACE VEST ANSI/ISEA 107 TYPE R CLASS 2

EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)



- · Reflective tape for increased visibility
- Hook and loop closure for easy access
- · Generous fit for wearer comfort
- · Certified to EN ISO 20471 after 50x washes
- $\cdot\,$  Complies with RIS 3279-TOM for rail industry (orange only)

100% Polyester, Warp Knit, 125g





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#### KS63 **HI-VIS TOOLVEST**

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- EN ISO 20471 CLASS 2
- · Durable polycotton fabric for high performance and maximum wearer comfort · Reflective tape for increased visibility
- 10 pockets for ample storage
- · Dual ID holder allows use of both portrait
- and landscape ID card display
- · Zipped pockets Adjustable waist for a perfect fit

Kingsmill: 65% Polyester, 35% Cotton, 245g Yellow M-XXL

#### C484 HI-VIS TWO TONE VEST 100 EN ISO 20471 CLASS 1

- Lightweight and comfortable
- · Reflective tape for increased visibility
- · Contrast panels for protection against dirt Hook and loop closure for easy access
- Generous fit for wearer comfort
- Certified to EN ISO 20471 after 50x washes

100% Polyester, Warp Nill, 1409 Yellow/Navy S/M-XXL/3XL, Yellow/ Royal S/M-XXL/3XL

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#### C481 **TWO TONE HI-VIS VEST** EN ISO 20471 CLASS 2

100

- · Lightweight and comfortable
- Reflective tape for increased visibility
- · Contrast colouring for added style
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort Certified to EN ISO 20471 after 50x washes

100% Polyester, Warp Knit, 125g

KINGSMILL 272

# **JACKET AND VEST**







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**S475 HI-VIS EXECUTIVE JACKET** EN ISO 20471 CLASS 3

#### **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**

- · Front zip opening for easy access
- · 7 pockets for ample storage
- · Two lower patch pockets
- · Phone and pen holder pocket
- · Dual ID holder allows use of both portrait and landscape ID card display
- · Hook and loop cuffs for a secure fit

100% Polyester, Warp Knit, 125g Orange S-3XL, Yellow S-3XL



- · Lightweight and comfortable
- · External tablet pocket for safe storage
- · Generous fit for wearer comfort
- · Certified to EN ISO 20471 after 50x washes · CE certified
- Yellow S-3XL

×50

## 100% Polyester Warp Knit, 125g

NEW

# **ENHANCED VISIBILITY VEST**



- · Hook and loop closure for easy access
- · Available in an excellent choice of corporate colours
- · Generous fit for wearer comfort
- · This product does not comply with ANSI/ISEA 107-2015
- 100% Polyester, Warp Knit, 125g Red, Royal Blue, White





100

| F374 | MeshAir | IONA | VEST |
|------|---------|------|------|
|------|---------|------|------|

- EN 17353 TYPE B3
- · Reflective tape for increased visibility
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort
- MeshAir: 100% Polyester Mesh, 150g S/M-XXL/3XL





# **INCREASED VISIBILITY VEST**





## EN ISO 20471 CLASS 2

**RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** 

- Reflective tape for increased visibility
- Front zip opening for easy access
- · 4 Point break away function at the shoulders and side seams
- · Half elasticated waist for a secure and comfortable fit
- · Complies with RIS 3279-TOM for rail industry (orange only)
- · Certified to EN ISO 20471 after 50x washes

100% Polyester, Warp Knit, 160g Orange S-4XL



# JUNIOR

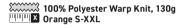




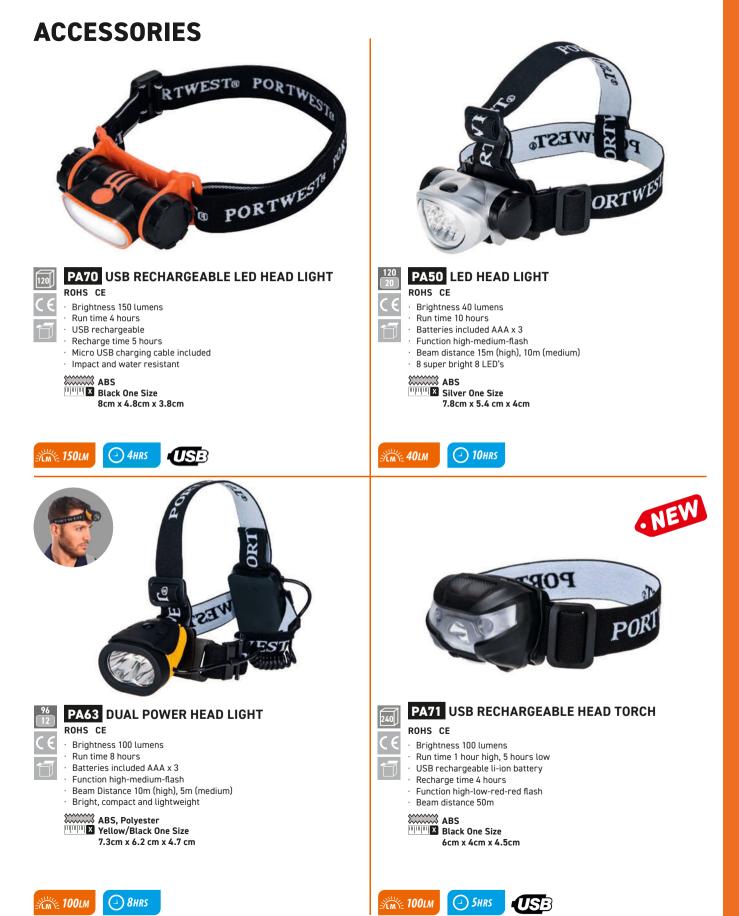


#### **RT26** EXECUTIVE RAIL VEST RIS EN ISO 20471 CLASS 2

- **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)**
- · Front zip opening for easy access
- · 4 Point break away function at the shoulders and side seams
- · 7 pockets for ample storage
- · Two lower patch pockets
- · Phone and pen holder pocket
- · Radio loop for easy clipping of a radio







# ACCESSORIES



# **ACCESSORIES**





#### HB10 HI-VIS BASEBALL CAP

- Cooling mesh fabric for increased breathability
- · Reflective trim for increased visibility and safety
- · Adjustable strap fastening for flexible sizing
- · Air vents for extra breathability

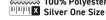
🗱 65% Polyester, 35% Cotton, 245g Orange/Navy One Size, Yellow/Navy One Size





#### HB11 REFLECTIVE BASEBALL CAP

- Adjustable strap fastening for flexible sizing
- · Air vents for extra breathability · Twin-stitched seams for extra durability
- 2000 100% Polyester, 288g





# HS

- · Heat applied reflective tape for added visibility
- · 4 x metal clip attachment for a secure fit to trousers
- · Adjustable straps for a secure fit
- · Elasticated straps

EN 13356

100% Polyester



120 HV55 HI-VIS STRAP EN 13356

- · Durable polyester PVC coated fabric
- · Reflective tape for increased visibility
- · Waist and shoulder band width 75mm
- · Adjustable hook and loop fastening for flexible sizing

100% Polyester, PVC Coated, 190g Orange One Size, Yellow One Size





- ID40 ID HOLDER (TPU)
- ID card holder for ID card display Loop with ring stud fastening can be
- attached to many styles Tested to -30° celsius ISO 4675 low temperature test for extreme cold
- conditions 100% Polyester 300D Oxford Weave,

PU Coated, 190g Black One Size



#### EN ISO 20471

- · Length 100m, Width 50mm Complies with EN ISO 20471 standard
- 🛱 Woven Polyester-Cotton

Silver One Size

#### HF50 HI-VISTEX FLAME 8 **RESISTANT REFLECTIVE TAPE** 100M FR

#### EN ISO 20471 EN ISO 14116

- · Premium sew on flame resistant reflective tape
- · Length 100m, Width 50mm
- · Complies with EN ISO 20471 standard

🗱 Woven Polyester-Cotton Silver One Size

# FLAME RESISTANT INNOVATIVE FABRICS OFFERING MAXIMUM PROTECTION

\*

This industry leading flame resistant range provides multi standard protection for hazardous environments. These state of the art products are the result of years of experience combined with advanced technology and market research. Commitment to the health, safety and comfort of the wearer can be seen in the wide range of products suitable for all climates and end uses.



Araflame<sup>™</sup> is an inherent flame resistant fabric, made from Aramid fibres. It is extremely flame resistant, lightweight, offers high tensile strength and full anti static protection.



Modacrylic fibres provide inherent flame resistance and excellent dimensional stability. This low-density fabric offers exceptional flame-resistant properties whilst being light and comfortable to wear. High cotton content adds warmth, comfort and a soft handle. Carbon fibre woven into the fabric gives inherent anti-static properties



Bizflame™ has a proprietary flame resistant finish which, when applied to fabric, gives excellent flame resistance. All of the Bizflame fabrics use the highest quality raw materials, ensuring the perfect balance of comfort and strength.



Bizweld<sup>TM</sup> 100% cotton 330g fabric is completely flame resistant. All Bizweld garments offer excellent flame and molten splash protection for welding, foundries and allied industries.



Sealtex<sup>™</sup> Flame fabric is constructed from a flame resistant, PU coated, polyester fabric 260g. Lightweight and durable Sealtex Flame is designed to offer full protection against adverse weather conditions and flame hazards.

# ARAFLAME



## ULTIMATE INHERENT FLAME PROTECTION



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 ASTM F1959

## Araflame Plus 150g, 260g

Constructed from 93% Meta-aramid which provides outstanding heat and flame resistance combined with 5% Para-aramid for strength. Araflame Plus is inherently anti static by incorporating 2% carbon fibre.

Araflame Plus is an inherently flame resistant fabric developed for excellence, using innovative technology. The FR properties are permanent and will not diminish with washing.

- Flame Resistant certification and standards exceed international safety standards for flame, electric arc and welding protection (EN ISO 11612, EC 61482-2, ASTM F1959 & EN ISO 11611).
- Inherently Flame Resistant Araflame guaranteed to hold its flame resistant properties indefinitely after multiple washes.
- Extremely robust Araflame will not ignite, melt or shrink when exposed to heat.
- Anti static properties exceeding EN1149-5.
- Exceptional tensile strength ensures the fabric can withstand the most challenging work environments.
- Preshrunk and colour fastness, this fabric has high shrink resistance and won't lose its colour after multiple washes.
- Outstanding results for burn injury prediction when tested to the optional test ISO 13506 under EN ISO 11612.

# MODAFLAME<sup>™</sup>

## PREMIUM INHERENT FLAME PROTECTION





#### Inherently Flame Resistant Modaflame 280g

Modaflame is an inherently flame resistant fabric. This high specification fabric is constructed from an inherently flame resistant yarn, composed of a special blend of 60% modacrylic fibre, 39% cotton and 1% carbon fibre.



#### Modaflame Knit 200g, 280g, 300g

Constructed from an inherently fire resistant yarn of 60% modacrylic, 39% cotton and 1% carbon fibre. Tested to exceed the required EN Standards, the Modaflame Knit range is strong, durable and highly innovative.





#### High Visibility Modaflame 210g, 280g, 300g

Available in both woven and knit fabrics to EN ISO 20471 standard. Constructed from an inherently fire resistant yarn of 60% modacrylic, 39% cotton and 1% carbon fibre.



#### Hi-Vis Orange Modaflame HVO Woven 300g

Constructed from 61% modacrylic, 18% viscose, 15% polyester, 5% aramid, 1% carbon fibre, Modaflame HVO woven uses advanced technology to provide protection in a multi-risk environment.



#### Modaflame HVO Knit 220g, 300g

Modaflame HVO Knit provides inherent flame resistance, high visibility and anti static protection. The high performance fibres are blended without any chemical treatment giving Modaflame HVO Knit it's unparalleled soft, natural touch and appearance.



#### Modaflame Rain 350g

Constructed from 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating, bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight 350g. The fabric offers great flame, chemical, electric arc and waterproof protection whilst ensuring high visibility day and night.



#### Modaflame Softshell 350g

Constructed from 100% Polyester that is laminated to a TPU flame resistant membrane and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece, total weight 350g. This multi norm 3 layer softshell fabric is the latest evolution offering excellent flame, chemical, electric arc and waterproof protection whilst ensuring high visibility day and night.



# BZFLAME



## PREMIUM FLAME RESISTANCE





# Flame Resistant Bizflame Plus 350g, 280g, 210g, 160g

Bizflame<sup>™</sup> has a proprietary flame resistant finish which, when applied to fabric, gives excellent flame resistance. All of the Bizflame fabrics use the highest quality raw materials, ensuring the perfect balance of comfort and strength.

- High ATPV on Bizflame Plus fabric.
- Outstanding results for burn injury prediction when tested to the optional test ISO 13506 under EN ISO 11612.
- Anti-Static carbon fibres provide built in anti-static properties exceeding EN1149-5 standard.
- Exceptional tensile strength ensures the fabric can withstand superior job-rated abrasion and tear resistance.
- High level of breathability and moisture wicking properties provides lasting comfort for the wearer.

#### **BURN INJURY PREDICTION TESTING:**

Testing Bizflame fabric (style FR50) to ISO 13506 at BTTG Fire Technology Services (four seconds).

Testing is carried out after exposure to flame engulfment for a period of four seconds on a fully clothed manikin with data collected for 60 seconds after the burn.



AFTER OF THE AFTER

**OTHER BIZFLAME FABRICS:** 











100% POLYESTER, WARP KNITTED

100% COTTON



ANTI-STATIC " BIZFLAME FLAME-RESISTANT CHEMICAL RESISTANT BIZFLAME



FLAME-RESISTANT

80% COTTON, 19% POLYESTER, 1% ANTISTATIC CARBON FIBRE, TWO-LAYER PTFE LAMINATION, PU COATED, FLUOROCARBON FINISH

98% POLYESTER, 2% ANTISTATIC CARBON FIBRE, BREATHABLE, PU COATED

99% COTTON, 1% CARBON FIBRE

# BZWELD

# MAXIMUM FLAME AND WELDING PROTECTION





### Flame Resistant Bizweld 100% Cotton 330g

Bizweld is a proprietary, flame resistant, 100% high grade cotton fabric. This is a high technology fabric developed for maximum performance, comfort and durability.

Bizweld is made from 100% ringspun cotton yarns offering excellent pilling resistance while guaranteeing comfort, warmth and protection for the wearer. The finish applied to the fabric ensures it will hold its flame resistant protective properties for at least 50 washes (EN standards) and 100 washes (US standards).

Bizweld fabric is independently tested & certified to exceed the international safety standards for flame and welding protection. This fabric is globally available and is worn with confidence by thousands of workers across the oil and gas, welding and allied industries.

- Outstanding flame-resistant performance exceeds international safety standards for flame & welding protection (EN ISO 11612 & EN ISO 11611).
- Provides exceptional protection against radiant, convective and contact heat as well as molten metal splashes.
- Provides 11.2 CAL/CM<sup>2</sup> electric arc protection.
- Provides a high level of protection against molten metal splashes. Ideal for welding and allied processes.
- Outstanding results for burn injury prediction when tested to the optional test ISO 13506 under EN ISO 11612.



# OUTSTANDING LAYERED **FULL BODY** PROTECTION

Portwest offers a complete range of flame resistant safety garments, which when layered together offer exceptional heat, flame and Arc protection.

## Leading Range of Multi **Standard** Products Outerwear Protection

Inner Protection

skin

### The Power **Of Layering**

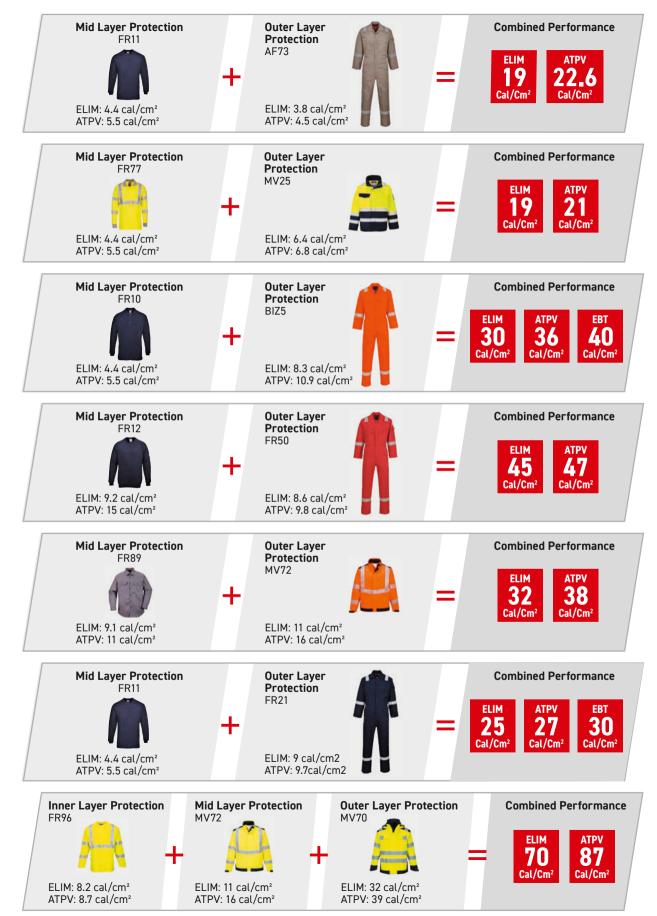
FR60

FR11

### Benefits of Layering

- Layering provides increased performance and comfort.
- Layering garments can also increase the total arc protective ratings to levels greater than the sum of individual arc ratings.
- Layering also allows for guick adjustments based on the level of protection needed for different tasks.

\*



<u>\*</u>

### **ARC RATING FOR SINGLE GARMENTS**

|                       |         |       |                                                                         |        |      | IEC 61482-2 IEC 61482-1-1 IEC 61482-1-2 |                   |                  | NFPA70                | E                 |            |
|-----------------------|---------|-------|-------------------------------------------------------------------------|--------|------|-----------------------------------------|-------------------|------------------|-----------------------|-------------------|------------|
|                       |         |       |                                                                         |        |      |                                         | IEC 61482-1-      | 1                | IEC 61482-1-2         | ASTM<br>F1959     |            |
| BRAND                 |         | STYLE | DESCRIPTION                                                             | WEIGHT | PAGE | ELIM<br>(cal/cm²)                       | ATPV<br>(cal/cm²) | EBT<br>(cal/cm²) | APC<br>(Class 1 or 2) | ATPV<br>(cal/cm²) | PPE<br>CAT |
| Araflame Plus         |         | AF53  | Araflame Gold Coverall                                                  | 150g   | 300  | 3.8                                     | 4.5               |                  |                       | 5.9               | 1          |
| Araflame Plus         |         | AF73  | Araflame Silver Coverall                                                | 150g   | 301  | 3.8                                     | 4.5               |                  |                       | 5.9               | 1          |
| Modaflame HV<br>Woven | /0      | MV35  | Modaflame RIS Orange/Navy Jacket                                        | 300g   | 308  | 7                                       | 8                 |                  | 1                     | 8.1               | 2          |
| Modaflame HV<br>Woven | /0      | MV36  | Modaflame RIS Orange/Navy Trouser                                       | 300g   | 308  | 7                                       | 8                 |                  | 1                     | 8.1               | 2          |
| Modaflame HV<br>Woven | /0      | MV91  | Modaflame RIS Orange Coverall                                           | 300g   | 309  | 7                                       | 8                 |                  | 1                     | 8.1               | 2          |
| Modaflame HV<br>Woven | /0      | MV29  | Modaflame RIS Navy/Orange Coverall                                      | 300g   | 309  | 7                                       | 8                 |                  | 1                     | 8.1               | 2          |
| Modaflame             |         | FR602 | WX3 FR Work Jacket                                                      | 280g   | 313  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame             |         | FR402 | WX3 FR Service Trouser                                                  | 280g   | 313  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame             |         | FR503 | WX3 FR Coverall                                                         | 280g   | 314  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame             |         | MV25  | Hi-Vis Modaflame Jacket                                                 | 280g   | 310  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame             |         | MV26  | Hi-Vis Modaflame Trouser                                                | 280g   | 310  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame             |         | MV46  | Hi-Vis Modaflame Trouser                                                | 280g   | 311  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame             |         | MV28  | Hi-Vis Modaflame Coverall                                               | 280g   | 311  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame             |         | MX28  | Modaflame Coverall                                                      | 280g   | 314  | 6.4                                     | 6.8               |                  | 1                     | 8.4               | 2          |
| Modaflame HV          | /0 Knit | FR76  | Flame Resistant RIS Polo Shirt                                          | 220g   | 315  |                                         |                   |                  | 1                     | 6                 | 1          |
| Modaflame Kn          | it      | FR74  | Flame Resistant Anti-Static Two Tone Polo Shirt                         | 210g   | 318  | 4.4                                     | 5.5               |                  | 1                     | 4.3               | 1          |
| Modaflame Kn          | nit     | FR72  | Flame Resistant Anti-Static Hi-Vis Sweatshirt                           | 300g   | 319  | 9.2                                     | 15                |                  | 1                     | 16                | 2          |
| Modaflame Kn          | nit     | FR31  | Flame Resistant Anti-Static Hi-Vis Fleece                               | 280g   | 319  | 5.9                                     |                   | 6.4              | 1                     |                   |            |
| Modaflame Kn          | it      | FR96  | FR Hi-Vis Long Sleeve T-Shirt                                           | 280g   | 316  | 8.2                                     | 8.7               |                  | 1                     | 9                 | 2          |
| Modaflame Kn          | iit     | FR77  | Flame Resistant Anti-Static Hi-Vis Long Sleeve Polo<br>Shirt            | 210g   | 316  | 4.4                                     | 5.5               |                  | 1                     | 4.3               | 1          |
| Modaflame Kn          | it      | FR701 | WX3 Flame Resistant Hi-Vis T-Shirt                                      | 210g   | 317  | 4.4                                     | 5.5               |                  |                       | 4.3               | 1          |
| Modaflame Kn          | it      | FR702 | WX3 Flame Resistant Hi-Vis Polo Shirt                                   | 210g   | 317  | 4.4                                     | 5.5               |                  |                       | 4.3               | 1          |
| Modaflame Kn          | it      | FR11  | Flame Resistant Anti-Static Long Sleeve T-Shirt                         | 200g   | 322  | 4.4                                     | 5.5               |                  | 1                     | 4.3               | 1          |
| Modaflame Kn          | it      | FR14  | Flame Resistant Anti-Static Leggings                                    | 200g   | 322  | 4.4                                     | 5.5               |                  | 1                     | 4.3               | 1          |
| Modaflame Kn          | iit     | FR12  | Flame Resistant Anti-Static Long Sleeve Sweatshirt                      | 300g   | 320  | 9.2                                     | 15                |                  | 1                     | 16                | 2          |
| Modaflame Kn          | iit     | FR10  | Flame Resistant Anti-Static Long Sleeve Polo Shirt                      | 200g   | 320  | 4.4                                     | 5.5               |                  | 1                     | 4.3               | 1          |
| Modaflame Kn          | iit     | FR03  | Flame Resistant Anti-Static Long Sleeve Polo Shirt with Reflective Tape | 200g   | 320  | 4.4                                     | 5.5               |                  | 1                     | 4.3               | 1          |
| Modaflame Kn          | it      | FR81  | FR Zip Front Hooded Sweatshirt                                          | 300g   | 321  | 9.2                                     | 15                |                  | 1                     | 16                | 2          |
| Modaflame Kn          | nit     | FR30  | Flame Resistant Anti Static Fleece                                      | 280g   | 321  | 5.9                                     |                   | 6.4              | 1                     |                   |            |
| Modaflame Kn          | nit     | FR18  | Flame Resistant Anti-Static Balaclava                                   | 200g   | 323  |                                         |                   |                  |                       | 4.3               | 1          |
| Modaflame Kn          | nit     | FR19  | Flame Resistant Anti-Static Neck Tube                                   | 200g   | 323  |                                         |                   |                  |                       | 4.3               | 1          |
| Modaflame Kn          | nit     | FR09  | FR Anti-Static Balaclava                                                | 300g   | 323  |                                         |                   |                  |                       | 16                | 2          |
| Modaflame Kn          | it      | FR20  | FR Anti-Static Balaclava Hood                                           | 300g   | 323  |                                         |                   |                  |                       | 16                | 2          |
| Modaflame Ra          | in      | MV70  | Modaflame Rain Multi Norm Arc Jacket                                    | 350g   | 304  | 32                                      | 39                |                  | 2                     |                   |            |
| Modaflame Ra          | in      | MV71  | Modaflame Rain Multi Norm Arc Trouser                                   | 350g   | 305  | 32                                      | 39                |                  | 2                     |                   |            |
| Modaflame So          | ftshell | MV72  | Modaflame Multi Norm Arc Softshell Jacket                               | 350g   | 306  | 11                                      | 16                |                  | 2                     |                   |            |
| Modaflame So          | ftshell | MV73  | Modaflame Softshell Jacket                                              | 350g   | 307  | 11                                      | 16                |                  | 2                     |                   |            |
| Modaflame So          | ftshell | FR704 | WX3 FR Softshell                                                        | 350g   | 312  | 11                                      | 16                |                  | 2                     |                   |            |

### **ARC RATING FOR SINGLE GARMENTS**

|       |                |       |                                                                 |        |      | IEC 61482-2       |                   |                  | NFPA70                | E                          |            |
|-------|----------------|-------|-----------------------------------------------------------------|--------|------|-------------------|-------------------|------------------|-----------------------|----------------------------|------------|
|       |                |       |                                                                 |        |      |                   | EC 61482-1-       | 1                | IEC 61482-1-2         | ASTM                       |            |
| BRA   | ND             | STYLE | DESCRIPTION                                                     | WEIGHT | PAGE | ELIM<br>(cal/cm²) | ATPV<br>(cal/cm²) | EBT<br>(cal/cm²) | APC<br>(Class 1 or 2) | F1959<br>ATPV<br>(cal/cm²) | PPE<br>CAT |
| Bizfl | ame 88/12      | FR89  | Bizflame 88/12 FR Shirt                                         | 237g   | 361  | 9.1               | 11                |                  |                       | 8.2                        | 2          |
| Bizfl | ame 88/12      | FR95  | Bizflame 88/12 FR Hi-Vis Shirt                                  | 237g   | 360  |                   |                   |                  |                       | 9                          | 2          |
| Bizfl | ame Multi      | FR61  | Hi-Vis Multi-Norm Jacket                                        | 345g   | 335  | 13                | 14                |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Multi      | FR62  | Hi-Vis Multi-Norm Trousers                                      | 345g   | 335  | 13                | 14                |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Multi      | FR60  | Hi-Vis Multi-Norm Coverall                                      | 345g   | 336  | 13                | 14                |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Multi      | FR63  | Hi-Vis Multi-Norm Bib and Brace                                 | 345g   | 337  | 13                | 14                |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Multi      | FR80  | Multi-Norm Coverall                                             | 345g   | 337  | 13                | 14                |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Multi Rain | FR78  | Bizflame Multi Arc Hi-Vis Trouser                               | 380g   | 334  | 43                | 55                |                  | 1                     |                            |            |
| Bizfl | ame Multi Rain | FR79  | Bizflame Multi Arc Hi-Vis Jacket                                | 380g   | 334  | 43                | 55                |                  | 1                     |                            |            |
| Bizfl | ame Plus       | FR501 | Bizflame Plus Stretch Panelled Coverall                         | 350g   | 347  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR502 | Bizflame Plus Lightweight Stretch Panelled Coverall             | 210g   | 347  | 9                 | 9.7               |                  |                       | 9.1                        | 2          |
| Bizfl | ame Plus       | FR601 | Bizflame Plus Lightweight Stretch Panelled Jacket               | 210g   | 346  | 9                 | 9.7               |                  |                       | 9.1                        | 2          |
| Bizfl | ame Plus       | FR401 | Bizflame Plus Lightweight Stretch Panelled Trouser              | 210g   | 346  | 9                 | 9.7               |                  |                       | 9.1                        | 2          |
| Bizfl | ame Plus       | FR21  | Flame Resistant Super Light Weight Anti-Static<br>Coverall 210g | 210g   | 351  |                   |                   |                  |                       | 9.1                        | 2          |
| Bizfl | ame Plus       | FR22  | Insect Repellent Flame Resistant Coverall                       | 210g   | 352  |                   |                   |                  |                       | 9.1                        | 2          |
| Bizfl | ame Plus       | FR34  | FR Standard Coat                                                | 210g   | 353  |                   |                   |                  |                       | 9.1                        | 2          |
| Bizfl | ame Plus       | FF50  | Aberdeen FR Coverall                                            | 350g   | 349  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR50  | Flame Resistant Anti-Static Coverall 350g                       | 350g   | 348  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR51  | Bizflame Plus Women's Coverall 350g                             | 350g   | 352  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR55  | Bizflame Plus Jacket                                            | 350g   | 356  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR56  | Bizflame Plus Trouser                                           | 350g   | 357  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR57  | Bizflame Plus Bib and Brace                                     | 350g   | 357  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR25  | Bizflame Plus Jacket                                            | 350g   | 354  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR26  | Bizflame Plus Trouser                                           | 350g   | 355  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizfl | ame Plus       | FR27  | Bizflame Plus Bib and Brace                                     | 350g   | 355  | 8.6               | 9.8               |                  | 1                     | 13.6                       | 2          |
| Bizf  | ame Ultra      | FR68  | Bizflame Ultra Jacket                                           | 340g   | 344  | 11                | 13                |                  | 1                     | 16                         | 2          |
| Bizfl | ame Ultra      | FR66  | Bizflame Ultra Trouser                                          | 340g   | 344  | 11                | 13                |                  | 1                     | 16                         | 2          |
| Bizfl | ame Ultra      | FR67  | Bizflame Ultra Bib & Brace                                      | 340g   | 345  | 11                | 13                |                  | 1                     | 16                         | 2          |
| Bizfl | ame Ultra      | FR93  | Bizflame Ultra Coverall                                         | 340g   | 345  | 11                | 13                |                  | 1                     | 16                         | 2          |
| Bizfl | ame Ultra      | FR08  | Bizflame Ultra Two Tone Jacket                                  | 340g   | 342  | 11                | 13                |                  | 1                     | 16                         | 2          |
| Bizfl | ame Ultra      | FR06  | Bizflame Ultra Two Tone Trouser                                 | 340g   | 343  | 11                | 13                |                  | 1                     | 16                         | 2          |
| Bizfl | ame Ultra      | FR07  | Bizflame Ultra Two Tone Bib & Brace                             | 340g   | 343  | 11                | 13                |                  | 1                     | 16                         | 2          |
| Bizfl | ame Knit       | FR32  | FR Anti-Static Henley                                           | 237g   | 362  | 13                | 15                |                  |                       | 10                         | 2          |
| Bizfl | ame Knit       | FR33  | FR Anti-Static Crew Neck                                        | 237g   | 362  | 13                | 15                |                  |                       | 10                         | 2          |
| Bizw  | veld           | BIZ1  | Bizweld FR Coverall                                             | 330g   | 367  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BIZ5  | Bizweld Iona FR Coverall                                        | 330g   | 365  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BIZ2  | Bizweld Jacket                                                  | 330g   | 366  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BZ30  | Bizweld Trousers                                                | 330g   | 366  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BZ13  | Bizweld Iona Jacket                                             | 330g   | 364  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizv  | veld           | BZ14  | Bizweld Iona Trouser                                            | 330g   | 364  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BZ17  | Bizweld Iona Bib & Brace                                        | 330g   | 365  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BZ31  | Bizweld FR Cargo Pant                                           | 330g   | 368  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BIZ4  | Bizweld Bib and Brace                                           | 330g   | 367  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BIZ6  | Bizweld Hooded Coverall                                         | 330g   | 369  | 8.3               | 10.9              |                  |                       | 11.2                       | 2          |
| Bizv  | veld           | BZ12  | Bizweld Cape Hood                                               | 330g   | 369  |                   |                   |                  |                       | 11.2                       | 2          |
| Bizw  | veld           | BZ11  | Bizweld Sleeves                                                 | 330g   | 369  |                   |                   |                  |                       | 11.2                       | 2          |

### **FLAME RESISTANT - EN STANDARDS**

Radiant heat (C) - 4 levels

250 degrees Celsius)

Molten aluminium splash (D) - 3 levels

Contact heat (F) - 3 levels (temperature

Heat resistance at a temperature of 180

Molten iron splash (E) - 3 levels



#### EN ISO 11612: 2015 **Protective Clothing Against Heat and Flame**

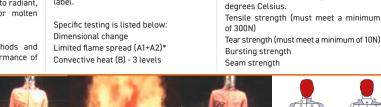
The performance requirements set out in fabric/garments in the event of contact this international standard are applicable with heat or flames. Garment features to garments, which could be worn for a such as seams, closures and logos must wide range of end uses, where there is a be tested as well as the fabric. Tests must

need for clothing with limited flame spread properties and where the user can be exposed to radiant, convective or contact heat or molten metal splashes.

This test uses standard methods and conditions to predict the performance of

#### **IS0** 13506

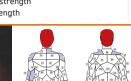
#### ISO 13506: 2008 Manikin Test



be carried out on pre-treated components

according to the manufacturers care

label



Garment design requires that coverage must be provided from the neck to the wrists and to the ankles

Optional testing includes water vapour resistance and manikin testing for overall burn prediction.

\*This test must be carried out on fabric and seams.

#### Manikin test results for: FR61 & FR62

- Pain (16%).
- 1st° Burn (0%).
- 2nd° Burn (0%),
- 3rd° Burn (0%).

#### Burn Injury Prediction 0%.

One of the most useful functions of these Manikin tests is to allow garments to be compared directly to each other under identical conditions. Comparisons can be made between different types of clothing fabrics, design, construction, finish, etc. to improve levels of protection and to see how different types and mixes of materials and layers / undergarments perform in the same environment.

This test method provides the general principles for evaluating the performance of complete garments or protective clothing ensembles in a flash fire or other short duration exposures.

Within the EN ISO 11612 standard, an optional test is available to provide predictions of burn injury using an instrumented, heat sensing, life size manikin, complying with the IS013506 test method. Manikin testing creates a realistic simulation of a flash fire condition and analyses the response of manikin heat sensors to predict the potential tissue burn damage to the wearer of industrial clothing.

The effects of exposure to flame are dependent not only on the basic protective qualities of the fabric but on factors such as the quality of the garment fit and the presence of air gaps between the different layers of clothing. The presence of undergarments also has a significant effect on protection.

Testing is carried out by exposing a fully clothed manikin, to flame engulfment for a minimum period of four seconds.

The manikin is fitted with a minimum of 100 sensors positioned all over the body, arms, legs and head. The purpose of the sensors is to measure the variation in temperature on the manikin surface

designed to replicate the rate at which human skin absorbs energy.

during a test with the manikin clothed -

Heat energy absorbed by the sensors is recorded by the manikin's computer software, with data normally collected for up to 120 seconds after the burn. From the information gathered, a report is produced showing a "body map" indicating predicted body burn of either no burns, first, second or third degree burns and where they would have occurred.

There are no "Pass" or "Fail" criteria in the IS013506 standard.

#### 盂 EN ISO 11611: 2015

### EN ISO 11611 Protective Clothing For Use In Welding And Allied Processes

This international standard specifies minimum basic safety requirements and test methods for protective clothing for use in welding and allied processes (excluding hand protection).

The international standard specifies two classes with specific performance requirements.

Class 1 is protection against less hazardous welding techniques and situations causing lower levels of spatter and radiant heat.

Class 2 is protection against more hazardous welding techniques and situations causing higher levels of spatter and radiant heat.

EN ISO 11611 requires that protective suits completely cover the upper and lower torso, neck, arms and legs. There are a number of other design requirements which must be followed, to prevent molten droplets lodging anywhere on the garment.

Testing must be carried out on pretreated components according to the manufacturers care label.

The following is a summary of the testing required:

- Tensile strength (must meet a minimum of 400 N)
- Tear strength (must meet a minimum of 15N for class 1 and 20N for class 2) Bursting strength
- Seam strength
- Dimensional change

- Requirements of leather Limited flame spread (A1+A2)\*
- Molten dronlets
- Heat transfer (radiation)
- Electrical resistance

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\*This test must be carried out on fabric and seams.

#### EN ISO 14116

### EN ISO 14116: 2015

Protective Clothing Against Limited Flame Spread Materials and Material Assemblies

This standard specifies the performance requirements for the limited flame spread properties of materials, material assemblies and protective clothing in order to reduce the possibility of the clothing burning and thereby itself constituting a hazard. Additional requirements for clothing are also specified.

Protective clothing complying with this standard is intended to protect workers against occasional and brief contact with small igniting flames in circumstances

where there is no significant flame hazard and without the presence of another type of heat

EN ISO 14116 has three different categories for flame spread, Index 1, 2 and 3 as detailed in the table below:

#### Note:

Index 1 garments should not be worn next to the skin. They must be worn over Index 2 or 3 garments.

Index 2 or 3 garments can be worn next to the skin.

Testing must be carried out on pretreated components according to the manufacturers care label.

Testing required is as follows:

- Limited flame spread
- Tensile strength
- Tear strength
- Seam strength

No flame spread 1 No flaming debris No afterglow shall spread No flame spread No flaming debris 2 No afterglow shall spread No hole shall form No flame spread No flaming debris No afterglow shall spread 3 No hole shall form The afterflame must last no longer than 2 seconds

REQUIREMENTS





#### IEC 61482-2:2018 / EN 61482-2:2020 Protective Clothing Against the Thermal Hazards of an Electric Arc

The new updated version of IEC 61482-2:2018 has a new symbol, replacing the 2009 symbol.

During a transition period, stock garments will have mixed symbols



IEC 61482-2: 2009 CLASS 1 IEC 61482-1-1: 2009 Method A ATPV 8.4 cal/cm<sup>2</sup>

This standard specifies requirements and test methods applicable to materials and garments for protective clothing against the thermal effects of an electric arc event. An electric arc is a continuous electric discharge of high current between conductors generating very bright light and intensive heat.

Two international test methods have been developed to provide information on the resistance of clothing to the thermal effects of electric arcs. Each method gives different information. To comply with the standard either or both tests must be carried out.

#### Open Arc Method IEC 61482-1-1.

This test method aims to establish the ELIM (Incident Energy Limit) ATPV (Arc Thermal Performance Value) or EBT (Energy Breakopen Threshold) of a fabric. ELIM is a new value that was been added to the updated version of IEC 61482-1-1, the Open Arc test method. This value (cal/cm2) is the highest incident thermal energy to which the garment can be exposed with a 0% risk of the wearer getting a second-degree burn injury. The ELIM rating usually has a lower calorific value than ATPV and EBT . ATPV and EBT are measured against a 50% risk of the wearer getting a second-degree burn injury. An ATPV value or an EBT value is determined by how the fabric reacts to the arc test. If a hole appears first, the value is set as EBT and if high heat passage is first, it will be ATPV. Both ATPV and EBT are also expressed in calories per cm2. The higher the calorific value of the garment or fabric, then the greater the protection for the wearer. The Stoll Curve is used in testing along with a graph of heat flux exposure times. The point at which the heat flux cross the Stoll Curve is identified as the point at which a human would feel pain and be at risk of second-degree hurns

#### Box Test Method IEC 61482-1-2

During this test, fabric or garments are exposed to an electric arc, stimulating typical exposure conditions for a short circuit current, confined in a box for 0.5 seconds, resulting in either an APC 1 or APC 2 classification.

APC 1 & APC 2 (APC = Arc Protection Class) will replace Class 1 & Class 2 in the updated IEC 61482-1-2, Box test method. The values remain the same ie. APC 1 (formerly Class 1) is to a current of 4kA (400V, 168Kj) & APC 2 (formerly Class 2) is to a current of 7kA (400V, 320Kj)

Garments can be layered to achieve an overall ELIM, ATPV or EBT Rating. For example, a thermal layer may achieve an EBT of 4.3 Cal/m2, and an outer coverall may achieve an ELIM of 13.6 Cal/cm2. However, the combination EBT/ELIM ratings will be greater than the sum of the two single layers, as the air gap between the two layers affords the wearer additional protection. ASTM F1959/F1959M-14 FABRIC ONLY TEST. This US Test Method determines the Arc Rating (ATPV or EBT) of a fabric or a multi-layer combination of fabrics. The test method is similar to IEC 61482-1-1. Pre-treatment may vary.

| ARC RATED<br>PPE | REQUIRED<br>MINIMUM ARC<br>RATING OF PPE/<br>CAL/CM2 |
|------------------|------------------------------------------------------|
| 1<br>ARC         | 4 CAL/CM <sup>2</sup>                                |
| 2<br>ARC         | 8 CAL/CM <sup>2</sup>                                |
| 3<br>ARC         | 25 CAL∕CM²                                           |

#### 년 EN 1149

EN 1149: 2018

#### Protective Clothing - Electrostatic Properties - Part 5. Material Performance and Design Requirements.

This European standard is part of a series of standards for test methods and requirements for electrostatic properties of protective clothing. The standard specifies material and design requirements for garments used as part of a total earthed system, to avoid incendiary discharges. The requirements may not be sufficient in oxygen enriched flammable atmospheres. This standard is not applicable for protection against mains voltages. EN 1149 consists of the following parts

EN 1149-1: Test method for measurement of surface resistivity.

EN 1149-2: Test method for measurement of the electrical resistance through a material (vertical resistance)

EN 1149-3: Test methods for measurement of charge decay

EN 1149-4: Garment Test (under development) EN 1149-5: Material performance and design requirements.

Electrostatic dissipative protective clothing shall be able to permanently cover all non-complying materials during normal use. Conductive parts (zippers, buttons etc) are permitted provided they are covered by the outermost material when in use.

### EN 13034

#### EN 13034: 2005 + A1:2009 Protective Clothing Against Liquid Chemicals

Performance requirements for chemical The standard covers

protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment). This standard specifies the minimum requirements for limited use and re-usable limited performance chemical protective clothing. Limited performance chemical protective clothing is intended for use in cases of a potential exposure to a light spray, liquid aerosols or low pressure, low volume splashes, against which a complete liquid permeation barrier (at a molecular level) is not required. The standard covers both chemical protective suits (Type 6) and partial body protection (Type PB[6]).

Type 6 suits are tested using a mist or fine spray of water with a dye added to aid the assessment of leakage. The test subject wears an absorbent suit underneath the one to be tested, which absorbs any leaks and is stained by the dye. Success or failure is determined by measuring the total area of any stains on three suits and comparing this with the requirement. A range of other tests is specified, including resistance to abrasion, tear strength, tensile strength, resistance to puncture, resistance to ignition, resistance to penetration by liquid chemicals and seam strength. In the test for liquid chemical repellency and resistance to penetration by liquid chemicals, a bank of four test chemicals is given in the standard although the requirement is that the suit material demonstrates adequate repellency and resistance to penetration against just one chemical from this list Protective clothing certified according to EN 13034 needs to be re-activated by heating the garment after each wash cycle and the garment must also be reimpregnated when necessary.

Portwest recommends reimpregnation using a professional launderer capable of carrying out this process.



ATEX Directive

The ATEX Directive defines what equipment is permitted in an environment where an explosive atmosphere may exist. Portwest recommends using garments certified to EN 1149 for added protection in an ATEX environment. Portwest garments have not been assessed under the ATEX directive which currently excludes PPE.

Important Notice: The garment Manufacturer Portwest, has been independently audited and our systems approved and certified to PPE Regulation (EU) 2016/425 Module D. Our scope is for the manufacture of flame resistant coveralls, jackets and trousers providing protection against heat and electrical risks.

### FLAME RESISTANT - USA STANDARDS



### NFPA 70E NFPA® 70E

This standard addresses electrical safety-related work practices for employee workplaces and requires employees working on or near energized parts and equipment to wear flame resistant clothing that meets the requirements of ASTM F1506.

The NFPA 70E standard provides table 130.7(C)(16) as a guideline for the selection of protective apparel. This table lists the requirements for PPE based on arc flash PPE categories 1 through 4. This clothing and equipment shall be used when working within the arc flash boundary.



This standard specifies the minimum performance requirements and test methods for flame resistant fabric and components and the design and certification requirements for garments for use in areas at risk from flash fires.

Flame resistant fabrics must pass a comprehensive list of thermal tests, including the following:

The table ranges from ARC 1 (which is low risk) up to ARC 4 (which is high risk and requires FR clothing with a minimum arc rating of 40). The higher the ARC rating value, the greater the protection.

| ARC RATED<br>PPE | CLOTHING DESCRIPTION                                                                                                                                 | REQUIRED MINIMUM<br>ARC RATING OF<br>PPE/CAL/CM2 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 1<br>ARC         | 1 ARC: Arc rated FR Shirt and FR pants or FR Coverall                                                                                                | 4                                                |
| 2<br>ARC         | 2 ARC: Arc rated FR Shirt and FR pants or FR Coverall                                                                                                | 8                                                |
| 3<br>ARC         | 3 ARC: Arc rated FR Shirt and FR pants or<br>FR Coverall, and arc flash suit selected<br>so that the system arc rating meets the<br>required minimum | 25                                               |
| 4<br>ARC         | 4 ARC: Arc rated FR Shirt and FR pants<br>or FR Coverall and arc flash suit selected<br>so that the system arc rating meets the<br>required minimum  | 40                                               |

Thermal Shrinkage Resistance Test

This test measures a fabrics resistance to shrinkage when exposed to heat.

Heat Resistance Test

This test measures how fabrics and components react to the high heat that could occur during a flash fire.

• ASTM F1930-11 – Thermal Manikin Test This test provides an overall evaluation of how the fabric performs in a standardized coverall design after three-second thermal exposure.

• FTMS 191A – Thread melting resistance

Thread used in flame resistant garments must withstand temperatures of up to 500°F.

### ASTM F1506-10a

### ASTM<sup>®</sup> F1506

These textile materials must meet the following performance requirements:

 A general requirement that thread and components used in garment construction shall not contribute to the severity of injuries to the wearer in the event of a momentary electric arc and related thermal exposure.

- A set of minimum performance

specifications for knit and woven fabrics including strength, colorfastness, flame resistance before and after washing and arc test results.

· ASTM F2700 - Heat Transfer

This test is a measure of the unsteady

state heat transfer properties of

• ASTM D6413 – Vertical Flammability

This test is used to determine how

easily fabrics ignite and continue to

Performance (HTP) Test

(Flame Resistance) Test

garment materials.

burn once ignited.

- Testing for flame resistance in accordance with ASTM Test Method D6413 vertical flame test.

- When tested as received in accordance with ASTM Test Method

F1959 arc performance, the fabric may not have more than 5.0 seconds after flame time when tested.

Garments must be labelled with the following:

- Tracking code

- Statement that the garments meet the requirements of F1506

- Manufacturer's name, size information
- Care instructions and fiber content
- ARC rating (ATPV) or (EBT)

#### ASTM F1959/F1959M

#### ASTM<sup>®</sup> F1959/F1959M

### STANDARD TEST METHOD FOR DETERMINING THE ARC RATING OF MATERIALS FOR CLOTHING

FABRIC ONLY TEST. This test method determines the Arc Thermal Performance Value (ATPV) or Energy Breakdown Threshold (Ebt) of a fabric. The result (expressed in cal/cm2) represents the maximum incident thermal energy in units of energy per square area that a fabric can support before the wearer will suffer second degree burns.





### LAUNDERING OF FR FABRICS

Flame Resistant fabrics need to be regularly washed and dried in order to remove any dirt and contamination. The quality of the laundry service is of high importance. Garments must be laundered according to the manufacturers instructions provided in the care label sewn into the garment, as incorrect laundering of flame resistant garments can seriously affect their performance and fit. The garment's flame resistant properties will last much longer if correctly laundered and washed.





### WASHING / DRYING PROCEDURE:

#### Pre-treatment:

If stains are difficult to remove, they can be treated before putting into the washing machine with a liquid soap applied directly to stains and lightly rubbed. Heavier and stubborn stains should be pretreated with a commercial stain removal product at the earliest opportunity and sufficient time allowed for the pre-treatment to penetrate and loosen the stain.

Never use chlorine bleach or washing detergents containing bleach as these may discolour and will reduce the flame resistance properties of the fabric.

Fabric softeners, starches and other laundry additives are not recommended as they can mask the flame resistance performance and may also act as a fuel in case of combustion.



#### WASHING:

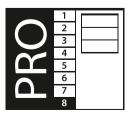
Always wash contaminated workwear separately, do not mix with non workwear. Flame Resistant fabric can usually be washed at high temperatures however it is the components (ie. the reflective tape, badging, etc.) on a finished garment that dictates the maximum washing temperature that the garment can be washed at. Always follow the washing temperature on the garment label. Always wash and dry garments inside out to minimise surface abrasion and help maintain the surface appearance of the fabric. Zips should be closed during washing.

### LOAD SIZE: TO ENSURE A MORE EFFICIENT, CLEANER WASH, AVOID OVERLOADING THE MACHINE SO THE GARMENTS CAN MOVE FREELY THROUGH THE WASH AND RINSE CYCLES.



#### DRYING:

Tumble drying is not usually recommended as the temperature used is often too high and can cause garment shrinkage. It is vital that cotton or cotton mix garments are not over dried. Over drying is the main cause of excessive garment shrinkage. Do not hang in direct sunlight. This can cause fading.



### INDUSTRIAL LAUNDERING:

Portwest have introduced a new Industrial Launderable Workwear Range – Bizflame Ultra. These products are labelled with a 'PRO' symbol and are suitable for industrial laundering according to ISO 15797.

ISO 15797 is the international standard specifying the industrial washing and finishing procedures that a product can withstand.

All Portwest industrial launderable products marked with the EN ISO 15797 label, are tested according to washing procedure 8, for coloured workwear, that can tolerate tunnel finishing.

### THE FLAME RESISTANT FINISH IS RETAINED FOR THE NORMAL LIFE CYCLE OF THE GARMENT PROVIDED THAT THE CARE INSTRUCTIONS ARE ADHERED TO.

# FLAME ENGULFMENT MANIKIN TEST

Portwest's technical flame resistant products have been tested to the highest international safety standards including **ISO 13506**, the **manikin flame** engulfment test.



In order to ensure even higher levels of safety for the user, the **manikin test subjects** the product to extreme conditions, proving that **Portwest flame resistant garments** offer the **highest protection** in the market.

Portwest invests heavily in our ground breaking research and testing programme and work closely with notified bodies, such as **BTTG** and **AITEX**, who independently verify our results.

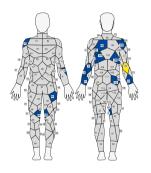


In the face of the most extreme conditions wearers can always rely on the unparalleled protection of Portwest's heat and flame resistant products.

### CONFIDENCE | TRUST | RELIABILITY | PROTECTION | SAFETY

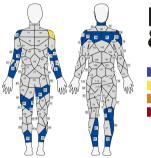
### Understanding Manikin Test Results

Following flame exposure, a body map is created, which uses colour coding to indicate the burn injury prediction results





 Pain (12.3%)
 1st° Burn (0.9%)
 2nd° Burn (0.0%)
 3rd° Burn (0.0%)
 Burn Injury Prediction 0.0%





Pain (20.0%),
 1st° Burn (1.0%)

2nd° Burn (0.0%)
 3rd° Burn (0.0%)

Burn Injury Prediction



Pain (19.3%) 1st° Burn (0.0%)

### 2nd° Burn (1.8%)3rd° Burn (0.0%)

Burn (0.0%) Burn Injury Prediction

### Best in Class Burn Injury Prediction Results

Continuous investment in product testing is central to our product development approach as it offers reliable validation of our ongoing commitment to wearer comfort and safety.

### TABLE OF RESULTS

|             | 1st°<br>Burn | 2nd°<br>Burn | 3rd°<br>Burn | Burn Injury<br>Prediction |
|-------------|--------------|--------------|--------------|---------------------------|
| FR50/FF50   | 0.9%         | 0.0%         | 0.0%         | 0.0%                      |
| FR60        | 2.6%         | 0.9%         | 0.0%         | 0.9%                      |
| FR28        | 0.0%         | 1.8%         | 0.0%         | 1.8%                      |
| FR21        | 6.0%         | 19.0%        | 0.0%         | 19.0%                     |
| AF53/AF73   | 3.5%         | 7.0%         | 1.8%         | 8.8%                      |
| AF22        | 0.0%         | 5.3%         | 0.9%         | 6.2%                      |
| FR55/FR56   | 2.0%         | 3.0%         | 0.0%         | 3.0%                      |
| FR55/FR57   | 1.0%         | 0.0%         | 0.0%         | 0.0%                      |
| FR25/FR26   | 2.0%         | 3.0%         | 0.0%         | 3.0%                      |
| FR25/FR27   | 1.0%         | 0.0%         | 0.0%         | 0.0%                      |
| FR61/FR62   | 0.0%         | 0.0%         | 0.0%         | 0.0%                      |
| FR61/FR63   | 1.0%         | 0.0%         | 0.0%         | 0.0%                      |
| BIZ1        | 0.9%         | 1.8%         | 0.0%         | 1.8%                      |
| BIZ2 / BZ30 | 0.0%         | 4.4%         | 0.9%         | 5.3%                      |

### FABRIC REFERENCE CHART - INHERENTLY FLAME RESISTANT

| BRAND                  | STYLE                     | PRODUCT<br>DESCRIPTION       | PAGE     | FABRIC COMPOSITION                                                                                  | WEIGHT | FR TESTING<br>AFTER WASHING |
|------------------------|---------------------------|------------------------------|----------|-----------------------------------------------------------------------------------------------------|--------|-----------------------------|
| Araflame Plus          | AF53, AF73                | Coverall                     | 300, 301 | 93% Meta-aramid, 5% Para-aramid, 2% Carbon Fibre                                                    | 150gm  | Inherent                    |
| Araflame Hi-Vis Multi  | AF91                      | Coverall                     | 303      | 57% Aramid, 42% Polyester, 1% Antistatic Carbon Fibre                                               | 260gm  | Inherent                    |
| Modaflame              | MV25, MV26,<br>MV46, MV28 | Jacket, Trouser,<br>Coverall | 310, 311 | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 280gm  | Inherent                    |
| Modaflame              | MX28                      | Coverall                     | 314      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 280gm  | Inherent                    |
| Modaflame              | FR602, FR402,<br>FR503    | Jacket, Trouser,<br>Coverall | 313, 314 | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 280gm  | Inherent                    |
| Modaflame HVO<br>Woven | MV29, MV91                | Coverall                     | 309      | 61% Modacrylic, 18% Viscose, 15% Polyester, 5% Aramid,<br>1% Carbon Fibre                           | 300gm  | Inherent                    |
| Modaflame HVO<br>Woven | MV35, MV36                | Jacket, Trouser              | 308      | 61% Modacrylic, 18% Viscose, 15% Polyester, 5% Aramid,<br>1% Carbon Fibre                           | 300gm  | Inherent                    |
| Modaflame HVO Knit     | FR76                      | Polo-Shirt                   | 315      | 66% Modacrylic, 32% Polyester, 2% Carbon fibre                                                      | 220gm  | Inherent                    |
| Modaflame HVO Knit     | FR703                     | Sweatshirt                   | 315      | 45% Modacrylic, 25% Polyester, 23% Cotton, 6% Aramid,<br>1% Antistatic                              | 300gm  | Inherent                    |
| Modaflame Knit         | FR74, FR77                | Polo-Shirt                   | 318, 316 | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 210gm  | Inherent                    |
| Modaflame Knit         | FR701                     | T-Shirt                      | 317      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 210gm  | Inherent                    |
| Modaflame Knit         | FR702                     | Polo-Shirt                   | 317      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 210gm  | Inherent                    |
|                        | FR30                      | Fleece                       | 321      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 280gm  | Inherent                    |
| Modaflame Knit         | FR31                      | Hi-Vis Fleece                | 319      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 280gm  | Inherent                    |
| Modaflame Knit         | FR03, FR10                | Polo-Shirt                   | 320      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 200gm  | Inherent                    |
| Modaflame Knit         | FR11                      | T-Shirt                      | 322      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 200gm  | Inherent                    |
| Modaflame Knit         | FR14                      | Leggings                     | 322      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 200gm  | Inherent                    |
| Modaflame Knit         | FR18, FR19                | Balaclava, Neck Tube         | 323      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 200gm  | Inherent                    |
| Modaflame Knit         | FR09, FR20                | Balaclava                    | 323      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 300gm  | Inherent                    |
| Modaflame Knit         | FR12                      | Sweatshirt                   | 320      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 300gm  | Inherent                    |
| Modaflame Knit         | FR81                      | Hooded Sweatshirt            | 321      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 300gm  | Inherent                    |
| Modaflame Knit         | FR72                      | Sweatshirt                   | 319      | 60% Modacrylic, 39% Cotton, 1% Carbon Fibre                                                         | 300gm  | Inherent                    |
| Modaflame Knit         | FR96                      | T-Shirt                      | 316      | 60% Modacrylic, 40% Cotton                                                                          | 280gm  | Inherent                    |
| Modaflame Rain         | MV70                      | Jacket                       | 304      | 98% Polyester, 2% Carbon Fibre, PU Coated, 60%<br>Modacrylic bonded to 40% Cotton FR knit backing   | 350gm  | Inherent                    |
| Modaflame Rain         | MV71                      | Trouser                      | 305      | 98% Polyester, 2% Carbon Fibre, PU Coated, 60%<br>Modacrylic bonded to 40% Cotton FR knit backing   | 350gm  | Inherent                    |
| Modaflame Softshell    | MV72                      | Jacket                       | 306      | 100% Polyester 95g, TPU FR membrane 35g, 60%<br>Modacrylic, 39% Cotton, 1% Carbon Fibre fleece 220g | 350gm  | Inherent                    |
| Modaflame Softshell    | MV73, FR704               | Softshell                    | 307, 312 | 100% Polyester 95g, TPU FR membrane 35g, 60%<br>Modacrylic, 39% Cotton, 1% Carbon Fibre fleece 220g | 350gm  | Inherent                    |

|   | ्रि<br>EN 1149 | EN ISO 11612 | EN ISO 11611 | EN ISO 20471 | 41<br>IEC 61482-2 | EN 13034 | EN 343 | EN 15614 | ASTM<br>F1959 | ASTM<br>F1506 | NFPA<br>2112 | NFPA<br>70E |
|---|----------------|--------------|--------------|--------------|-------------------|----------|--------|----------|---------------|---------------|--------------|-------------|
|   | v              | v            |              |              | v                 |          |        |          | v             |               |              |             |
|   | v              | v            | v            | √ RIS        |                   |          |        |          |               |               |              |             |
|   | v              | v            | v            | v            | v                 | v        |        |          | v             |               |              |             |
|   | v              | v            | v            |              | v                 | v        |        |          | v             |               |              |             |
|   | v              | v            | v            |              | v                 | v        |        |          | v             |               |              |             |
|   | v              | v            | v            | √ RIS        | v                 | ٧        |        |          | v             |               |              |             |
|   | v              | v            | v            | √ RIS        | v                 | v        |        |          | v             |               |              |             |
| - | v              | v            |              | √ RIS        | v                 |          |        |          |               |               |              |             |
|   | v              | v            |              | √ RIS        | v                 |          |        |          |               |               |              |             |
|   | v              | v            |              | v            | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              | v            | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              | v            | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              |              | v                 |          |        |          |               |               |              |             |
|   | v              | v            |              | v            | v                 |          |        |          |               |               |              |             |
|   | v              | v            |              |              | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              |              | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              |              | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              |              |                   |          |        |          | v             |               |              |             |
|   | v              | v            |              |              |                   |          |        |          | v             |               |              |             |
|   | v              | v            |              |              | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              |              | v                 |          |        |          | v             |               |              |             |
|   | v              | v            |              | v            | v                 |          |        |          | v             |               |              |             |
|   | v              | v            | v            | v            | v                 |          |        |          | v             |               |              |             |
|   | v              | v            | v            | √RIS         | v                 | V        | v      |          |               |               |              |             |
|   | v              | v            | v            | √ RIS        | v                 | v        | v      |          |               |               |              |             |
|   | v              | v            | v            | √ RIS        | v                 | v        |        |          |               |               |              |             |
|   | v              | v            | v            |              | v                 | v        |        |          |               |               |              |             |

### FABRIC REFERENCE CHART - TREATED FLAME RESISTANT

|          | BRAND                       | STYLE                                       | PRODUCT<br>DESCRIPTION                   | PAGE                 | FABRIC COMPOSITION                                                                                                   | WEIGHT | FR TESTING<br>AFTER WASHING        |
|----------|-----------------------------|---------------------------------------------|------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------|--------|------------------------------------|
|          | Bizflame Pro                | FR35, FR36                                  | Jacket, Trouser                          | 340                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 330gm  | 50 Washes                          |
|          | Bizflame Pro                | FR37, FR38                                  | Bib & Brace, Coverall                    | 341                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 330gm  | 50 Washes                          |
|          | Bizflame Pro                | FR90, BIZ7, FR92                            | Coverall, Trouser                        | 338, 339             | 99% Cotton, 1% Carbon Fibre                                                                                          | 330gm  | 50 Washes                          |
|          | Bizflame Multi              | FR78, FR79                                  | Jacket, Trouser                          | 334                  | 80% Cotton, 19% Polyester, 1% Antistatic Carbon Fibre, two-<br>layer PTFE lamination, PU Coated, Fluorocarbon Finish | 380gm  | 5 Washes                           |
|          | Bizflame Multi              | FR80                                        | Coverall                                 | 337                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 345gm  | 50 Washes                          |
|          | Bizflame Multi              | FR61, FR62                                  | Jacket, Trouser                          | 335                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 345gm  | 50 Washes                          |
|          | Bizflame Multi              | FR60, FR63                                  | Coverall, Bib & Brace                    | 336, 337             | 99% Cotton, 1% Carbon Fibre                                                                                          | 345gm  | 50 Washes                          |
|          | Bizflame Plus               | FR69                                        | Shirt                                    | 360                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 160gm  | 5 Washes                           |
|          | Bizflame Plus               | FR25, FR26, FR27                            | Jacket, Trouser, Bib<br>& Brace          | 354, 355             | 99% Cotton, 1% Carbon Fibre                                                                                          | 350gm  | 50 Washes                          |
|          | Bizflame Plus               | FR55, FR56, FR57                            | Jacket, Trouser, Bib<br>& Brace          | 356, 357             | 99% Cotton, 1% Carbon Fibre                                                                                          | 350gm  | 50 Washes                          |
|          | Bizflame Plus               | FR50, FF50, FR51, FR501                     | Coverall                                 | 348, 349<br>352, 347 | 99% Cotton, 1% Carbon Fibre                                                                                          | 350gm  | 50 Washes                          |
|          | Bizflame Plus               | FR53, FR59, FR58                            | Coverall, Jacket,<br>Salopettes          | 358, 359             | 99% Cotton, 1% Carbon Fibre                                                                                          | 350gm  | 50 Washes                          |
|          | Bizflame Plus               | FR28                                        | Coverall                                 | 350                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 280gm  | 50 Washes                          |
|          | Bizflame Plus               | FR21, FR22                                  | Coverall                                 | 351, 352             | 99% Cotton, 1% Carbon Fibre                                                                                          | 210gm  | 50 Washes                          |
|          | Bizflame Plus               | FR34                                        | Lab Coat                                 | 353                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 210gm  | 50 Washes                          |
| ESISTANT | Bizflame Plus               | FR502, FR601, FR401                         | Coverall, Jacket,<br>Trouser             | 347, 346             | 99% Cotton, 1% Carbon Fibre                                                                                          | 210gm  | 50 Washes                          |
| SIS.     | Bizflame Plus               | FR29                                        | FR Hood                                  | 353                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 210gm  | 50 Washes                          |
| 2        | Bizflame 88/12              | FR89                                        | Shirt                                    | 361                  | 88% Cotton, 12% Nylon                                                                                                | 237gm  | 50 Washes (EU)<br>100 Washes (USA) |
| FLAME    | Bizflame 88/12              | FR95                                        | Shirt                                    | 360                  | 88% Cotton, 12% Nylon                                                                                                | 237gm  | 5 Washes (EU)<br>100 Washes (USA)  |
| B        | Bizflame Ultra              | FR08, FR68, FR06, FR66,<br>FR07, FR67, FR93 | Jacket, Trouser,Bib &<br>Brace, Coverall | 342, 344<br>343, 345 | 80% Cotton, 19% Polyester, 1% Carbon Fibre                                                                           | 340g   | 50 Washes                          |
| TREAT    | Bizflame Knit               | FR32, FR33                                  | Henly & Crew                             | 362                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 237gm  | 50 Washes (EU)<br>100 Washes (USA) |
| F        | Bizflame Work               | FR75                                        | Vest                                     | 363                  | 100% Polyester, Warp Knitted                                                                                         | 120gm  | 5 Washes                           |
|          | Bizflame Work<br>Antistatic | FR71,FR85                                   | Vest                                     | 363                  | 98% Polyester 2% Carbon Fibre, Warp Knitted                                                                          | 120gm  | 12 Washes                          |
|          | Bizflame Rain               | S778, S774, S779, S773                      | Jacket                                   | 324, 325             | 98% Polyester, 2% Carbon Fibre, PU Coated                                                                            | 250gm  | 12 Washes                          |
|          | Bizflame Rain               | S780, S781, S782, S775                      | Trouser, Coverall                        | 326, 327<br>328      | 98% Polyester, 2% Carbon Fibre, PU Coated                                                                            | 250gm  | 12 Washes                          |
|          | Bizflame Rain               | S776                                        | Bodywarmer                               | 326                  | 98% Polyester, 2% Carbon Fibre, PU Coated                                                                            | 250gm  | 12 Washes                          |
|          | Bizflame Rain               | S770, S785, S783, S771                      | Jacket, Trouser                          | 329, 330<br>331      | 98% Polyester, 2% Carbon Fibre, PU Coated                                                                            | 250gm  | 12 Washes                          |
|          | Bizflame Wildland Fire      | FR98                                        | Coverall                                 | 372                  | 99% Cotton, 1% Carbon Fibre                                                                                          | 280gm  | 5 Washes                           |
|          | Bizweld                     | BIZ1, BIZ5, BIZ6                            | Coverall                                 | 367, 365<br>369      | 100% Cotton, FR Finish                                                                                               | 330gm  | 50 Washes                          |
|          | Bizweld                     | BIZ2, BZ13, BZ14, BZ30                      | Jacket, Trouser                          | 364, 366             | 100% Cotton, FR Finish                                                                                               | 330gm  | 50 Washes                          |
|          | Bizweld                     | BIZ4, BZ17                                  | Bib & Brace                              | 367, 365             | 100% Cotton, FR Finish                                                                                               | 330gm  | 50 Washes                          |
|          | Bizweld                     | BZ11, BZ12                                  | Sleeves, Hood                            | 369                  | 100% Cotton, FR Finish                                                                                               | 330gm  | 50 Washes                          |
|          | Bizweld                     | BZ31                                        | Trouser                                  | 368                  | 100% Cotton, FR Finish                                                                                               | 330gm  | 50 Washes                          |
|          | Safewelder                  | C030                                        | Coverall                                 | 368                  | 100% Cotton                                                                                                          | 330gm  | 50 Washes                          |
|          | Safewelder                  | SW10, SW20, SW31,<br>SW32, SW33, SW34       | Leather Jacket,<br>Trouser, Accessories  | 371, 370             | Split Cowhide Leather                                                                                                |        | N/A                                |
|          | Sealtex Flame               | FR41, FR43                                  | Jacket, Trouser                          | 332                  | 100% Polyester, FR & Antistatic, PU Coated                                                                           | 260gm  | 5 Washes                           |
|          | Sealtex Flame               | FR46, FR47                                  | Jacket, Trouser                          | 333                  | 100% Polyester, FR & Antistatic, PU Coated                                                                           | 240gm  | 5 Washes                           |

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| لم<br>EN 1149 | EN ISO 11612 | EN ISO 11611 | EN ISO 20471 | 41<br>IEC 61482-2 | EN 14116 | EN 13034 | EN 343 | EN 15614 | ASTM<br>F1959 | ASTM<br>F1506 | NFPA<br>2112 | NFPA<br>70E |
|---------------|--------------|--------------|--------------|-------------------|----------|----------|--------|----------|---------------|---------------|--------------|-------------|
| v             | v            | v            |              |                   |          |          |        |          |               |               |              |             |
| v             | v            | v            |              |                   |          |          |        |          |               |               |              |             |
| v             | v            | v            | v            |                   |          |          |        |          |               |               |              |             |
| v             | v            | v            | v            | ٧                 |          | v        | ٧      |          |               |               |              |             |
| v             | v            | v            |              | v                 |          | v        |        |          | v             |               |              |             |
| v             | v            | v            | v            | ٧                 |          | v        |        |          | ٧             |               |              |             |
| v             | v            | v            | v            | ٧                 |          | ٧        |        |          | ٧             |               |              |             |
| v             | v            |              |              |                   |          | ٧        |        |          |               |               |              |             |
| v             | v            | v            |              | v                 |          |          |        |          | v             |               |              |             |
| v             | v            | v            |              | v                 |          |          |        |          | v             |               |              |             |
| v             | v            | v            |              | v                 |          |          |        |          | v             |               |              |             |
| v             | v            | v            |              |                   |          |          |        |          |               |               |              |             |
| v             | v            | v            |              |                   |          |          |        |          |               |               |              |             |
| v             | v            | v            |              |                   |          |          |        |          | ٧             |               |              |             |
| v             | v            | v            |              |                   |          |          |        |          | ٧             |               |              |             |
| v             | v            | v            |              | v                 |          |          |        |          |               |               |              |             |
| v             | v            | v            |              |                   |          |          |        |          |               |               |              |             |
|               | v            |              |              | v                 |          |          |        |          | v             | v             | v            | v           |
|               | v            |              | v            |                   |          |          |        |          | v             | v             | v            | v           |
| v             | v            | v            |              | v                 |          | v        |        |          | v             |               |              |             |
| v             | v            |              |              | v                 |          |          |        |          | v             | v             | v            | v           |
|               |              |              | √ RIS        |                   | ٧        |          |        |          |               |               |              |             |
| v             |              |              | √ RIS        |                   | v        |          |        |          |               |               |              |             |
| v             |              |              | √ RIS        |                   | ٧        | v        | ٧      |          |               |               |              |             |
| v             |              |              | √ RIS        |                   | ٧        | v        | ٧      |          |               |               |              |             |
| v             |              |              | √ RIS        |                   | v        | v        |        |          |               |               |              |             |
| v             |              |              |              |                   | v        | v        | v      |          |               |               |              |             |
| v             | v            |              |              |                   |          |          |        | ٧        |               |               |              |             |
|               | v            | v            |              | v                 |          |          |        |          | $\checkmark$  |               |              |             |
|               | v            | v            |              | v                 |          |          |        |          | v             |               |              |             |
|               | v            | v            |              | ٧                 |          |          |        |          | ٧             |               |              |             |
|               | v            | v            |              |                   |          |          |        |          | ٧             |               |              |             |
|               | v            | v            |              | ٧                 |          |          |        |          | ٧             | v             | v            | ٧           |
|               | v            | v            |              |                   |          |          |        |          |               |               |              |             |
|               |              | v            |              |                   |          |          |        |          |               |               |              |             |
| v             |              |              | v            |                   | ٧        | v        | ٧      |          |               |               |              |             |
| v             |              |              |              |                   | v        | v        | v      |          |               |               |              |             |

\*



ELIM

3.8

Cal/Cm<sup>2</sup>

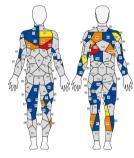
### **FABRIC INFORMATION**

- · Araflame Plus is an inherently flame resistant fabric developed for excellence, using innovative technology. The FR properties are permanent and will not diminish with washing.
- Constructed from 93% Meta-aramid which provides outstanding heat and flame resistance combined with 5% Paraaramid for strength. Araflame Plus is inherently anti static by incorporating 2% carbon fibre.
- Araflame Plus has been tested to the highest international standards and outperforms market leading brands in like for like comparison tests.

#### MANIKIN TEST **RESULTS FOR:** AF53

#### **Burn Injury** Prediction 8.8%

Pain (28.9%), 1st° Burn (3.5%) 2nd° Burn (7.0%) 3rd° Burn (1.8%)









### PREMIUM INHERENT FABRIC BLEND OF 93% META-ARAMID, 5% PARA-ARAMID **AND 2% CARBON FÍBRE**





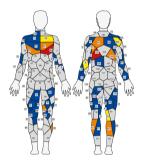


Araflame garments have been tested for burn injury prediction in controlled conditions. Results are outstanding and give the wearer confidence in the garment's performance in "real life" flash fire emergency situations. Powerful, Proprietary, Inherently Flame Resistant Fabric

#### MANIKIN TEST **RESULTS FOR:** AF73 **Burn Injury** Prediction 8.8%

Pain (28.9%), 1st° Burn (3.5%) 2nd° Burn (7.0%) 3rd° Burn (1.8%)

AF73





ARAFLAME SILVER COVERALL EN ISO 11612 A1+A2, B1, C1, F1 EN 1149-5 IEC 61482-2 IEC 61482-1-1 ELIM 3.8CAL/CM<sup>2</sup> ASTM F1959/F1959M-12 ATPV 5.9 CAL/CM2 (HAF 63.1%)

- · Inherent flame resistant qualities will not diminish with washing
- · Protection against radiant, convective and contact heat
- · Two back patch pockets
- Triple-stitched seams for extra durability
- · Durable, strong and long lasting brass zips
- · Hook and loop cuffs for a secure fit

Araflame Plus: 93% Meta-aramid, 5% Para-aramid, 2% Carbon Fibre, 150g Khaki, Navy, Orange, Red, Royal Blue





ELIM 3.8 Cal/Cm

150g

**AVAILABLE IN 5 COLOURS** 





<u>\*</u>



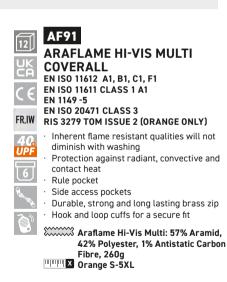
260g

### **FABRIC INFORMATION**

Araflame Hi-Vis Multi is a ground breaking innovation in flame resistant fabric. Constructed using 57% aramid, 42% polyester and 1% carbon fibre, Araflame Hi-Vis Multi offers the ultimate in inherent flame resistant protection combined with high visibility. This state of the art fabric offers full protection against a multiple of hazards.

### **GARMENT BENEFITS**

- · Inherently flame resistant
- Protects workers exposed to everyday hazards.
- This coverall has been developed specifically for those working in industries such as utilities, rail and aerospace.
- Retains excellent light and colour fastness.
- The fabric is breathable and comfortable.











### **FABRIC INFORMATION**

Constructed from 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating, bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight 350g. The fabric offers great flame, chemical, electric arc and waterproof protection whilst ensuring high visibility day and night.







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#### **MODAFLAME RAIN MULTI** NORM ARC JACKET EN ISO 11612 A1, A2, B1, C1, E3, F1 EN ISO 11611 CLASS 2 A1+A2 IEC 61482-2 IEC 61482-1-2 APC 2 IEC 61482-2 IEC 61482-1-1 ELIM 32 CAL/CM<sup>2</sup> EN 13034 TYPE 6 EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

### EN 343 CLASS 3:1 X

- · Protection against radiant, convective and contact heat
- · Waterproof and breathable with taped seams to prevent water penetration
- · Internal pockets for safe storage
- · FR cotton lined for added warmth and comfort · Pre-bent sleeves allow for increased freedom of movement
- · Hook and loop cuffs for a secure fit

#### Modaflame Rain: 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating and bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight, 350g

- 100% Cotton Flame Resistant Lining, 170g
- Orange/Navy S-4XL, Yellow/Navy S-4XL



### **INTERACTIVE WITH:**









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### ANTI-STATIC MODA FLAME FLAME RESISTANT A

LINED

ELIM 32

Cal/Cm<sup>2</sup>

520g

12 FR

### MV71 **MODAFLAME RAIN MULTI** NORM ARC TROUSER

EN ISO 11612 A1, A2, B1, C1, E3, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5

IEC 61482-2 IEC 61482-1-2 APC 2 IEC 61482-2 IEC 61482-1-1 ELIM 32 CAL/CM<sup>2</sup> EN 13034 TYPE 6 EN ISO 20471 CLASS 2

#### **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** EN 343 CLASS 3:1 X

- · Protection against radiant, convective and contact heat
- · Lightweight, waterproof fabric with taped seams prevents water penetration
- Zip-off back turns this bib into a trouser for added versatility
- · Adjustable hem to accommodate all leg lengths
- · Adjustable straps with durable buckle closure
- · Pre-bent knees allow for increased freedom of movement
- Modaflame Rain: 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating and bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight, 350g
- 100% Cotton Flame Resistant Lining, 170g
- Orange/Navy S-3XL, Yellow/Navy S-3XL Reg: 31" or 79cm adjustable to Tall

33" or 84cm



**ZIP OFF FUNCTION AT** THE BACK TURNS THIS **INTO A TROUSER** 

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 EN 343



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### **FABRIC INFORMATION**

Constructed from 100% Polyester that is laminated to a TPU flame resistant membrane and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece, total weight 350g. This multi norm 3 layer softshell fabric is the latest evolution offering excellent flame, chemical, electric arc and waterproof protection whilst ensuring high visibility day and night.



95g laminated to a TPU flame resistant membrane 35g and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece 220g, total weight, 350g

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471

Orange/Navy S-4XL, Yellow/Navy S-4XL



### **INTERACTIVE WITH:**







306

4XL





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### MODAFLAME SOFTSHELL JACKET

EN ISO 11612 A1 B1 C2 EN ISO 11611 CLASS 2 A1 EN 1149-5

### IEC 61482-2 IEC 61482-1-2 APC 2 IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup> EN 13034 TYPE PB [6]

- · Inherent flame resistant qualities will not diminish with washing
- · Protects against radiant and convective heat
- Zipped pockets
- Drawcord adjustable hem
- Storm flap front to protect against the elements
- · Hook and loop cuffs for a secure fit

Modaflame Softshell: 100% Polyester 95g laminated to a TPU flame resistant membrane 35g and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece 220g, total weight, 350g

Navy S-3XL

**INTERACTIVE** 

LAYERING

**STYLE IDEAL FOR** 



### **INTERACTIVE WITH:**





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### **FABRIC INFORMATION**

Constructed from 61% modacrylic, 18% viscose, 15% polyester, 5% aramid, 1% carbon fibre, Modaflame HVO woven uses advanced technology to provide protection in a multi-risk environment. Inherently flame resistant and anti-static, this unique blend of fibres has highly effective moisture management properties and a comfortable handle. Certified to a range of standards including EN ISO 20471 Orange and RIS 3279, Modaflame HVO woven provides outstanding versatility and protection.





### COMPLIES TO RIS 3279 FOR THE RAIL INDUSTRY



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### MV35 MODAFLAME RIS ORANGE/NAVY JACKET

EN ISO 11612 A1+A2, B1, C1, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 7 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE 6 EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) ASTM F1959/F1959M-14E1 ATPV 8.1 CAL/CM<sup>2</sup> (HAF 73%)

Modaflame HVO Woven: 61% Modacrylic, 18% Viscose, 15% Polyester, 5% Aramid, 1% Carbon Fibre, 300g Orange/Navy S-3XL

\*Registered European Community Design



#### MODAFLAME RIS ORANGE/NAVY TROUSER EN ISO 11612 A1+A2, B1, C1, F1 EN ISO 11611 CLASS 1 A1+A2

**MV36** 

EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 7 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE 6 EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

ASTM F1959/F1959M-14E1 ATPV 8.1 CAL/CM<sup>2</sup> (HAF 73%)

Modaflame HVO Woven: 61% Modacrylic, 18% Viscose, 15% Polyester, 5% Aramid, 1% Carbon Fibre, 300g

\*Registered European Community Design







### ANTI-STATIC MODAFLA FLAME RESISTAN

### **FABRIC INFORMATION**

Modacrylic fibres provide inherent flame resistance, excellent dimensional stability and high elastic properties which allow garments to retain their shape. High cotton content gives the fabric comfort, warmth and a soft handle. Carbon fibre woven into the fabric gives inherent anti static properties.



### **OPTIMUM PROTECTION IN MULTI-**HAZARD ENVIRONMENTS



MV25 **HI-VIS MODAFLAME JACKET** 

EN ISO 11612 A1+A2, B2, C1, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] EN ISO 20471 CLASS 2

ASTM F1959/F1959M-12 ATPV=8.4 CAL/CM<sup>2</sup> (HAF=75.8%)

Modaflame: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 280g Yellow/Navy S-3XL



ELIM

**6.**4 Cal/Cm<sup>2</sup>

280a





**MV26 HI-VIS MODAFLAME TROUSER** EN ISO 11612 A1+A2, B2, C1, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] EN ISO 20471 CLASS 1 ASTM F1959/F1959M-12 ATPV=8.4 CAL/CM2 (HAF=75.8%)

Modaflame: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 280g

Yellow/Navy S-3XL, Yellow/Navy Tall M-XXL

310

### ANTI-STATIC MODAF FLAME RESISTAN



280a





MV46 **HI-VIS MODAFLAME TROUSER** EN ISO 11612 A1+A2, B2,C1,F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] EN ISO 20471 CLASS 2 ASTM F1959/F1959M-12 ATPV=8.4CAL/CM2(HAF=75.8%)

Modaflame: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 280g Yellow/Navy S-3XL Reg: 31" or 79cm adjustable to Tall 33" or 84cm

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 F1959/ ASTM





EN 1149 -5

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### **HI-VIS MODAFLAME COVERALL**

EN ISO 11612 A1+A2, B2, C1, F1 EN ISO 11611 CLASS 1 A1+A2

IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE 6 EN ISO 20471 CLASS 3 ASTM F1959/F1959M-12 ATPV=8.4 CAL/CM<sup>2</sup> (HAF=75.8%) Modaflame: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 280g Yellow/Navy S-5XL, Yellow/Navy Tall M-XXL 5XL ASTM EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 F1959/ CAT ш

### ANTI-STATIC MODA FLAME FLAME RESISTANT

WX3 new inherent flame resistant products offer exceptional wear resistance, functionality, comfort and style. Made from Portwest's premium inherent flame-resistant Modaflame fabrics which guarantee maximum protection when working in the most challenging of environments. High performance stretch fabrics are used at key movement areas giving greater ease of movement and flexibility when working.





### PREMIUM INHERENT FLAME PROTECTION











CAT

F1959M-12

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 F1959M-12 313

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034





### **FABRIC INFORMATION**

The Modaflame HVO Knit range is strong, durable and highly innovative. This fabric has the ability to withstand heat and flame and protect against the danger caused by static electricity and flame. These inherent flame resistant properties will not diminish with repeated washing.





### ANTI-STATIC MODA FLAME<sup>TM</sup> FLAME RESISTANT

### **FABRIC INFORMATION**

Constructed from an inherently fire resistant yarn of 60% modacrylic, 39% cotton and 1% carbon fibre. Tested to exceed the required EN Standards, the Modaflame Knit range is strong, durable and highly innovative. This fabric has the ability to withstand heat and flame and protect against the danger caused by static electricity and flame. These inherent flame resistant properties will not diminish with repeated washing.

























## FR81



EN ISO 11612 A1. B1. C1. F1 EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 9.2 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 86%)

- · Inherent flame resistant qualities will not diminish with washing
- · Protection against radiant, convective and contact heat
- · 2 pockets for secure storage
- · High cotton content for superior comfort
- · Grown on hood is stylish and practical
- · Ribbed hem for a comfortable fit

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 300g Navy S-5XL

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Cal/Cm





- · Elasticated cuffs for a secure fit
- · Zipped pockets

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 280g Navy S-3XL

## **FULLY COMPATIBLE WITH** MV70, S770 AND S779 OUTER JACKÉTS











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#### FLAME RESISTANT ANTI-STATIC LEGGINGS EN ISO 11612 A1, B1, C1, F1 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM<sup>2</sup>

IEC 61482-2 IEC 61482-1-2 APC 1 ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup> (HAF = 66%)  $\cdot$  Inherent flame resistant qualities will not diminish with washing

· Protection against radiant, convective and contact heat · Fully elasticated waistband for ultimate wearer comfort · Ribbed hem for a comfortable fit

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 200g Navy S-4XL





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## FLAME RESISTANT ANTI-STATIC LONG SLEEVE

**T-SHIRT** 

EN ISO 11612 A1, B1, C1, F1 EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1

- ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM2 (HAF = 66%)
- · Inherent flame resistant gualities will not diminish with washing
- $\cdot$   $\,$  Protection against radiant, convective and contact heat
- · Flame resistant ribbed cuff for added safety
- · High cotton content for superior comfort
- · Ribbed cuffs for added comfort
- · Outstanding colour fastness and shrinkage results

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fibre, 200g

Black S-3XL, Grey S-3XL, Navy XS-5XL











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EN ISO 14116 INDEX 3 EN 1149 -5 EN 13034 TYPE PB [6] EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

EN ISO 14116 EN 1149 EN 13034 EN ISO 20471

EN ISO

Bizflame Rain: 98% Polyester, 2% Antistatic Carbon Fibre, Breathable, PU Coated, 250g Breathable, PU Coated, 250g 100% Cotton Flame Resistant Lining, 170g 100% Modacrylic Flame Resistant, 150g



**BIZFLAME RAIN UNLINED HI-VIS ANTISTATIC FR TROUSER** EN ISO 14116 INDEX 1

EN 1149 -5 EN 13034 TYPE PB [6] EN ISO 20471 CLASS 1 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:3 X

Bizflame Rain: 98% Polyester, 2% Antistatic Carbon Fibre, Breathable, PU Coated, 250g Orange S-3XL, Yellow S-4XL

4XL









III







EN ISO 4 14116 EN 1149 EN 13034 EN ISO 20471 EN 343

EN ISO

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FR

PADDED

570g

S775 **BIZFLAME RAIN HI-VIS MULTI COVERALL EN ISO 14116 INDEX 3** EN 1149 -5 EN 13034 TYPE 6 EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) EN 343 CLASS 3:1 X · Flame resistant treated waterproof fabric prevents water penetration

- · Multiple utility pockets providing ample storage • Fully lined and padded to trap the heat and increase warmth
- · Zipped ankles for easy fitting over work boots
- Storm flap front to protect against the elements · Contrast panels for protection against dirt

Bizflame Rain: 98% Polyester, 2% Antistatic Carbon Fibre, Breathable, PU Coated, 250g

100% Cotton Flame Resistant Lining, 170g 100% Modacrylic Flame Resistant, 150g Orange/Navy S-3XL, Yellow/Navy S-3XL



HI-VIS, FLAME, CHEMICAL, ANTI-**STATIC AND** WATERPROOF PROTECTION **COMBINED** 







LINED

770g

### S770 BIZFLAME RAIN MULTI PROTECTION JACKET EN ISO 14116 INDEX 3 EN 1149 -5

EN 13034 TYPE PB [6] EN 343 CLASS 3:3 X

Bizflame Rain: 98% Polyester, 2% Antistatic Carbon Fibre, Breathable, PU Coated, 250g 100% Cotton Flame Resistant Lining, 170g Full Zip Around Removable Fleece Lining 350g Navy S-3XL

## **INTERACTIVE WITH:**







18

MMM

4XL

## BIZFLAME RAIN FR MULTI-PROTECTION

**TROUSER** EN ISO 14116 INDEX 3 EN 1149 -5 EN 13034 TYPE PB [6] EN 343 CLASS 3:3 X

Bizflame Rain: 98% Polyester, 2% Antistatic Carbon Fibre, Breathable, PU Coated, 250g 100% Cotton Flame Resistant Lining, 170g Navy S-4XL





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PADDED

570g



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## S78<u>5</u> **BIZFLAME RAIN ANTI-STATIC FR JACKET** EN ISO 14116 INDEX 3 EN 1149 -5 EN 13034 TYPE PB [6] EN 343 CLASS 3:1 X EN 14058 CLASS 3 · Flame resistant treated waterproof fabric prevents water penetration

- · Internal chest pocket · Storm flap front to protect against the elements
- · External standards label for quick 4
  - identification of protection levels
  - Ribbed cuffs for added comfort
  - · Fully lined and padded to trap the heat and increase warmth
    - Bizflame Rain: 98% Polyester, 2% Antistatic Carbon Fibre, Breathable, PU Coated, 250g
    - 100% Cotton Flame Resistant Lining, 170g
    - 150g
    - 170g 100% Modacrylic Flame Resistant,

BACK

EN ISO 14116 EN 1149 EN 13034 EN 343 EN 14058

Navy S-3XL, Red S-3XL

DEDEE

ABETE





570g



6XL

CE

EN ISO 14116 BACK

EN 1149 EN 13034 EN 343



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## **FABRIC INFORMATION**

Constructed from a flame resistant, PU coated, polyester fabric 260g, the lightweight and durable Sealtex Flame suit is designed to offer full protection against adverse weather conditions and flame hazards.

**260**g

## **STRETCHY PU COATED FABRIC** WITH WELDED SEAMS



SEALTEX FLAME HI-VIS JACKET EN ISO 14116 INDEX 1 EN 1149 -5 EN 13034 TYPE 6 EN ISO 20471 CLASS 3

EN 343 CLASS 3:1 X

- · Waterproof with welded seams to prevent water penetration · Durable and stretchy with wipe clean finish
- · Concealed stud and zip fastening
- · Stud adjustable cuffs for a secure fit
- · Heat applied flame resistant tape
- Hood for added protection against the elements

#### Sealtex Flame: 100% Polyester, FR & Antistatic, PU Coated, 260g Orange S-3XL, Yellow XS-5XL





5X

## SEALTEX FLAME HI-VIS TROUSER EN ISO 14116 INDEX 1

EN 1149 -5 EN 13034 TYPE 6 EN ISO 20471 CLASS 1 EN 343 CLASS 3:1 X

- · Waterproof with welded seams to prevent water penetration
- · Lightweight and comfortable
- Durable and stretchy with wipe clean finish
- Stud adjustable hems for a secure fit
- · Heat applied flame resistant tape
- · Fully elasticated waistband for ultimate wearer comfort

Sealtex Flame: 100% Polyester, FR & Antistatic, PU Coated, 260g







260g



## COMPLETE WATERPROOF PROTECTION -HIGH TECHNOLOGY FLEXIBLE FINISH







FR46 SEALTEX FLAME JACKET EN ISO 14116 INDEX 1 EN 1149 -5 EN 13034 TYPE 6

EN 343 CLASS 3:1 X

- $\cdot\;$  Waterproof with welded seams to prevent water penetration
- $\cdot\;$  Durable and stretchy with wipe clean finish
- · Concealed stud and zip fastening
- Stud adjustable cuffs for a secure fit
- · Lightweight and comfortable
- · 2 pockets for secure storage

Sealtex Flame: 100% Polyester, FR & Antistatic, PU Coated, 240g



FR47 SEALTEX FLAME TROUSER EN ISO 14116 INDEX 1 EN 1149 -5 EN 13034 TYPE 6 EN 343 CLASS 3:1 X

- · Waterproof with welded seams to prevent water penetration
- · Lightweight and comfortable
- $\cdot\,$  Durable and stretchy with wipe clean finish
- $\cdot~$  Stud adjustable hems for a secure fit
- Drawcord adjustable waist for a comfortable fit
- $\cdot\;$  Fully elasticated waistband for ultimate wearer comfort

Sealtex Flame: 100% Polyester, FR & Antistatic, PU Coated, 240g











LINED

## FABRIC INFORMATION

ELIM

43

Cal/Cm<sup>2</sup>

5500

Conforming to seven EN standards, this 80% cotton, 19% Polyester, 1% anti-static, two layer PTFE lamination, PU Coated, Fluorocarbon finish, 380 gm fabric combines long term protection with superior comfort and appearance.

LINED

ELIM

43

Cal/Cm<sup>2</sup>

550a

## MULTI-NORM HAZARD PROTECTION



**FR79 BIZFLAME MULTI ARC HI-VIS JACKET** EN ISO 11612 A1, A2, B1, C1, E2 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 43 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE 6 EN ISO 20471 CLASS 3 EN 343 CLASS 3:3 X

Bizflame Multi Rain: 80% Cotton, 19% Polyester, 1% Antistatic Carbon Fibre, two-layer PTFE lamination, PU Coated, Fluorocarbon Finish, 380g 100% Cotton Flame Resistant Lining, 170g Vellow/Navy M-XXL

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EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 EN 343

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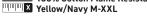
| 12         | UK<br>CA |
|------------|----------|
| CE         | FR,IW    |
| 40.<br>UPF | 10go     |

FR78

#### BIZFLAME MULTI ARC HI-VIS TROUSER EN ISO 11612 A1, A2, B1, C1, E2 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 43CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE 6 EN ISO 20471 CLASS 2 EN 343 CLASS 3:3 X

Bizflame Multi Rain: 80% Cotton, 19% Polyester, 1% Antistatic Carbon Fibre, two-layer PTFE lamination, PU Coated, Fluorocarbon Finish, 380g 100% Cotton Flame Resistant Lining, 170g





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## FABRIC INFORMATION

Manufactured from 99% Cotton, 1% Carbon fibre 345g Bizflame Multi has been expertly developed to provide hi-vis, flame, welding, electric arc and anti-static protection while offering guaranteed wearer comfort.

ELIM

Cal/Cm<sup>2</sup>

3450

3 1



## **HIGHEST PROTECTION AGAINST MOLTEN IRON SPLASH**



FR61 **HI-VIS MULTI-NORM JACKET** EN ISO 11612 A1+A2, B1, C1, E3, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 13 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] EN ISO 20471 CLASS 3 ASTM F1959/F1959M-12 ATPV = 13.6 CAL/CM<sup>2</sup> (HAF = 82%)

Bizflame Multi: 99% Cotton, 1% Carbon Fibre, 345g Yellow/Navy S-3XL



MANIKIN TEST **RESULTS FOR:** FR61 & FR62

**Burn Injury** Prediction 0%



1st° Burn (0%) 2nd° Burn (0%) 3rd° Burn (0%)

IEC 61482-2 IEC 61482-1-2 APC 1



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IEC 61482-2 IEC 61482-1-1 ELIM 13 CAL/CM<sup>2</sup>

ASTM F1959/F1959M-12 ATPV = 13.6 CAL/CM<sup>2</sup> (HAF = 82%)

🗱 Bizflame Multi: 99% Cotton, 1% Carbon Fibre, 345g Yellow/Navy S-3XL

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EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 F1959M-12 335

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F1959

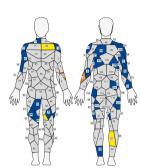




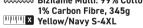
MANIKIN TEST RESULTS FOR: FR60

### Burn Injury Prediction 0.9 %

Pain (21.1%),
 1st° Burn (2.6%)
 2nd° Burn (0.9%)
 3rd° Burn (0.0%)







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EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 F1959M-12



ELIM

Cal/Cm<sup>2</sup>

345a

## OUTSTANDING ACHIEVEMENT:

This innovative product has been awarded the prestigious BSIF award for Best Product. The multinorm fabric combined with the functional garment design is the result of extensive research and development aimed at creating an industry leading garment.

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336

4XL





## FABRIC INFORMATION

This fabric has been designed and developed to provide flame, welding and anti static protection.

Constructed from 99% cotton and 1% carbon fibre, 330g. The carbon fibres are evenly spread along the warp to achieve optimum anti static protection.

330g





HI-VIS BIZFLAME PRO TROUSERS EN ISO 11612 A1+A2, B1, C1, E3, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 EN ISO 20471 CLASS 2

















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# OUTSTANDING PROTECTION - OUTSTANDING VALUE





BIZFLAME PRO JACKET EN ISO 11612 A1+A2, B1, C1, E3, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5

Bizflame Pro: 99% Cotton, 1% Carbon Fibre, 330g



BIZFLAME PRO TROUSERS EN ISO 11612 A1+A2, B1, C1, E3, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5





330g



330g

FR37 BIZFLAME PRO BIB AND BRACE EN ISO 11612 A1+A2, B1, C1, E3, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5

EN ISO 11612 EN ISO 11611 EN 1149

Bizflame Pro: 99% Cotton, 1% Carbon Fibre, 330g



**BIZFLAME PRO COVERALL** EN ISO 11612 A1+A2, B1, C1, E3, F1 EN ISO 11611 CLASS 1 A1+A2







## **INDUSTRIALLY** LAUNDERABLE



MEETS **INDUSTRIAL** LAUNDRY REQUIREMENTS

WASH AT 75°C - TUNNEL DRY AT 155°C

## **FABRIC INFORMATION**

Bizflame Ultra is blended from 80% cotton, 19% FR polyester and 1% carbon fibre, 340g. The FR polyester content in Bizflame Ultra provides excellent abrasion, shrinkage and colour fastness. This fabric is tough enough to withstand the rigours of industrial laundry making it ideal for the off shore industry.

FR08 342



## INDUSTRIALLY LAUNDERABLE

| 18         | UK<br>CA |
|------------|----------|
| CE         | FR,IW    |
| 40.<br>UPF | 5        |
|            | Ì        |
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**BIZFLAME ULTRA TWO TONE JACKET** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6]

ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g Grey S-3XL, Royal Blue S-3XL

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 F1959/ ASTM CAT

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ELIM

11

Cal/Cm<sup>2</sup>

340g









**BIZFLAME ULTRA TWO TONE TROUSER** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g Grey, Royal Blue

Short: 29" or 74cm adjustable to Reg 31" or 79cm Reg: 31" or 79cm adjustable to Tall 33" or 84cm







**BIZFLAME ULTRA TWO TONE BIB & BRACE** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2

IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>

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IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6]

ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g

Grey S-3XL, Royal Blue S-3XL Short: 29" or 74cm adjustable to Reg 31" or 79cm Reg: 31" or 79cm adjustable to Tall 33" or 84cm

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EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 F1959M-12

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## WITHSTANDS THE RIGOURS OF INDUSTRIAL LAUNDRY





## **100% METAL FREE**



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BIZFLAME ULTRA JACKET EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1 + A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g Navy S-3XL, Orange S-3XL

BIZFLAME ULTRA TROUSER EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6]

ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g

Short: 29" or 74cm adjustable to Reg 31" or 79cm Reg: 31" or 79cm adjustable to Tall 33" or 84cm











BIZFLAME ULTRA BIB & BRACE EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 EN 13034 TYPE PB [6] ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g

Navy S-3XL, Navy Short S-3XL, Orange S-3XL, Orange Short S-3XL

Short: 29" or 74cm adjustable to Reg 31" or 79cm Reg: 31" or 79cm adjustable to Tall 33" or 84cm

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ELIM

9

Cal/Cm<sup>2</sup>

210a

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## **FABRIC INFORMATION**

Our Bizflame Plus Stretch collection combines innovative lightweight flame-resistant fabric with cutting-edge design and a modern fit. High-performance stretch fabrics are used at key movement areas to provide unparalleled ease of movement and supreme flexibility when working. Back ventilation provides great wearer comfort and improved breathability in hot conditions. Engineered for active work, this range is perfect for the demands of the offshore industry.

NEW

ELIM

9

Cal/Cm<sup>2</sup>

210a



FR,IW

## **BIZFLAME PLUS LIGHTWEIGHT STRETCH PANELLED JACKET** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 EN 1149 -5

- IEC 61482-2 IEC 61482-1-1 ELIM 9 CAL/CM<sup>2</sup>
- Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
- Protection against radiant, convective and contact heat Sleeve pocket
- $\cdot\,\,$  Back vents on upper and lower back for maximum breathability
- · 100% metal free
- · Hook and loop cuffs for a secure fit

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 210g Bizflame Plus Stretch: 97% Cotton, 2% Elastane, 1% Carbon Fibre, 210g Navy S-3XL, Orange S-3XL





#### **BIZFLAME PLUS LIGHTWEIGHT STRETCH** PANELLED TROUSER EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2

- - EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 9 CAL/CM<sup>2</sup> Innovative stretch panelling in key movement areas provides excellent
  - comfort and flexibility
  - Protection against radiant, convective and contact heat
  - Easy access cargo pocket
  - Rule pocket

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- Two back pockets
- · Stretch crotch gusset provides maximum flexibility and reduces stress

## 💥 Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 210g Bizflame Plus Stretch: 97% Cotton, 2% Elastane, 1% Carbon

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Fibre, 210g

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EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2

Navy S-3XL, Orange S-3XL Reg: 31" or 79cm adjustable to Tall 33" or 84cm

4







MANIKIN TEST RESULTS FOR: FR50

#### Burn Injury Prediction 0.0 %

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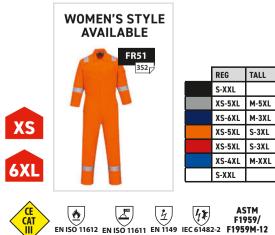
Pain (12.3%), 1st° Burn (0.9%)

- 2nd° Burn (0.0%)
- 3rd° Burn (0.0%)





Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g Black, Grey, Navy, Orange, Red, Royal Blue, White



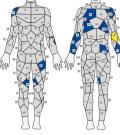




## MANIKIN TEST RESULTS FOR: FF50

#### Burn Injury Prediction 0.0 %

Pain (12.3%),
 1st° Burn (0.9%)
 2nd° Burn (0.0%)
 3rd° Burn (0.0%)



# FF50 ABERDEEN FR COVERALL EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-1 ADC 1

 IEC 61482-2 IEC 61482-1-2 APC 1

 ASTM F1959/F1959M-12 ATPV=13.6 CAL/

 CM<sup>2</sup> (HAF=82%)

 4.0

 Protection against radiant, convective and

- contact heat
  - Class 2 welding protection
  - Two back patch pockets
  - Rule pocket
     Stud adjustable cuffs fr

Stud adjustable cuffs for a secure fit
 Triple-stitched seams for extra durability

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g Navy, Orange, Red





350g

UK/USA SIZING



## **MANIKIN TEST RESULTS FOR:** FR28

#### **Burn Injury** Prediction 1.8 %

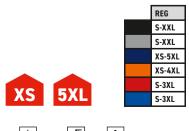
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Pain (19.3%), 1st° Burn (0.0%) 2nd° Burn (1.8%) 3rd° Burn (0.0%)





Black, Grey, Navy, Orange, Red, Royal Blue



## EN ISO 11612 EN ISO 11611 EN 1149

2





280g



## LIGHTWEIGHT **FLAME RESISTANT** PROTECTION

210g

MANIKIN TEST **RESULTS FOR:** FR21

## **Burn Injury** Prediction 19.0 %

Pain (48.0%), 1st° Burn (6.0%) 2nd° Burn (19.0%) 3rd° Burn (0.0%)









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EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959M-12

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EN ISO 11612 EN ISO 11611 EN 1149





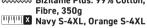
FR25 18 ČÀ

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**BIZFLAME PLUS JACKET** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5 CE IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 FR,IW ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)  $\cdot$   $\,$  Protection against radiant, convective and contact heat

- · Class 2 welding protection
- 5 Two lower pockets with stud closure
  - Two chest pockets with stud closure · Concealed stud and zip fastening
  - · Hook and loop cuffs for a secure fit

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g





MANIKIN TEST **RESULTS FOR:** FR25 & FR26

**Burn Injury** Prediction 3.0 %

Pain (35.0%), 1st° Burn (2.0%) 2nd° Burn (3.0%) 3rd° Burn (0.0%)

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959/-12

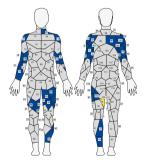


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#### **MANIKIN TEST RESULTS FOR:** FR25 & FR27

**Burn Injury** Prediction 0.0 %

Pain (24.0%), 1st° Burn (1.0%) 2nd° Burn (0.0%) 3rd° Burn (0.0%)



4XL

CAT III









FR26 **BIZFLAME PLUS TROUSER** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g Tall M-XXL



## FR27 FR,IW

**BIZFLAME PLUS BIB AND BRACE** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g

ASTM





## 8.6 Cal/Cm<sup>2</sup> 350g

ELIM

1

**BIZFLAME PLUS JACKET** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5

#### E IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 FR,IW ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

- · Protection against radiant, convective and contact heat
- · Class 2 welding protection
- · Two lower pockets with stud closure
- Two chest pockets with stud closure
- · Zip opening with concealed press studs
- · Contrast colouring for added style

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g

#### MANIKIN TEST **RESULTS FOR:** FR55 & FR56

**Burn Injury** Prediction 3.0 %

Pain (35.0%), 1st° Burn (2.0%) 2nd° Burn (3.0%) 3rd° Burn (0.0%)

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959/-12



ASTM F1959/

#### MANIKIN TEST **RESULTS FOR:** FR55 & FR57

**Burn Injury** Prediction 0.0 %

Pain (24.0%), 1st° Burn (1.0%) 2nd° Burn (0.0%) 3rd° Burn (0.0%)



40₀ UPF

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FR55

4XL

CAT III







5



ELIM

8.6

Cal/Cm<sup>2</sup>

350g









FR56 **BIZFLAME PLUS TROUSER** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1 ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM2 (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g

48

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ASTM

F1959/



4XL

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FR57 **BIZFLAME PLUS BIB AND BRACE** EN ISO 11612 A1+A2, B1, C1, E2, F1

EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5 IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup> IEC 61482-2 IEC 61482-1-2 APC 1

ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

48

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Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g

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EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959M-12

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670g

## <u>ین</u>

## FR ANTI-STATIC WINTER COVERALL

EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 2 A1+A2 EN 1149 -5

#### EN 342 0.318 (M<sup>2</sup>.K/W), 2, X

FR53

- FR
   Protection against radiant, convective and contact heat
- FR cotton lined for added warmth and comfort
  - Concealed brass zips on chest pockets
     Two back patch pockets
  - Action back for extra freedom of movement
     Durable, strong and long lasting brass zip
  - Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g 100% Cotton Flame Resistant Lining,
  - 170g 100% Polyester Flame Resistant
  - Filling, 150g
    - Navy S-3XL, Orange S-3XL, Royal Blue S-3XL, Red S-3XL, Orange Tall M-XXL

## WINTER GARMENTS DESIGNED FOR THE OIL & GAS INDUSTRY









FR69

EN 1149 -5 EN 13034 TYPE PB [6]

EN ISO 11612 A1, B1, C2

24

2

 $\underline{\psi}$ 

160a











ELIM 9\_1 Cal/Cm<sup>2</sup>

237g





UPF

2

#### BIZFLAME 88/12 FR SHIRT EN ISO 11612 A1+A2, B1, C1 NFPA<sup>®</sup> 70E NFPA® 2112 ASTM F1506-10A IEC 61482-2 IEC 61482-1-1 ELIM 9.1 CAL/CM<sup>2</sup> ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM<sup>2</sup> ARC (HAF 69.1%) · Lightweight and comfortable

- · Dual hazard protection
- Two chest pockets with button and flap closure
- · Pen division on left pocket
- · Shirt tail hem stays tucked in
- · Button cuffs for a secure and comfortable fit

## Bizflame 88/12: 88% Cotton, 12% Nylon,

5XL ASTM (₫ 43 NFPA EN ISO 11612 IEC 61482-2 F1959M-12 2112

ê NFPA 70E

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1

## **FABRIC INFORMATION**

This smooth, high-performance interlock knit is made from 99% cotton, 1% antistatic. The fabric offers superior strength and a lightweight feel offering the wearer superb working comfort. Bizflame Knit offers outstanding protection against electric arc with a minimum ATPV rating of 10 Cal/cm<sup>2</sup>.





**NOR** 120a FR85 HI-VIS ANTI STATIC JACKET - FLAME RESISTANT EN ISO 14116 INDEX 1 EN 1149 -5 EN ISO 20471 CLASS 3 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) · Anti-static · Premium sew on flame resistant reflective tape FR · Hook and loop closure for easy access 100% metal free · Lightweight and comfortable · Generous fit for wearer comfort Bizflame Work Antistatic: 98% Polyester 2% Carbon Fibre, Warp Knitted, 120g ANTI-Orange S/M-XXL/3XL, Yellow S/M-XXL/3XL STATIC CARBON FIBRE EN ISO 4 14116 EN 1149 EN ISO 20471 3279 120g FR71 HI-VIS ANTI STATIC VEST - FLAME RESISTANT EN ISO 14116 INDEX 1 EN 1149 -5 EN ISO 20471 CLASS 2 RIS 3279 TOM ISSUE 2 (ORANGE ONLY) Anti-static FR · Premium sew on flame resistant reflective tape · Hook and loop closure for easy access · 100% metal free · Lightweight and comfortable · Generous fit for wearer comfort Bizflame Work Antistatic: 98% Polyester 2% Carbon Fibre, Warp Knitted, 120g Yellow S/M - 4XL/5XL, Orange S/M - XXL/3XL ANTI-STATIC CARBON **FIBRE** RIS EN ISO 4 14116 EN 1149 EN ISO 20471 5XL FR75 HI-VIS FR VEST 120g EN ISO 14116 INDEX 1 EN ISO 20471 CLASS 2 **RIS 3279 TOM ISSUE 2 (ORANGE ONLY)** · Premium sew on flame resistant reflective tape · Hook and loop closure for easy access • 100% metal free FR · Lightweight and comfortable · Generous fit for wearer comfort · Available in sizes up to 5XL Bizflame Work: 100% Polyester, Warp Knitted, 120g

5XL



## FABRIC INFORMATION

Bizweld is a proprietary, flame resistant, 100% high grade cotton fabric. This is a high technology fabric developed for maximum performance, comfort and durability.

ELIM

8.3

Cal/Cm

330g

ELIM

8.3

Cal/Cm<sup>2</sup>

330a

## VERSATILE FLAME AND WELDING PROTECTION





**BZ13 BIZWELD IONA JACKET** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 IEC 61482-2 IEC 61482-1-1 ELIM 8.3 CAL/CM<sup>2</sup> ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM<sup>2</sup> (HAF = 80.4%)

Bizweld: 100% Cotton, FR Finish, 330g





**BZ14** 

IONA

FR

3



BIZWELD IONA TROUSER EN ISO 11612 A1+A2, B1, C1, E2, F1

IEC 61482-2 IEC 61482-1-1 ELIM 8.3 CAL/CM<sup>2</sup>

Bizweld: 100% Cotton, FR Finish, 330g

ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM<sup>2</sup> (HAF = 80.4%)

EN ISO 11611 CLASS 1 A1 + A2



EN ISO 11612 EN ISO 11611 IEC 61482-2 F1959/ ASTM

ASTM F1959/

EN ISO 11612 EN ISO 11611 IEC 61482-2 F1959/

XS

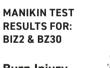
5XL



BIZ2 **BIZWELD JACKET** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 IEC 61482-2 IEC 61482-1-1 ELIM 8.3 CAL/CM<sup>2</sup> ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM<sup>2</sup> (HAF = 80.4%)

Bizweld: 100% Cotton, FR Finish, 330g Black S-3XL, Navy XS-5XL, Orange S-3XL, Royal Blue S-3XL





**Burn Injury** Prediction 5.3%

Pain (28.9%), 1st° Burn (0.0%) 2nd° Burn (4.4%) 3rd° Burn (0.9%)



ASTM

ELIM

8.3

Cal/Cm<sup>2</sup>

330g



**BZ30 BIZWELD TROUSERS** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 IEC 61482-2 IEC 61482-1-1 ELIM 8.3 CAL/CM<sup>2</sup> ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM<sup>2</sup> (HAF = 80.4%)

Bizweld: 100% Cotton, FR Finish, 330g

|                         | REG               | TALL                           |                            |
|-------------------------|-------------------|--------------------------------|----------------------------|
|                         | S-XXL             | M-XL                           |                            |
|                         | XS-5XL            | S-3XL                          |                            |
|                         | S-XXL             |                                |                            |
| XS 5XL                  | S-XXL             | M-XL                           |                            |
| CE<br>CAT<br>III<br>366 | ) (<br>1611 IEC ( | 4 <b>1</b><br>51482-2 <b>1</b> | ASTM<br>F1959/<br>1959M-12 |







EN ISO 11612 EN ISO 11611 IEC 61482-2 F1959/ 







**BZ31 BIZWELD FR CARGO PANT** EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2 IEC 61482-2 IEC 61482-1-1 ELIM 8.3 CAL/CM<sup>2</sup> NFPA® 70E NFPA® 2112

- ASTM F1506-10A ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM<sup>2</sup> (HAF = 80.4%)
- · Dual hazard protection
- $\cdot$   $\,$  Protection against radiant, convective and contact heat
- · Rule pocket
- $\cdot \,$  Two back patch pockets
- · Available in sizes up to 5XL
- · Easy access cargo pocket
- Bizweld: 100% Cotton, FR Finish, 330g







CE SAFE-WELDER COVERALL EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2

Safe Welder: 100% Cotton, 330g







## SAFEWELDER

Safewelder is made using premium split cowhide leather and stitched with para-aramid thread. Designed to last in the toughest environments, this collection offers enhanced protection when welding.





## **EXTRA PROTECTION FOR HEAVY WELDING JOBS**



## SW34

#### LEATHER WELDING JACKET EN ISO 11611 CLASS 2 A1

- Made with cowhide leather for a premium finish
- · Class 2 welding protection
- · Internal pocket for safe storage
- · Adjustable waist for a perfect fit
- · Concealed hook and loop fastening for easy closure
- · Hook and loop cuffs for a secure fit

Split Cowhide Leather, thickness 1.3 mm,

#### SW31 10



#### LEATHER WELDING TROUSER EN ISO 11611 CLASS 2 A1

- Made with cowhide leather for a premium finish
- · Class 2 welding protection
- · Button front closure
- · Wider belt loops for wider belts
- $\cdot \;$  Designed to be worn in a tough work environment · CE certified
- Split Cowhide Leather, thickness 1.3 mm,

## SAFEWELDER





#### LEATHER WELDING BOOT COVER EN ISO 11611 CLASS 2 A1

- · Class 2 welding protection
- · Designed with a comfort fit
- · Designed to be worn in a tough work environment
- · CE certified
- $\cdot \,$  This product is sold in pairs

Split Cowhide Leather, thickness 1.3 mm

## THE BEST WELDING ACCESSORIES ON THE MARKET

30



#### SW10 LEATHER WELDING APRON EN ISO 11611 CLASS 2 A1

- Made with cow suede leather for a premium finish
- Class 2 welding protection
  Chest pocket with hook and loop
- closure
- Ergonomic quick release buckle
  Adjustable straps for a secure fit
- Designed to be worn in a tough
- work environment

Split Cowhide Leather, thickness 1.3 mm







#### LEATHER WELDING SLEEVES EN ISO 11611 CLASS 2 A1

- · Class 2 welding protection
- Elasticated cuffs for a secure fit
- · Designed to be worn in a tough work environment
- · Designed with a comfort fit
- CE certified
- · This product is sold in pairs

Split Cowhide Leather, thickness 1.3 mm





- $\cdot~$  Class 2 welding protection
- · Designed with a comfort fit
- CE certified
- Designed to be worn in a tough work environment

Split Cowhide Leather, thickness 1.3 mm



## **FABRIC INFORMATION**

This lightweight fabric provides a level of comfort, softness and moisture management reducing the risk of heat stress in hot environments and designed to protect against the hazards of wildland fires.

#### **GARMENT BENEFITS**

- Tape on shoulders for overhead visibility
- High collar, offering full neck protection, designed to suit all helmets
- Radio pocket designed to suit all sizes
- Knitted cuffs / Tab and hook & loop adjustment to prevent debris entering sleeves when working overhead.

#### EN 15614

## TEST METHODS AND PERFORMANCE REQUIREMENTS FOR WILDLAND CLOTHING

This European standard specifies methods of test and minimum performance requirements for protective clothing, designed to protect the wearers body, except the head, hands and feet, to be worn in wildland firefighting and associated activities. This clothing is not intended to provide protection during fire entrapment. This European standard covers the general design of the clothing, the minimum level of performance for the materials employed and the methods of test to determine these levels.

This European standard is not applicable to clothing for use in situations encountered in structural firefighting (EN 469 and ISO 11613) or where a high level of radiant heat is expected (EN 1486), nor does this European standard cover clothing to protect against chemical, biological, electrical or radiation hazards. WILDLAND FIRE PROTECTION

15 ĽK (€ FR 40 3 ₩ 3

280a

FR98 WILDLAND FIRE COVERALL EN ISO 11612 A1+A2, B1, C1 EN 15614 EN 1149 -5

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 280g





## STRUCTURAL FIRE SUITS

Structural Fire Suits can endure high levels of heat for brief periods of time without combusting and burning and therefore minimises body burn percentage when exposed to heat and flames.

The Structural Fire Suit has three components: an outer shell, a moisture barrier, and a thermal barrier, all serving a different function. The outer layer protects against flame injury and burns caused by conductive heat. The moisture barrier protects against water penetration and allows internal moisture vapour to escape.

It is imperative that the layers are kept dry to avoid the transfer of heat in a convective manner from the outer layer through the layers to the skin. The inner thermal barrier and lining offers protection against heat from proximity to flame. In between each of these layers are pockets of air and together with the fabric layers, they help to further insulate the wearer from the extreme environments of fires.

## **STRUCTURAL FIRE SUITS**

#### **FABRIC INFORMATION**

Outer shell is made of 60% Nomex<sup>®</sup> from DuPont and 40% Lenzing<sup>®</sup> FR Viscose 260g

The breathable and waterproof moisture barrier is a 50% FR knitted polyester, 50% PU membrane, 85g.

The FR thermal liner is an FR non woven aramid felt quilted to a 50% aramid, 50% viscose, 260g.

#### **GARMENT BENEFITS**

The outer shell built with DuPont<sup>™</sup> Nomex<sup>®</sup> and with Lenzing<sup>®</sup> FR Viscose is an inherently flame-resistant fabric that stands up to heat, high abrasion resistance, strong colour fastness and protects the inner components.

The breathable PU membrane protects against external water penetration and allows body heat to escape.

The non woven thermal layer traps pockets of air to provide enhanced thermal protection and the inner woven layer protects against heat from proximity to flame.



#### EN 469: 2005 PROTECTIVE CLOTHING FOR FIREFIGHTERS

This European Standard specifies minimum levels of performance requirements for protective clothing to be worn during fire fighting operations and associated activities. Suits shall provide protection for the firefighters torso, neck, arms to the wrists, and leg to ankles during firefighting activities. A generous overlap suitable for all body movements shall be maintained between the jacket and trousers.

- Flame Spread
- Heat Transfer (Flame)
- Heat Transfer
- (Radiation)Residual Strength
- Heat Resistance
- Tensile Strength
- Tear Strength
- Surface Wetting
- Dimensional Change
- Resistance to
- penetration by Liquid Chemicals
- Resistance • Ergonomic

Penetration

Water Vapour

Resistance to Water

FB30

- RequirementsVisibility Reflex
- Whole Garment
- Whole Garment Testing (Optional)

FB31

#### **EXPLAINING THE STANDARD**

EN469 Level 2 Fire Suits is the higher requirement for structural fire fighting and is used by professional trained firefighters.

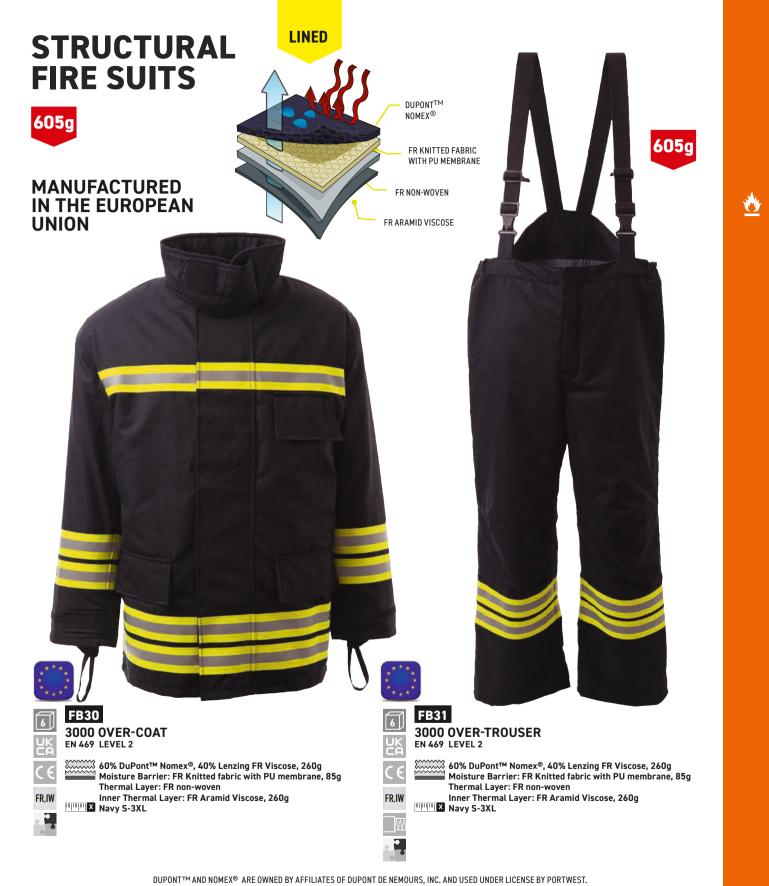
Level 2 Suits must include a waterproof moisture barrier



#### ALL LEVEL 2 FIRE SUITS WILL BE MARKED INTERNALLY AS FOLLOWS:

- Xf2 Level 2 Performance in Heat Test: Flame.
  - Xr2 Level 2 Performance in Heat Test: Radiation.
  - Y2 Level 2 Resistance against Water Penetration
- Z2 Level 2 Resistance against Water Vapour Resistance





CE CAT III EN 469 CAT III EN 469





## **GARMENT BENEFITS**

This range of Chemical Resistant garments has a treatment applied to the fabric, which provides superb liquid chemical resistance protection. Enclosed pockets and covered fastenings ensure corrosion does not occur. These EN certified styles give top performance and outstanding protection to those working in industries exposed to liquid chemical hazards.



## **GARMENT BENEFITS**

**ESD** 

(ELECTROSTATIC

**DISCHARGE**)

A build up of electrostatic discharge (ESD) can damage sensitive electronic components or give fire risks when handling solvents and other flammable materials. These garments are perfect for use in electrostatic protected areas. Conductive fibres in garments work by preventing the static charge build up by allowing it to dissipate through the conductive fibres and go to earth.





## PERFECT FOR USE IN ELECTROSTATIC PROTECTED AREAS

# WED 117 VEADE OF

OVER 117 YEARS OF WORKWEAR INNOVATION

066 HT

PW210 159

PW240 160

Portwest workwear offers a range of designs and features suitable for many end uses. Quality fabrics and construction techniques are used guaranteeing comfort and safety. Tested to withstand the rigours of everyday wear each garment has been carefully designed and manufactured to ensure optimum quality at the best price.

| 날 KINGS | MILL |
|---------|------|
| COTTO   |      |
| STRET   | СН   |
|         |      |

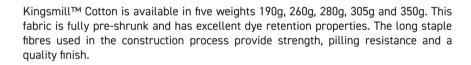
Kingsmill<sup>™</sup> Cotton Stretch is a premium cotton stretch fabric. This twill weave blend of 98% cotton and 2% elastane provides the ultimate in comfort and flexibility. The high cotton content gives an ultra soft handle, and the added elastane delivers ease of movement.

| ¥   | <b>KINGSMILL</b> <sup>**</sup> |
|-----|--------------------------------|
| POL | Y-COTTON                       |
| ST  | RETCH                          |

Kingsmill<sup>™</sup> Polycotton Stretch fabric is constructed from 65% polyester, 33% cotton and 2% elastane. This premium workwear fabric offers excellent abrasion and tearresistant properties whilst the stretch function ensures full ease of movement for the wearer.

KINGSMILL Polyester STRETCH Kingsmill<sup>™</sup> Polyester Stretch is a four-way stretch fabric made from 93% polyester, 7% elastane 270g. This blend provides ease of movement and effortless comfort in active use. The fabric delivers technical superiority with high breathability, moisture wicking and fast drying properties.

KINGSMILL<sup>®</sup>



KINGSMILL COTTON RICH Kingsmill<sup>™</sup> Cotton Rich fabric is 60% Cotton 40% Polyester 245g. This blend provides the ultimate in comfort and practicality. The high cotton content gives Kingsmill Cotton Rich its ultra soft handle and ensures it washes well at sixty degrees. Polyester provides durability and moisture wicking properties.

KINGSMILL<sup>™</sup> is 65% Polyester 35% Cotton and is available in four weights; 300g, 245g, 210g and 190g. This fabric guarantees high performance and maximum comfort. The yarns are all ring spun with long staple combed cotton providing a smooth handle and excellent pilling resistance. The material is fully pre-shrunk and has superior dye retention



Kingsmill Polycotton Canvas is constructed using 65% Polyester, 35% Cotton Canvas 280g with a Peach Finish. This blend offers the ultimate in durability and performance. The fabric finish gives the garments an ultra-soft handle for all day exceptional comfort.

All Kingsmill<sup>™</sup> fabric has a UPF rating of 40+ so will block 98% of the UV rays which fall on the garment.



Eco-conscious products using certified recycled or sustainable materials.

KINGSMILL, PORTWEST TEXO AND IONA are trademarks of Portwest.

WORKWEAR

## OVER 115 STYLES, DESIGNED WITH DURABILITY AND COMFORT IN MIND



A selection of premium fabrics and advanced construction techniques have been used, guaranteeing choice, comfort and ultimate wearer durability. The garments have been tested to ensure they will withstand the rigours of everyday wear.





Stretching the limits of comfort, safety and performance, Portwest's innovative and premium stretch fabrics provide unparalleled ease of movement and supreme flexibility.

The unique blend of materials offers both high performance and exceptional all-day comfort. Technically superior with high levels of breathability and excellent abrasion and tear resistance.



## INDEPENDENTLY TESTED AND PROVEN TO DELIVER EXCEPTIONAL STRETCH



2 way stretch fabric is made using an Elastane yarn woven into the fabric from edge to edge

## BENEFITS

SHAPE RETENTION PERMANENT ELASTICITY BUILT IN



Kingsmill<sup>™</sup> Polycotton innovative stretch fabric is constructed from 65% polyester, 33% cotton and 2% elastane. This premium workwear fabric offers excellent abrasion and tear-resistant properties whilst the stretch function ensures full ease of movement for the wearer. A UPF rating of 40+ on this fabric blocks 98% of the UV rays.

> 2% ELASTANE UP TO 5% STRETCH



Elastane stretch yarns are used to give the fabric elasticity. 4 way stretch fabrics have warp elasticity, weft elasticity and bidirectional elasticity for maximum flexibility

#### **BENEFITS**

OPTIMUM FLEXIBILITY PERMANENT ELASTICITY BUILT IN



Portwest's cutting edge Kingsmill<sup>™</sup> Polyester Stretch is a four-way stretch fabric made from 93% polyester, 7% elastane. This blend provides ease of movement and effortless comfort in active use. The fabric delivers technical superiority with high breathability, moisture wicking and fast drying properties. A UPF rating of 40+ will block 98% of the UV rays.

> 7% ELASTANE UP TO 30% STRETCH

> > Independently tested



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## STRETCH HOLSTER TROUSER



280a

SLIM FIT







WHITE/GREY



METAL GREY







W

DX440 DX4 DETACHABLE HOLSTER POCKET TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- 4-way stretch fabric for ease of movement and added comfort
   Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- 16 pockets for ample storage

FREE KNEE

PADS WITH

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g

Reg: Black 26-48, Metro Blue, Metal Grey, White/Grey 28-48 Short: Black 30-44



| REG: 31"(7       | 9CM) ADJUS <sup>.</sup> | TABLE TO 33" | (84CM)  |  |  |
|------------------|-------------------------|--------------|---------|--|--|
| INCH             | СМ                      | EU           | FR      |  |  |
| 26 - 48          | 68 - 124                | 42 - 64      | 34 - 60 |  |  |
| SHORT: 29"(74CM) |                         |              |         |  |  |
| 30 - 44          | 76 - 112                | 46 - 60      | 38 - 56 |  |  |



29 PET BOTTLES ARE RECYCLED TO MAKE THIS TROUSER

## 



WX3 ECO STRETCH HOLSTER TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

NEW

- Environmentally friendly certified recycled fabric 2-way twill stretch fabric for ease of movement and added comfort
- 13 pockets for ample storage

65% Recycled Polyester, 33% Cotton, 2% Elastane, 280g 100% Recycled Polyester 210g

## PORTWEST

| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |
|----------------------------------------|----------|---------|---------|--|
| INCH CM EU FR                          |          |         |         |  |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |

## **STRETCH HOLSTER TROUSER**







**OLIVE GREEN** 



METAL GREY



#### WX3 HOLSTER TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN

FREE KNEE PADS WITH THIS STYLE

- COMBINATION WITH S156)
- Durable soft polycotton canvas for high performance and maximum wearer comfort
- Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
- 12 Pockets for ample storage

Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish, 280g CorePro: 88% Nylon 12% Elastane 275g

Metal Grey, Olive Green, Persian Blue

## KX)3

270a

**SLIM** FIT



## KX343

#### **KX3 HOLSTER JOGGER** EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156) LEVEL 0 (WHEN USED IN **COMBINATION WITH S156)**

- 4-way stretch fabric for ease of movement and added comfort
- · Zip off holster pockets for added versatility
- · 10 pockets for ample storage

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane,



270g CorePro: 88% Nylon 12% Elastane 275g Black S-3XL



| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |  |
|----------------------------------------|----------|---------|---------|--|--|
| INCH                                   | СМ       | EU      | FR      |  |  |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |  |



## STRETCH HOLSTER TROUSER





PW305

FREE KNEE PADS WITH THIS STYLE

#### PW3 STRETCH HOLSTER WORK TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- · 2-way twill stretch fabric for ease of movement and added comfort
- · Concealed drop down ID holder on holster pocket
- $\cdot$  12 Pockets for ample storage

Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 245g

100% Polyester Oxford 600D 210g

Black

| K        | X  | 3  |     |
|----------|----|----|-----|
| <u>.</u> | UK | КХ | 342 |



V. NEW

**420**a

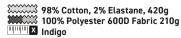
SLIM FIT

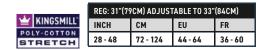
#### KX3 HOLSTER DENIM TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156) LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

· 2-way twill stretch fabric for ease of movement and added comfort

NEW

- · Durable 600D polyester fabric construction
- · 11 pockets for ample storage





| INCH    | СМ       | EU      | FR      |
|---------|----------|---------|---------|
| 28 - 48 | 72 - 124 | 44 - 64 | 36 - 60 |



## STRETCH 3/4 HOLSTER SHORTS







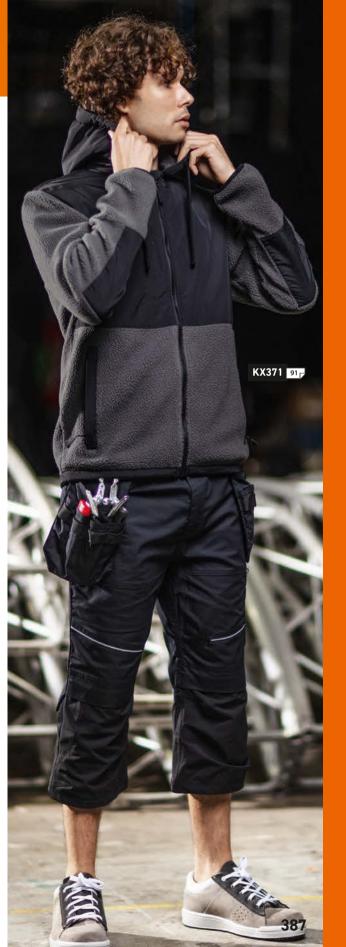
## KX3 3/4 HOLSTER SHORTS EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN **COMBINATION WITH S156)**

- · Stretch ripstop provides superior comfort and increased freedom of movement
- · Zip off holster pockets for added versatility
- · 15 pockets for ample storage

Kingsmill Poly-cotton Stretch: 65% Polyester, 35% Cotton Ripstop Weft Stretch, 230g CorePro: 88% Nylon 12% Elastane 275g



| FOREPRO        | INCH    | СМ       | EU      | FR      |
|----------------|---------|----------|---------|---------|
| INDESTRUCTIBLE | 30 - 42 | 76 - 108 | 46 - 58 | 38 - 54 |



## **STRETCH WORK TROUSER**









PERSIAN BLUE







📥 KINO

COR

CAN

#### WX3 WORK TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN **COMBINATION WITH S156)**

- Durable soft polycotton canvas for high performance and maximum wearer comfort
- Innovative stretch panelling in key movement areas provides excellent comfort and flexibility
- 8 pockets for ample storage

## Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish, 280g





| Short: Metal Grey Persian Blue |                                        |          |         |         |  |  |
|--------------------------------|----------------------------------------|----------|---------|---------|--|--|
|                                | REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |  |
| KINGSMILL                      | INCH                                   | СМ       | EU      | FR      |  |  |
| CANVAS                         | 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |  |
| OREPRO                         | SHORT: 29                              | "(74CM)  |         |         |  |  |
| INDESTRUCTIBLE                 | 28 - 42                                | 72 - 108 | 44 - 58 | 36 - 54 |  |  |

388

#### **DX4 WORK TROUSER** EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN **COMBINATION WITH S156)**

- · 4-way stretch fabric for ease of movement and added comfort Lightweight flexible HiVisTex Pro segmented reflective tape for
- increased visibility 11 pockets for ample storage
- Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g
- Black, Metro Blue, Metal Grey



INDESTRUCTI

|     | REG: 31" (7 | 9CM) ADJUS | TABLE TO 3 | 3" (84CM) |
|-----|-------------|------------|------------|-----------|
| RO  | INCH        | СМ         | EU         | FR        |
| BLE | 28 - 48     | 72 - 124   | 44 - 64    | 36 - 60   |



- Kingsmill Canvas: 65% Polyester, 35% Cotton Canvas Peach Finish, 280g CorePro: 88% Nylon 12% Elastane 275g
  - Black, Metal Grey, Persian Blue



|      | REG: 31"(79C | M) ADJUSTABLE | TO 33"(84CM) |         |     |
|------|--------------|---------------|--------------|---------|-----|
|      | INCH         | CM            | EU           | FR      |     |
| IBLE | 28 - 48      | 72 - 124      | 44 - 64      | 36 - 60 | 389 |

· Adjustable hem to accommodate all leg lengths

REG: 31"(79CM) ADJUSTABLE TO 33"(84CM)

СМ

72 - 124

Black

INCH

28 - 48

KINGSMILL

POLYESTER

STRETCH

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane,

270g XIII 65% Polyester, 35% Cotton Ripstop Weft Stretch 235g

EU

44 - 64

FR

36 - 60

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## **STRETCH WORK** TROUSER





## **KX3 CARGO TROUSER**

- Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement
- · Contemporary design with an ergonomic cut
- 8 pockets for ample storage

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Black, Metal Grey, Navy



UPF

| REG: 31" (79CM) ADJUSTABLE TO 33" (84CM) |          |         |         |  |  |
|------------------------------------------|----------|---------|---------|--|--|
| INCH                                     | СМ       | EU      | FR      |  |  |
| 28 - 48                                  | 72 - 124 | 44 - 64 | 36 - 60 |  |  |



| REG: 31" (79CM | 1) ADJUSTABLE | TO 33" (84CM) |         |   |
|----------------|---------------|---------------|---------|---|
| INCH           | СМ            | EU            | FR      |   |
| 28 - 48        | 72 - 124      | 44 - 64       | 36 - 60 | 5 |





|                          | REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |
|--------------------------|----------------------------------------|----------|---------|---------|
| KINGSMILL<br>POLY-COTTON | INCH                                   | СМ       | EU      | FR      |
| STRETCH                  | 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |

|         | REG: 29"(74CM) ADJUSTABLE TO 31"(79CM) |         |         |         |         |
|---------|----------------------------------------|---------|---------|---------|---------|
|         | UK                                     | INCH    | CM      | EU      | FR      |
| STRETCH | 8 - 20                                 | 26 - 38 | 68 - 96 | 38 - 50 | 40 - 52 |

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## **STRETCH COTTON TROUSER**









## STRETCH SLIM COMBAT TROUSER

· Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement Reflective trim on inner hem for increased visibility

· 6 pockets for ample storage

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Short: Black, Dark Navy 28-42



## STRETCH SLIM CHINO TROUSER

3

vi S

Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement

Reflective trim on inner hem for increased visibility

3 pockets for ample storage

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Short: Black, Dark Navy 28-42

|                  | REG: 31"(79CM) |           |         |         |
|------------------|----------------|-----------|---------|---------|
|                  | INCH           | СМ        | EU      | FR      |
|                  | 28 - 48        | 72 - 124  | 44 - 64 | 36 - 60 |
|                  | SHORT: 2       | 9" (74CM) |         |         |
| COTTON<br>Tretch | 28 - 42        | 72 - 108  | 44 - 58 | 36 - 54 |

|                  | REG: 31"(79CM) |           |         |         |
|------------------|----------------|-----------|---------|---------|
|                  | INCH           | СМ        | EU      | FR      |
|                  | 28 - 52        | 72 - 132  | 44 -70  | 36 - 66 |
| KINGSMILL        | SHORT: 2       | 9" (74CM) |         |         |
| COTTON<br>Tretch | 28 - 42        | 72 - 108  | 44 - 58 | 36 - 54 |

392

s

# **STRETCH WOMEN'S COTTON TROUSER**





COTTON

STRETCH

#### S233 WOMEN'S STRETCH CARGO TROUSER

Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement

· Slim fit design for exceptional comfort · 3 pockets for ample storage

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Black, Dark Navy, White

| UK     | INCH    | СМ       | EU      | FR      |  |
|--------|---------|----------|---------|---------|--|
| 8 - 22 | 26 - 40 | 68 - 100 | 38 - 52 | 40 - 54 |  |
|        |         |          |         |         |  |

WOMEN

#### S234 STRETCH MATERNITY TROUSER

36

UP

2

Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement

High cotton content for superior comfort 2 pockets for secure storage

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Black S-3XL, Dark Navy S-3XL



KINGSMILL

COTTON

STRETCH

#### S235 WOMEN'S SLIM CHINO TROUSER

Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement

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Slim fit design for exceptional comfort 3 pockets for ample storage

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Black, Dark Navy, White

MADE FOR

393

WOMEN

| UK     | INCH    | СМ       | EU      | FR      |
|--------|---------|----------|---------|---------|
| 8 - 22 | 26 - 40 | 68 - 100 | 38 - 52 | 40 - 54 |



# **STRETCH BIB AND BRACE**







WHITE

BLACK



METAL GREY



#### **DX4 WORK BIB AND BRACE** EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN **COMBINATION WITH S156)**

4-way stretch fabric for ease of movement and added comfort · Lightweight flexible HiVisTex Pro segmented reflective tape for

FREE KNEE PADS WITH THIS STYLE

- increased visibility
- · 14 pockets for ample storage

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g

CorePro: 88% Nylon 12% Elastane 275g Grey S-3XL





COREPRO KINGSMILL INDESTRUCTIBLE CANVAS

# STRETCH SHORTS



INCH

30 - 42

CM EU 76 - 108 46 - 58

FR

38 - 54



# HOLSTER TROUSER









### **SLATE HOLSTER TROUSER**

Hard wearing durable twill fabric with excellent dye retention
 Anti-shock fabric for extra mobile phone protection
 13 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 300g Black S-3XL, Navy S-3XL, Black Tall M-XXL, Navy Tall M-XXL



# HOLSTER TROUSER



|       | REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |  |
|-------|----------------------------------------|----------|---------|---------|--|--|
| SMILL | INCH                                   | СМ       | EU      | FR      |  |  |
| ON    | 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |  |

KING

|             | INCH     | СМ        | EU      | FR      |
|-------------|----------|-----------|---------|---------|
|             | 28 - 48  | 72 - 124  | 44 - 64 | 36 - 60 |
|             | SHORT: 2 | 9" (74CM) |         |         |
| POLY-COTTON | 28 - 42  | 72 - 108  | 44 - 58 | 36 - 54 |

# **HOLSTER TROUSER AND SHORTS**







300g



#### **TRADESMAN HOLSTER** TROUSER

| 9<br>9             | <ul> <li>Durable polycotton fabric for high<br/>performance and maximum wearer<br/>comfort</li> <li>Reflective piping for increased visibility</li> <li>9 pockets for ample storage</li> </ul> |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | Kingsmill: 65% Polyester, 35%<br>Cotton, 245g<br>IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII                                                                                                          |
| Contraction of the |                                                                                                                                                                                                |

#### KINGSMILL POLY-COTTON

| REG: 31"(79CM)  |          |         |         |  |
|-----------------|----------|---------|---------|--|
| INCH            | СМ       | EU      | FR      |  |
| 28 - 46         | 72 - 116 | 44 - 62 | 36 - 58 |  |
| TALL: 33"(84CM) |          |         |         |  |
| 32-40           | 80-100   | 48-56   | 40-50   |  |





#### PW345 24

9

91

#### **PW3 HOLSTER WORK SHORTS**

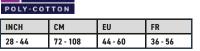
- · Durable polycotton fabric for high performance and maximum wearer comfort
- Zip off holster pockets for added versatility
- 9 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 300g



Zoom Grey/Black: 30-42

# KINGSMILL







91

 $\Box$ 

245g

## **GRANITE HOLSTER SHORTS**

· Hard wearing durable twill fabric with

- excellent dye retention
- · Abrasion resistant oxford polyester

· 10 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g

100% Polyester Oxford 300D 190g Black/Zoom Grey S-XXL



398

# VERSATILE ZIP OFF HOLSTER POCKETS

PW345

V.,







300g

ZOOM GREY/ BLACK

BLACK



# T601

#### **PW3 WORK TROUSER** EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN **COMBINATION WITH S156)**

- Durable polycotton fabric for high performance and maximum wearer comfort
- Reflective piping for increased visibility

FREE KNEE PADS WITH THIS STYLE

· 10 pockets for ample storage

### Kingsmill: 65% Polyester, 35% Cotton, 300g 100% Polyester 600D Fabric 210g Reg: Black, Navy/Black, Zoom Grey/Black Tall: Black

#### KINGSMILL POLY-COTTON

| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |  |
|----------------------------------------|----------|---------|---------|--|--|
| INCH                                   | СМ       | EU      | FR      |  |  |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |  |
| SHORT: 29"(74CM)                       |          |         |         |  |  |
| 28 - 42                                | 72 - 108 | 44 - 58 | 36 - 54 |  |  |

| N. N. |
|-------|
|       |
| PW>   |
| 24 PW |

245g

### S 240

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JPF

6

#### **PW2 SERVICE TROUSER**

- Durable polycotton fabric for high performance and maximum wearer comfort
- · Anti-scratch design with no exposed metal parts · 6 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g

#### KINGSMILL POLY-COTTON

| REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |
|----------------------------------------|----------|---------|---------|--|
| INCH                                   | CM       | EU      | FR      |  |
| 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |



UP

# WORK TROUSER

245g





#### TX61 **DANUBE TROUSER**

Hard wearing durable twill fabric with excellent dye retention

- · Reflective piping for increased visibility
- 9 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g Black S-3XL

SUPER WORK TROUSER Hard wearing durable twill fabric with UPF excellent dye retention 6

24

CD884

245g

- Adjustable hem to accommodate all leg lengths
- 6 pockets for ample storage
- Kingsmill: 65% Polyester, 35% Cotton, 245g

#### POLY-COTTON

# REG: 31"(79CM) ADJUSTABLE TO 33"(84CM)

| INCH             | СМ       | EU      | FR      |  |
|------------------|----------|---------|---------|--|
| 28 - 48          | 72 - 124 | 44 - 64 | 36 - 60 |  |
| SHORT: 29"(74CM) |          |         |         |  |
| 28 - 46          | 72 - 116 | 44 - 62 | 36 - 58 |  |





#### **TX36 MUNICH HEAVY WEIGHT** TROUSER

Hard wearing durable twill fabric with excellent dye retention

- · Reflective piping for increased visibility
- · 11 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 300g Black XS-3XL, Graphite Grey XS-4XL,







NEW





Action styles offer superior comfort and functionality. Made from durable Kingsmill polycotton fabric for high performance and maximum wearer comfort. They feature multiple zip pockets for security and convenience.



| 1             | S905                                                                                                                                                                                                                                                                                                                             |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | STRETCH ACTION TROUSER                                                                                                                                                                                                                                                                                                           |
| <b>F</b><br>T | <ul> <li>2-way twill stretch fabric for ease of<br/>movement and added comfort</li> <li>Side elastic waist for ultimate wearer<br/>comfort</li> <li>11 pockets for ample storage</li> <li>Zipped pockets</li> <li>Knee pad pockets to facilitate knee pads</li> <li>Adjustable hem to accommodate all leg<br/>lengths</li> </ul> |
|               | Kingsmill Polycotton Elastane<br>Stretch: 65% Polyester, 33% Cotton,<br>2% Elastane. 2650                                                                                                                                                                                                                                        |

2% Elastane, 245g

| INCH    | CM       | EU      | FR      |
|---------|----------|---------|---------|
| 28 - 48 | 72 - 124 | 44 - 64 | 36 - 60 |

## STRETCH FABRIC FOR ACTIVE USE



KINGSMILL Poly-cotton STRETCH







#### S887 **ACTION TROUSER**

24

- · Durable polycotton fabric for high performance and maximum wearer comfort
- Double-layer reinforced knee protection for extra strength and durability
- 11 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g

|             |                  | NAVY  | BLACK | GREY  |
|-------------|------------------|-------|-------|-------|
|             | SHORT: 29"(74CM) | 28-48 | 30-44 |       |
|             | REG: 31"(79CM)   | 26-56 | 26-56 | 28-46 |
| KINGSMILL   | TALL: 33"(84CM)  | 28-52 | 28-48 | 30-42 |
| POLY-COTTON | XTALL: 36"(92CM) | 30-44 | 30-44 |       |



24

JPF

# WOMEN'S ACTION TROUSER

- · Durable polycotton fabric for high performance and maximum wearer comfort
- · Multiple utility pockets providing ample storage
- · 11 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 210g S-XXL





LINED





### ACTION TROUSER WITH BACK ELASTICATION

- Durable polycotton fabric for high performance and maximum wearer comfort
- Half elasticated waist for a secure and comfortable fit
   11 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g





### LINED ACTION TROUSER

- Durable polycotton fabric for high performance and maximum wearer comfort
- Washable nylon inner lining
- 11 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 190g 100% Nylon, Knitted Brushed Thermal Lining, 100g Navy XS-3XL, Navy Tall S-XXL



W







This range offers a choice of styles for multi end uses. Each distinguished garment incorporates several handy pockets, providing security and convenience. The Kingsmill fabric is durable, yet cool and comfortable.





- · Durable polycotton fabric for high performance and maximum wearer comfort
- · Two back patch pockets · 6 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g

|             |                  | NAVY  | BLACK | GREY  |
|-------------|------------------|-------|-------|-------|
|             | SHORT: 29"(74CM) | 30-42 |       |       |
|             | REG: 31"(79CM)   | 26-52 | 26-50 | 28-48 |
|             | TALL: 33"(84CM)  | 28-48 | 28-48 | 28-48 |
| POLY-COTTON | XTALL: 36"(92CM) | 32-42 |       |       |

### C099

#### WOMEN'S COMBAT TROUSER

- Durable polycotton fabric for high performance and maximum wearer comfort
- Non shrinking to ensure that this style maintains its shape wash after wash
- 5 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 210g Navy Tall S-XL



UPĔ

6



245g SLIM FIT 245g



#### C711 SLIM FIT COMBAT TROUSER

· Hard wearing durable twill fabric with excellent dye retention

- Reflective trim for increased visibility and safety
- 6 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g



8

#### C703 COMBAT PLUS TROUSER

- Durable polycotton fabric for high performance and maximum wearer comfort
- Side access pockets
  - 8 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g



| - | INCH    | СМ       | EU      | FR      |
|---|---------|----------|---------|---------|
|   | 28 - 46 | 72 - 116 | 44 - 62 | 36 - 58 |



# BIB AND BRACE

# 300g

# **PW346**

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6

#### PW3 WORK BIB & BRACE EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- Durable polycotton fabric for high performance and maximum wearer comfort
   Elasticated back panel
- UPF · 10 pockets for ample storage
  - ID card holder for ID card display
  - Hammer loop for secure storage of work tools
  - Reinforced panels in high wear areas for maximum durability

Kingsmill: 65% Polyester, 35% Cotton, 300g

100% Polyester Oxford 600D 210g Black S-3XL, Zoom Grey/Black S-3XL



ZOOM GREY/BLACK

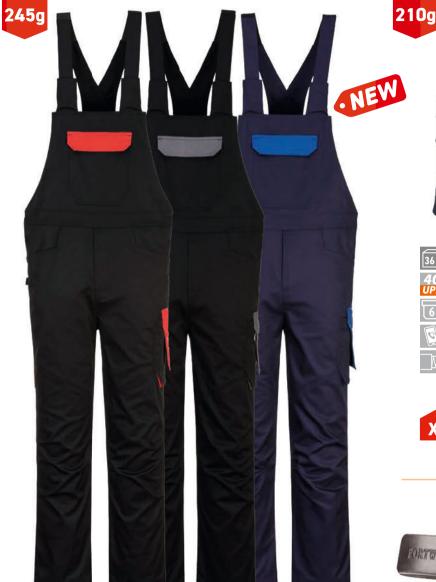


FREE KNEE PADS WITH THIS STYLE

BLACK



# **BIB AND BRACE AND SHORTS**





### **COMBAT SHORTS**

- Durable polycotton fabric for high performance and maximum wearer comfort Rule pocket
- · 6 pockets for ample storage
- · Two back patch pockets
- · D-ring for keys or ID cards
- · Twin-stitched seams for extra durability

Kingsmill: 65% Polyester, 35% Cotton, 210g Navy XS-3XL, Black S-XXL







### **ELASTICATED WORK BELT** · Constructed using high grade elasticated

- Adjustable size for a perfect fit · Fits all Portwest trousers
- · One size fits all



18

### **PW2 BIB AND BRACE**

- · Durable polycotton fabric for high performance and maximum wearer comfort
- · Anti-scratch design with no exposed metal parts
- · 7 pockets for ample storage
- · 100% metal free
- · Hammer loop for secure storage of work tools · ID pocket can be visible or concealed

Kingsmill: 65% Polyester, 35% Cotton, 245g

Black/Red S-3XL, Black/Zoom Grey S-3XL, Navy/Royal S-3XL



# PORTWEST TEXO<sup>™</sup>

Portwest Texo workwear, is designed to give the ultimate in comfort and practicality. The soft handle cotton rich fabric is built to last, it washes well at 60°C whilst the polyester gives a ruggedness essential for daily use.

TX10

The Portwest Texo fabric provides a UPF rating of 40+ so will block 98% of the UV rays which fall on the garment. The colours offered are perfect for corporate branding.

TX11

## ULTIMATE WORKWEAR SOLUTION

## PORTWEST **TEXO**<sup>™</sup>

# 245g

245g

#### **TX10 PORTWEST TEXO CONTRAST** JACKET

- · High cotton content for superior comfort • Non shrinking to ensure that this style
- maintains its shape wash after wash · 12 Pockets for ample storage
- · Hook and loop cuffs for a secure fit
- Storm flap front to protect against the elements
  - · Detachable ID pocket

12

Portwest Texo Cotton Rich: 60% Cotton, 40% Polyester, 245g XS-4XL

#### HARDWEARING AND BUILT TO LAST

# XS 4XL

#### **TX11 PORTWEST TEXO CONTRAST** TROUSER · High cotton content for superior comfort $\cdot$ Hook and loop hems for a secure fit · 9 pockets for ample storage

- · Two back patch pockets
- · Bartacked at all stress points
- · Twin-stitched seams for extra durability

#### Portwest Texo Cotton Rich: 60% Cotton, 40% Polyester, 245g Black XS-3XL, Grey XS-4XL, Navy XS-3XL, Black Tall M-XXL, Grey Tall M-XXL, Navy Tall M-XXL







245g



#### TX15 PORTWEST TEXO CONTRAST COVERALL

- · High cotton content for superior comfort
- Concealed zip opening for added security
- 14 pockets for ample storage
- $\cdot\,$  Knee pad pockets to facilitate knee pads

Portwest Texo Cotton Rich: 60% Cotton, 40% Polyester, 245g Black S-3XL, Grey S-3XL, Navy S-3XL

### 24 TX12

#### **PORTWEST TEXO CONTRAST BIB & BRACE**

- High cotton content for superior comfort
   Non shrinking to ensure that this style maintains its shape wash
- 40. · High cottor · Non shrink after wash
  - 10 pockets for ample storage
  - To pockets for ample storage

Portwest Texo Cotton Rich: 60% Cotton, 40% Polyester,

 243g

 Immini X
 Black XS-4XL, Grey XS-4XL, Navy XS-4XL, Black Tall

 M-XXL, Grey Tall M-XXL, Navy Tall M-XXL



### **WINTER GARMENTS**

### PORTWEST *texo*™



#### TX18 PORTWEST TEXO CONTRAST JACKET - LINED

- · High cotton content for superior comfort
- Non shrinking to ensure that this style maintains its shape wash after wash
- 12 Pockets for ample storage
- Sleeve pocket
- Fully lined and padded to trap the heat and increase warmth
- · ID card holder for ID card display



## PADDED

365g





# TX16

#### PORTWEST TEXO CONTRAST TROUSER - LINED

- Hard wearing durable twill fabric with excellent dye retention
- · Quilt lined for thermal insulation
- · 9 pockets for ample storage
- · Hook and loop hems for a secure fit
- · Two back patch pockets
- · Phone pocket

Portwest Texo Cotton Rich: 60% Cotton, 40% Polyester, 245g 100% Polyester, 60g 100% Polyester Wadding, 120g Black S-XXL, Grey S-XXL, Navy S-XXL

# WARM LINING IDEAL FOR WINTER WEATHER



## PORTWEST *TEXO*™



- Heavy weight polar fleece with anti-pill finish for added warmth and comfort
- $\cdot \;$  Generous fit for wearer comfort
- Front zip opening for easy access
- · Zipped pockets
- · Phone pocket
- · Drawcord adjustable hem
- 100% Polyester, Anti-Pill finish Fleece, 400g Black XS-4XL, Grey XS-4XL, Navy
- Black XS-4XL, Grey XS-4XL, Navy XS-4XL





245g



#### PORTWEST TEXO CONTRAST SHORTS

- High cotton content for superior comfort
   Non shrinking to ensure that this style maintains its shape wash after wash
- Two back patch pockets
- 7 pockets for ample storage
- Phone pocket
- · Handy thigh pocket

Portwest Texo Cotton Rich: 60% Cotton, 40% Polyester, 245g Black XS-XXL, Grey XS-XXL, Navy XS-XXL







# PORTWEST *TEXO*™



comfort and breathability Concealed zip opening for added security 260g

100%

COTTON

- 7 pockets for ample storage
- · Hook and loop cuffs for a secure fit
- Sleeve pocket
   Phone pocket

24

W

Kingsmill Cotton: 100% Cotton, 260g



NAVY



**GRAPHITE GREY** 



416







KINGSMILL<sup>®</sup> COTTON

#### POZNAN COTTON TROUSER

Made from 100% cotton fabric for added comfort and breathability
 Hook and loop hems for a secure fit

9 pockets for ample storage

Kingsmill Cotton: 100% Cotton, 260g



UP

#### WARSAW BIB AND BRACE

- $\,\cdot\,\,$  Made from 100% cotton fabric for added comfort and breathability
- Hook and loop hems for a secure fit
- 11 pockets for ample storage

Kingsmill Cotton: 100% Cotton, 260g





245g



#### ENHANCED VISIBILITY COMPLYING WITH EN 17353



418

#### F813 IONA COVERALL EN 17353 TYPE B2

- $\cdot \,$  Durable polycotton fabric for high performance and maximum wearer comfort
- $\cdot$   $\,$  Concealed zip opening for added security
- · 10 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g



6

#### S916 IONA BIB AND BRACE EN 17353 TYPE B2

 $\cdot\,$  Durable polycotton fabric for high performance and maximum

wearer comfort

- · Elastic back to keep hair secure
- · 6 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g









245a

# [48] F477 IONA POLOSHIRT

#### EN 17353 TYPE B3

- · Quality wicking fabric finish enhances drying and aids stain removal
- · Moisture wicking fabric helping to keep the body cool and dry
- · Reflective tape for increased visibility

100% Polyester, Bird Eye Knit, 155g







#### **S917** IONA SAFETY COMBAT TROUSER EN 17353 TYPE B2

Non shrinking to ensure that this style maintains its shape wash after wash

- Reflective tape for increased visibility
- 8 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g





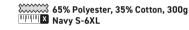


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#### **B307** IONA SWEATER EN 17353 TYPE B3

· Designed with a comfort fit · Reflective tape for increased visibility

· Ribbed cuffs for added comfort



6XL

245a





KINGSMILL

POLY-COTTON

### **S918 BALLISTIC TROUSER**

EN 17353 TYPE B2 · Durable polycotton fabric for high performance and 4 maximum wearer comfort

- · Incredibly durable and hardwearing
- · 4 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g

# ESSENTIAL JACKET



# 2860

24

6

W

- CLASSIC WORK JACKET
- Durable polycotton fabric for high performance and maximum wearer comfort
- Concealed stud front for easy access
- 6 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g

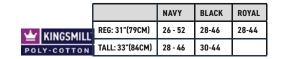


245g

#### 2885 PRESTON TROUSER

Incredibly durable and hardwearing
Sewn in front centre seam for a tailored look
3 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g Black, Navy, Royal Blue



| n | POLY-COTTON |
|---|-------------|

245g

420

# ESSENTIAL BIB AND BRACE



2**4**5g



#### **COTTON BIB AND BRACE**

· Made from 100% cotton fabric for added comfort and breathability · Adjustable straps for a secure fit

- · 4 pockets for ample storage
- · Back patch pocket
- · Rule pocket
- · Spacious pockets

100% Cotton, 3111, Pre-Shrunk, 305g





# **BURNLEY BIB AND BRACE**

Durable polycotton fabric for high performance and maximum wearer comfort Elasticated back waist for a secure fit

Kingsmill: 65% Polyester, 35% Cotton, 245g











- Durable polycotton fabric for high performance and maximum wearer comfort
- Non shrinking to ensure that this style
- maintains its shape wash after wash
- · 2 pockets for secure storage

Kingsmill: 65% Polyester, 35% Cotton, 210g Black XS-4XL, Navy XS-4XL, Black Tall S-XL, Navy Tall S-XL





24

UPI

9

2

COVERALL

DURABLE AND HARDWEARING COMFORT, WITH SUPERIOR COLOUR FASTNESS



- 8 pockets for ample storage
- Rule pocket
- Action back for extra freedom of movement
- · Back patch pocket

Kingsmill: 65% Polyester, 35% Cotton, 245g Black, Black Tall, Graphite Grey, Navy, Navy Tall, Orange, Red









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#### IONA COTTON COVERALL EN 17353 TYPE B2

- · Made from 100% cotton fabric for added comfort and breathability
- $\cdot \,$  Two-way zip for quick and easy access
- 8 pockets for ample storage

Kingsmill Cotton: 100% Cotton, 190g



### DUBAI COTTON COVERALL

- Made from 100% cotton fabric for added comfort and breathability
- $\cdot~$  Two-way zip for quick and easy access
- · 8 pockets for ample storage

Kingsmill Cotton: 100% Cotton, 190g



| REG   | REG   |
|-------|-------|
| S-6XL | S-3XL |
| S-3XL | S-3XL |
| S-3XL | S-6XL |



### 100% COTTON FOR COMFORT AND BREATHABILITY









#### 24 CR 40 CLASS · Durable

5

#### CLASSIC COVERALL

Durable polycotton fabric for high performance and maximum wearer comfort

Concealed stud front for easy access
5 pockets for ample storage

Kingsmill: 65% Polyester, 35% Cotton, 245g





UP

4

#### 2802 STANDARD COVERALL

 Non shrinking to ensure that this style maintains its shape wash after wash

- $\cdot$  Concealed stud front for easy access
- $\cdot \,$  Quick and easy side access

Kingsmill: 65% Polyester, 35% Cotton, 245g



# TOP SELLING COVERALL



LANSA.





W

#### S998 EURO WORK COTTON COVERALL

- $\cdot~$  Made from 100% cotton fabric for added comfort and breathability
- · Concealed stud front for easy access
- 5 pockets for ample storage
- · Rule pocket
- $\cdot~$  Side elastic waist for ultimate wearer comfort
- $\cdot \,$  Back patch pocket

Kingsmill Cotton: 100% Cotton, 260g



#### C803 NYLON ZIP COVERALL

- $\cdot\;$  Low linting construction for minimal contamination
- Front zip opening for easy access
- 4 pockets for ample storage
- Chest pockets with stud closure
   Rule pocket
- · Elasticated back waist for a secure fit

100% Nylon, 130g



### WINTER LINED

**44**5g



LINED







### C890 YOUTH'S COVERALL

- Durable polycotton fabric for high performance and maximum wearer . comfort
- · Two-way zip for quick and easy access 8 pockets for ample storage

Kings 🗱 Kingsmill: 65% Polyester, 35% Cotton, 245g Age 4/5, 6/7, 8/9, 10/11, 12/13, 14/15





Kingsmill: 65% Polyester, 35% Cotton, 245g 100% Polyester Wadding, 200g Navy S-3XL

| $\mathbf{\underline{v}}$ | KINGSMILL |
|--------------------------|-----------|
| POL                      | Y-COTTON  |

## PAINTERS BIB AND BRACE

The DX4 collection offers a contemporary option for the modern Craftsman. Expertly designed to include features specifically tailored for craftsman including 4 way stretch fabric for ease of movement, multi-purpose pockets for secure storage, pre bent top loading adjustable knee pad pockets and a high rise back waistband with side elastication ensuring protection in all working positions.





## DYNAMIC 4-WAY STRETCH WITH MULTI PURPOSE POCKETS



# PAINTERS TROUSER AND HOODIE



270a

SLIM FIT





 $\square$ 

W

#### DX4 DETACHABLE HOLSTER POCKET TROUSER EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN

## COMBINATION WITH S156) 4-way stretch fabric for ease of movement and added comfort

- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- 16 pockets for ample storage
- · Multiple side zip compartments for secure storage
- · Crotch gusset to reduce stress and prevent seam failure
  - Pre-bent knees allow for increased freedom of movement

Kingsmill Polyester Stretch: 93% Polyester, 7% Elastane, 270g 45% Polyester, 35% Cotton Ripstop Weft Stretch 235g

|                 | 65% Polyester, 35% Cotton Ripstop Weft Stretch |
|-----------------|------------------------------------------------|
|                 | CorePro: 88% Nylon 12% Elastane 275g           |
| ulmini <b>x</b> | White/Grey                                     |



INDESTRU

| 1    | REG: 31"(79CM) ADJUSTABLE TO 33"(84CM) |          |         |         |  |  |
|------|----------------------------------------|----------|---------|---------|--|--|
| سم   | INCH                                   | СМ       | EU      | FR      |  |  |
| IBLE | 28 - 48                                | 72 - 124 | 44 - 64 | 36 - 60 |  |  |



24

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### DX472 DX4 ZIPPED HOODIE

- Moisture wicking fabric helping to keep the body cool and dry
- Dynamic inner contrasting fabric
- Engineered with an active fit
  Internal pockets for safe storage
- Zipped chest pocket
- · Grown on hood is stylish and practical

75% Polyester, 20% Rayon, 5% Elastane, 330g

## LIGHTWEIGHT WARMTH AND UNRESTRICTED MOVEMENT

## PAINTERS SHORTS AND BIB AND BRACE

Quality fabrics are used in this range so the garments will keep their fresh look wash after wash. Featuring multi storage pockets to accommodate tools and brushes while back elastication allows for greater freedom of movement and a more comfortable fit. Used as separates or worn together, these styles are the ideal workwear solution for painting, plastering and a range of other professionals.







### PAINTERS



### PAINTERS SHORTS

High cotton content for superior comfort

 $\cdot\,$  Non shrinking to ensure that this style maintains its shape wash after wash

· 8 pockets for ample storage

100% Cotton, 3111, Pre-Shrunk, 305g







### **BOLTON PAINTERS BIB & BRACE**

- · Premium non shrinking cotton workwear fabric
- · Knee pad pockets to facilitate knee pads
- 8 pockets for ample storage









100% Cotton, 3111, Pre-Shrunk, 305g



2

Kingsmill: 65% Polyester, 35% Cotton, 245g



## **OAK CHAINSAW** RANGE

The Oak Chainsaw Range is designed for maximum comfort and safety. The range has been designed for extreme outdoor conditions and incorporates stretch fabrics in key areas for greater ease of movement. With water repellent material and practical pockets, this range will keep you looking good and fully protected at the same time.



#### EN11393

The protective products have been tested in accordance with EN 381-5:1995 for Class EN 11393 1 performance. EN381-5:1995 certified garments are designed to provide protection to the legs against accidental contact with a hand-held chainsaw machine (protection at linear chainsaw speeds up to 20 m/s).





# CHAINSAW JACKET AND TROUSER







4

#### CH15 OAK PROFESSIONAL CHAINSAW JACKET EN 11393 CLASS 1 TYPE B 20M/S KWF

Stretch ripstop provides superior comfort and increased freedom of movement

- · Reflective panelling to aid visibility in poorly lit conditions
- · 4 pockets for ample storage

Zipped chest pockets

Back vents on upper and lower back for maximum breathability
 Front zip opening for easy access

92% Nylon, 8% Elastane, 230g 100% Nylon 420g Black/Orange S-XXL

## FULL BODY PROTECTION TO EN11393 STANDARD



| 1  | CH1    |
|----|--------|
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### CH14





92% Nylon, 8% Elastane, 230g 100% Nylon 420g Black S-XXL







### EN 381-5:1995

The protective products have been tested in accordance with EN 381-5:1995 for Class 1 performance. EN381-5:1995 certified garments are designed to provide protection to the legs against accidental contact with a hand-held chainsaw machine (protection at linear chainsaw speeds up to 20 m/s).





- Front zip opening for easy access
   Storm flap front to protect against the elements
- · 6 pockets for ample storage



65% Polyester, 35% Cotton, 245g

## **CHAINSAW TROUSER AND BIB AND BRACE**







## **CH11**

**OAK TROUSERS** EN 381-5 CLASS 1, TYPE A 20 M/S KWF

- Durable polyester/cotton fabric with Texpel stain resistant finish
- · Fully elasticated waistband for ultimate wearer comfort
- 5 pockets for ample storage

65% Polyester, 35% Cotton, 245g 43% Polyester, 57% Polypropylene 120g



www.kwf-online.org

## **CH12**

### **OAK BIB AND BRACE** EN 381-5 CLASS 1, TYPE A 20 M/S KWF

- · Durable polyester/cotton fabric with Texpel stain resistant finish
- · Concealed zip opening for added security
- · 5 pockets for ample storage

65% Polyester, 35% Cotton, 245g 43% Polyester, 57% Polypropylene 120g ■■■■ Black S-3XL



www.kwf-online.org

# CUT RESISTANT APRON AND SHIRT

**CR01** 36

### CUT RESISTANT BIB APRON FABRIC CONFORMS TO EN 388 - 1.5.4.2.D

· Designed to be worn in a tough work environment

- $\cdot\,$  Adjustable straps for a secure fit
- · Ergonomic quick release buckle
- · Level D cut resistance

42.5% HPPE, 21.3% Glass, 21.3% PET, 14.9% Nylon, 330g 100% Nylon, 220g Grey One Size

## SECURE PERFECT FIT

### CR15 POLO S

#### POLO SHIRT WITH CUT RESISTANT SLEEVES FABRIC CONFORMS TO EN 388 - 3.2.4.4.D

 Moisture wicking fabric helping to keep the body cool and dry

- · High cotton content for superior comfort
- · Level D cut resistance
- Thumb hole for secure fit
- Side vents for added comfort
- Designed with a comfort fit

55% Cotton, 45% Polyester, 175g 40% HPPE, 20% Glass, 40% Polyester, 380g Black S-3XL

## BREATHABLE COMFORT AND EASE OF MOVEMENT

LINED

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NEW

CUT RESISTANT WORKWEAR FEATURING LEVEL D CUT PROTECTION AGAINST HIGH CUT RISKS

Cut resistant hand protection





CT67 694

CT69 692







CT65 695







NB





#### COMBAT TROUSER WITH CUT RESISTANT FRONT FABRIC CONFORMS TO EN 388 - 1.5.4.2.D

- Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement
- · Level D cut resistance
- $\cdot~$  Slim fit design for exceptional comfort
- · Easy access cargo pockets
- Hook and bar closure
- · Twin-stitched seams for extra durability

98% Cotton, 2% Elastane 255g 42.5% HPPE, 21.3% Glass, 21.3% PET, 14.9% Nylon, 330g

# CORPORATE CASUALS PERFECT FOR OVERBRANDING

Embroidery and screen printing can be applied to any workwear product to make your product stand out from the crowd. All Portwest garments are designed to be compatible with corporate over branding.

Portwest's personalisation service can add your brand to our designs, low MOQ's and competitive lead times apply.

# OVER 100 YEARS' EXPERIENCE IN EVERY STITCH

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# **CORPORATE CASUALS**

### **POLO SHIRTS**







F477













**SWEATSHIRTS** 

T820







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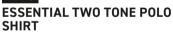




# **POLO SHIRT**







- Made using Pique knit polycotton fabric which is soft to touch and comfortable to wear
- · Contrast colour stitching for added style · Ideal for corporate wear and custom
- finishes · Slim fit design for exceptional comfort
- · Rib collar and cuffs
- · Button placket opening

65% Polyester, 35% Cotton, 210g

## **NEW AND IMPROVED FIT**



# **POLO SHIRT**

### 48 40, UPE

### **B210** NAPLES POLO SHIRT

 Made using Pique knit polycotton fabric which is soft to touch and comfortable to wear **NEW** COLOUR

- · Available in an excellent choice of corporate colours
- · Ideal for corporate wear and custom finishes
- · Button placket opening
- · Rib collar and cuffs
- $\cdot$   $\,$  Twin-stitched seams for extra durability

65% Polyester, 35% Cotton, 210g Aqua, Black, Bottle Green, Dark Navy, Heather Grey, Metal Grey, Navy, Red, Royal Blue, Sky Blue, White

## AVAILABLE IN 11 COLOURS



#### B212 GENOA 40. SHIRT

### GENOA LONG SLEEVED POLO SHIRT

- Made using Pique knit polycotton fabric which is soft to touch and comfortable to wear
- $\cdot \;$  Designed with a comfort fit
- · Ideal for corporate wear and custom finishes
- · Button placket opening
- · Twin-stitched seams for extra durability

65% Polyester, 35% Cotton, 210g





# WOMEN'S POLO SHIRT



NEW colour

### NAPLES WOMEN'S POLO SHIRT

- Made using Pique knit polycotton fabric which is soft to touch and comfortable to wear
- Available in an excellent choice of corporate colours
- · Ideal for corporate wear and custom finishes
- · Button placket opening
- Rib collar and cuffs
- Twin-stitched seams for extra durability

65% Polyester, 35% Cotton, 210g Aqua, Black, Bottle Green, Navy, Pink, Red, Royal Blue, Sky Blue, White



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DX4 T-SHIRT S/S Wicking, cooling and drying capabilities
 Contemporary design with clean cut lines
 Ideal for corporate wear and custom

finishes

- Contrast colouring for added style
  Slim fit design for exceptional comfort
  Ribbed collar

100% Polyester Pin Mesh, 150g

## **SLIM FITTING** CONTEMPORARY DESIGN

# **T-SHIRT**



UP

### PW211 PW2 T-SHIRT S/S

- Moisture wicking fabric helping to keep the body cool and dry
- High cotton content for superior comfort
- Ideal for corporate wear and custom finishes
- Contrast colouring for added style
- $\cdot~$  Slim fit design for exceptional comfort
- · Lightweight and comfortable

55% Cotton, 45% Polyester, 144g Black/Zoom Grey S-3XL, Navy/ Royal S-3XL

## MODERN AND VERSATILE





- Stylish unisex design for multi functional use
- Made from 100% cotton fabric for added comfort and breathability
- · Ideal for corporate wear and custom finishes
- Available in an excellent choice of corporate colours

100% Cotton, 195g Black, Heather Grey, Navy, Royal Blue, White





XS



# **SWEATSHIRT**





## 24 40

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#### B318 ESSENTIAL TWO TONE SWEATSHIRT

- Stylish unisex design for multi functional use
- Contrast colour stitching for added style
  Ideal for corporate wear and custom
- finishes
- Slim fit design for exceptional comfort
- Twin-stitched seams for extra durability
- · Crew neck

65% Polyester, 35% Cotton, 300g

## NEW AND IMPROVED FIT



# **SWEATSHIRT**



### B300 **ROMA SWEATSHIRT**

- · Stylish unisex design for multi functional use · Ideal for corporate wear and custom finishes
- · Twin-stitched seams for extra durability
- · Raglan sleeves for a comfort fit
- · Crew neck
- · Available in an excellent choice of corporate colours

65% Polyester, 35% Cotton, 300g











### B309 SORRENTO ZIP NECK SWEATSHIRT

- · Knitted fabric with brushed backing
- · 1/4 length centre front zip for added comfort and versatility
- · Ideal for corporate wear and custom finishes
- · Ribbed cuffs for added comfort

65% Polyester, 35% Cotton, 300g







- · Sleeve pocket
- · Chest pocket
- · Contrast panels for protection against dirt · Twin-stitched seams for extra durability

100% Acrylic, 7 Gauge, 580g 65% Polyester, 35% Cotton, 245g Black S-3XL, Navy S-3XL

# **OUTER LAYER**



### **DX4 ZIPPED HOODIE**

· Moisture wicking fabric helping to keep the body cool and dry

- · Dynamic inner contrasting fabric
- · Engineered with an active fit
- · Internal pockets for safe storage
- · Zipped chest pocket
- · Grown on hood is stylish and practical

#### 20% Rayon, 5% Elastane, 330g White S-3XL

## LIGHTWEIGHT WARMTH AND **UNRESTRICTED MOVEMENT**



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24

### T83<u>1</u> **KX3 TECHNICAL FLEECE**

- · Moisture wicking fabric helping to keep the body cool and dry
- · Dynamic inner contrasting fabric
- · Contemporary design with clean cut lines
- · Kangaroo pocket for ample storage
- Front zip opening for easy access
- · Interchangeable zip pullers in blue, red and lime green are supplied for easy integration of corporate colours

80% Polyester, 20% Rayon, 330g



# **OUTER LAYER**



### B302 **ROMA HOODY**

- · Kangaroo pocket for ample storage
- · Ribbed cuffs for added comfort · Ribbed hem for a comfortable fit
- $\cdot \,$  Hood for added protection against the elements · Knitted fabric with brushed backing
- · Generous fit for wearer comfort

65% Polyester, 35% Cotton, 300g







# ALL WEATHER PROTECTION TO SURPASS INDUSTRY EXPECTATIONS

4 \*

PW362 458

T620 140

T604 458

Portwest All Weather Protection is engineered with exceptional fabrics and designs, allowing an easy transition between work and leisure. Tested to withstand the rigours of everyday wear, each garment has been designed and manufactured using the best quality materials and high technology construction techniques to ensure total satisfaction with wear after wear.



Portwest DX4<sup>TM</sup> combines all the technical features required to guarantee extra protection against the elements. This collection combines high performance stretch fabrics with stunning design to create our most innovative range so far



Portwest KX3<sup>™</sup> is a superior line of trend-led apparel combining quality construction to the highest standards and technical expertise. Designed with a premium water resistant fabric finish to allow water to bead away from the fabric surface



Portwest WX3<sup>™</sup> technical stretch all weather protection balances comfort, versatility and aesthetics. Designed to the highest standards, WX3 styles offer superior dry working comfort



Portwest PW3<sup>™</sup> premium high performance rainwear is designed to deliver maximum performance and protection. Utilising premium fabrics, this range offers exceptional protection and comfort



PW2<sup>™</sup> is the latest evolution of workwear by Portwest. This versatile collection has been specifically designed to allow for overbranding and can be easily customised. Corporate logos can be applied to the large panels in key visibility areas enhancing brand identity.



Portwest PWR collection is constructed from Portwest Extreme, a premium high performance waterproof and breathable fabric. Using state-of-the-art technology, the base fabric has been engineered to provide a technical barrier against the elements.



The Sealtex<sup>™</sup> range of fabrics are constructed using high technology coated fabrics on a flexible highly tear resistant 100% polyester tricot knit. The welded seams used on all Sealtex garments ensure rain and wind are locked out and the durable, stretchy fabric can easily be wiped clean so Sealtex garments look good and last for longer.



The Iona™ Collection offers functionality, added visibility and waterproof protection. These garments are certified to the waterproof standard EN 343 (Class 3) and enhanced visibility protection standard EN 17353.



Ripstop is constructed using 100% polyester, PVC coated ripstop fabric. The polyester fabric combined with the Ripstop pattern provides an extremely strong yarn that is highly durable and tear resistant. The tough outer shell guarantees outstanding waterproof protection at all times.





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Lining, 80g MYYYYY Body: 100% Polyester, 140g Sleeves: 100% Polyester, 60g Hood and Collar: 100% Polyester, 40g

Black S-3XL, Metro Blue S-3XL





PADDED

PADDED

NEV

## **TREND LED STYLING**





BACK

# JACKET AND TROUSER



PADDED

\*\*

# WINTER **JACKET**



BACK



## **SMART ADDITION TO A CORPORATE UNIFORM**

# TECHNICAL RAIN JACKET



LINED



## UNRIVALLED MIX OF WATERPROOF AND BREATHABLE PROTECTION

1 \*

# **TECHNICAL RAIN JACKET**



#### S600 SHELL JACKET EN 343 CLASS 3:3 X WP 10,000MM, MVP 4,400G/M2/24HR

- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Engineered with an active fit
- · Internal chest pocket
- · Zipped vents at underarm for extra breathability
- · Grown on hood is stylish and practical
- · Pre-bent sleeves allow for increased freedom of movement

100% Polyester TPU, 140g Body and Hood: 100% Polyester Mesh, 65g Sleeves: 100% Polyester Taffeta, 60g Black S-3XL, Navy S-3XL



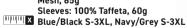
TEXPEL

TEXPEL





#### S602 **TWO-TONE SHELL JACKET** EN 343 CLASS 3:3 X WP 10,000MM, MVP 4,400G/M2/24HR · Extremely water resistant fabric finish, water beads away from fabric surface · Engineered with an active fit · Internal chest pocket · Grown on hood is stylish and practical · Zipped vents at underarm for extra breathability · Contrast panels for protection against dirt 100% Polyester TPU, 140g Body and Hood: 100% Polyester Mesh, 65g





ZIPPED VENTS AT UNDERARM





## EXTREME BREATHABLE ALL WEATHER PROTECTION

### **GARMENT BENEFITS**

PWR<sup>™</sup> is constructed from state-ofthe-art high performance waterproof and breathable textiles. Using innovative technology, the base fabric has been engineered to provide a technical barrier against the elements providing the maximum waterproof, breathable and windproof protection.





1 DURABLE WATER REPELLENT TREATED OUTER FABRIC

2 WATERPROOF AND BREATHABLE MEMBRANE

3 BREATHABLE INNER LINING

# TECHNICALLY ADVANCED ALL WEATHER PROTECTION



FLEECE CAN BE WORN AS A SEPARATE GARMENT

1 \*

# EXTREME BREATHABLE ALL WEATHER PROTECTION







#### S556 VANQUISH TROUSER EN 343 CLASS 3:3 X

WP 10,000MM, MVP 15,000G/M<sup>2</sup>/24HR

- Extremely water resistant fabric finish, water beads away from fabric surface
- Abrasion resistant oxford polyester
   2 side zip pockets for secure storage
- 2 side zip pockets for secure storage
   Elastic waist with toggle for a secure and comfortable fit

Side zip leg opening for easy access

 Double-layer reinforced knee protection for extra strength and durability

100% Polyester Oxford 600D, 230g











4\*



# ENHANCED VISIBILITY JACKET



### SUPERB WATERPROOF PROTECTION WITH ENHANCED VISIBILITY







**\***\*



300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g 100% Polyester Taffeta, 60g 100% Polyester, 170g Black XS-3XL, Navy XS-4XL



# ENHANCED VISIBILITY JACKET



#### **S435 IONA 4-IN-1 BOMBER JACKET** EN 343 CLASS 3:1 X WP 15,000MM EN 17353 TYPE B3

- Extremely water resistant fabric finish,
- water beads away from fabric surface Abrasion resistant oxford polyester Detachable lining for added versatility in all weather conditions
- Zip out sleeves for multi use
- Knitted cuffs and hem
- Reflective tape for increased visibility

#### 300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated,

190g 100% Polyester Fur Lining, 365g Body/Sleeve: 100% Polyester, 60g Sleeve: 100% Polyester Filling, 120g





#### S434 IONA LITE BOMBER JACKET EN 343 CLASS 3:1 X

- WP 15,000MM EN 342 0.342M<sup>2</sup>. K/W (B), 2, X EN 17353 TYPE B3
- Durable and waterproof jacket with sealed seams
- Quilt lined for thermal insulation
   Abrasian resistant exfert polyaster
- Abrasion resistant oxford polyester
   Inner ribbed cuffs for warmth and comfort
   Elasticated hem for a secure and
- comfortable fit

  Reflective tape for increased visibility
- 300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated,
- 190g 100% Polyester Taffeta, 60g 100% Polyester, 170g Black S-3XL, Navy XS-5XL







# **ENHANCED VISIBILITY** TROUSER



**S481 IONA LITE TROUSER** EN 343 CLASS 3:1 X WP 15.000MM

#### EN 17353 TYPE B2 · Extremely water resistant fabric finish,

- water beads away from fabric surface
- · Abrasion resistant oxford polyester
- · Fully elasticated waistband for ultimate wearer comfort
- · Side access pockets
- · Stud adjustable hems for a secure fit · Reflective tape for increased visibility

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g

Black S-3XL, Navy XS-3XL



**S482** 

EN 343 CLASS 3:1 X WP 15,000MM

EN 17353 TYPE B2

increase warmth

wearer comfort

190g 100% Polyester, 60g 100% Polyester, 170g

TEXPEL

Navy XS-XXL

300 OXFORD WEAVE

EN 342 0.349M<sup>2</sup>. K/W (B), 2, X

18







466

XS

# **COLD WEATHER** PROTECTION

## **FABRIC INFORMATION**

S585

boots

Made with 300 Denier 100% polyester yarn, this is a tough fabric for tough conditions, 300D fabric has superb abrasion and tear resistance. The polyurethane (PU) coating on the inside makes the fabric durable and waterproof, and the outer has a water and stain repellent coating which helps keep the garment clean.

> WINTER COVERALL EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.341M<sup>2</sup>. K/W (B). 2. X EN 17353 TYPE B2

· Abrasion resistant oxford polyester · Quilt lined for thermal insulation

extra strength and durability

S-XXL, Red S-XXL

190g 100% Polyester, 60g 100% Polyester, 170g



# **EXTREME COLD** WEATHER PROTECTION TO -40 °C



# BREATHABLE RAIN JACKET

**ARGO BREATHABLE 3-IN-1** 

WP 5,000MM, MVP 18,000G/M<sup>2</sup>/24HR
3-in-1 waterproof, breathable and windproof jacket with taped seams
Interactive fleece which can be worn as a separate jacket for multi use
Hook and loop cuffs for a secure fit
Drawcord adjustable hem
Storm flap front to protect against the

100% Polyester, PU coated, 135g Body: 100% Polyester Mesh, 60g Hood, Lower Body and Sleeves: 100% Polyester Taffetta 190T, 52g 100% Polyester, Anti-Pill finish

Fleece, 260g Black S-3XL, Navy S-3XL

S507

JACKET EN 343 CLASS 3:3 X

elements Internal chest pocket

12



FLEECE CAN BE WORN AS A SEPARATE GARMENT





LINED

3-IN-1

# **BREATHABLE RAIN JACKET**

S532

JACKET EN 343 CLASS 3:2 X

breathability · Zipped pockets · Inner elasticated cuff

12

7



7

Coated, 170g 100% Nylon Dobby, Breathable, PU Coated, 160g Upper Body: 100% Polyester Mesh, 60g Lower Body/, Sleeves & Hood: 100% Polyester Taffeta, 52g 100% Polyester, Anti-Pill finish Fleece,

280g



**FLEECE CAN BE WORN AS A SEPARATE GARMENT** 





469

1\*

# 3-IN-1 JACKET

S570

elements

closure

finishes

EN 343 CLASS 3:1 X WP 5,000MM

 3-in-1 waterproof, breathable and windproof jacket with taped seams
 Interactive fleece which can be worn as a separate jacket for multi use
 Hook and loop cuffs for a secure fit
 Double storm flap to protect against the

**AVIEMORE 3-IN-1 MEN'S JACKET** 

Concealed hook and loop fastening for easy

100% Polyester, Peach PVC Coated, 230g 100% Polyester, 60g 100% Polyester, Anti-Pill finish Fleece,

· Ideal for corporate wear and custom

260g Black S-3XL, Navy S-3XL

12

**\***\*

3-IN-1

6

MULTIFUNCTIONAL ALL SEASON STYLE



FLEECE CAN BE WORN AS A SEPARATE GARMENT



# 3-IN-1 JACKET

LINED

**/1** 3-IN-1

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# BREATHABLE RAIN JACKET





LINED

24

3

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# BREATHABLE RAIN JACKET AND TROUSER



12 4

#### S530 ARBROATH BREATHABLE FLEECE LINED JACKET EN 343 CLASS 3:2 X WP 5,000MM, MVP 9,000G/M<sup>2</sup>/24HR

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Fleece lining for added warmth and comfort
- · Zipped pockets
- · Hook and loop cuffs for a secure fit
- · Double storm flap to protect against the elements
- Drawcord adjustable hem

100% Polyester Micro-fibre, Peach Finish, Breathable, PU Coated, 140g Body: 100% Polyester Fleece, 280g Sleeves: 100% Polyester, 60g Sleeves: 100% Polyester Filling 100g Navy XS-5XL

S536

## AYR BREATHABLE TROUSER EN 343 CLASS 3:2 X

WP 5,000MM, MVP 9,000G/M<sup>2</sup>/24HR

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Waterproof keeping the wearer dry and protected from the elements
- $\cdot$  Taped seams to provide additional protection
- · Side access pockets
- $\cdot \;$  Stud adjustable hems for a secure fit
- · Fully elasticated waistband for ultimate wearer comfort

100% Polyester Micro-fibre, Peach Finish, Breathable, PU Coated, 140g







# **INSULATED JACKET**



#### S437 CORPORATE TRAFFIC JACKET EN 343 CLASS 3:1 X

WP 15,000MM

EN 342 0.349M<sup>2</sup>. K/W (B), 2, X

- $\cdot\;$  Waterproof keeping the wearer dry and protected from the elements
- $\cdot$  Fully lined and padded to trap the heat and increase warmth
- Internal pocket for safe storage
- $\cdot$  Inner ribbed cuffs for warmth and comfort
- $\cdot\,$  Storm flap front to protect against the elements
- · Ideal for corporate wear and custom finishes

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g

Resistant linish, bodic i o co 100% Polyester, 60g 100% Polyester, 170g



## EXTREME COLD WEATHER PROTECTION TO -40 °C



1 \*

## S563 RS MULTI-POCKET PARKA

## EN 343 CLASS 3:1 X

- WP 5,000MM
- · Waterproof keeping the wearer dry and protected from the elements
- Quilt lined for thermal insulation
- · Multiple utility pockets providing ample storage
- Hook and loop cuffs for a secure fit
- Concealed hook and loop fastening for easy closure Reflective trim for increased visibility and safety
- 100% Polyester, Ripstop, PVC Coated, 250g 100% Polyester, 55g 100% Polyester, 170g
- Navy S-XXL







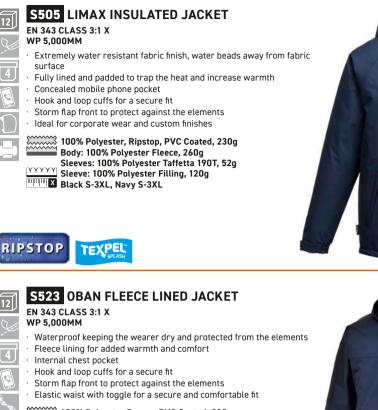


PADDED

PADDED

EN 342

# **INSULATED JACKET**



100% Polyester Pongee PVC Coated, 230g Upper Body: 100% Polyester Fleece, 280g Lower Body & Sleeves: 100% Polyester Taffeta, 60g YYYYY Lower Body: 100% Polyester Filling, 200g Sleeves: 100% Polyester Filling, 100g

Black XS-3XL, Navy XS-3XL





## **S521** DUNDEE LINED JACKET

#### EN 343 CLASS 3:1 X WP 5.000MM

- · Waterproof keeping the wearer dry and protected from the elements
- · Cotton flanette lining for added style
- · Internal pockets for safe storage
- · Handwarmer pockets
- · Inner elasticated cuff
- · Storm flap front to protect against the elements

100% Polyester Pongee PVC Coated, 230g Body: 100% Cotton Tartan, 130g Sleeves: 100% Polyester, 60g Body: 100% Polyester Filling, 200g Sleeves: 100% Polyester Filling, 100g Navy S-3XL









PADDED

# BOMBER JACKET

18



FLEECE LINED



#### S503 CALAIS BOMBER JACKET EN 343 CLASS 3:1 X WP 5,000MM, MVP 9,000G/M<sup>2</sup>/24HR

- Waterproof and breathable with taped seams to prevent water penetration
- Fully lined and padded to trap the heat and increase warmth
- Internal pockets for safe storage
  Storm flap front to protect against the
- elements • Hook and loop cuffs for a secure fit
- Hook and loop cutts for a secure it
   Ideal for corporate wear and custom finishes
- 100% Polyester Pongee PU coated, 100g
- Body: 100% Polyester Fleece, 260g Sleeves: 100% Polyester Taffeta 1907, 52g
- IYUI, 52g

   Sleeve: 100% Polyester Filling, 120g

   Black XS-3XL, Navy XS-3XL





476

GLOBAL INDUSTRY BEST SELLER

# BOMBER JACKET







4-IN-1



# ENHANCED VISIBILITY ALL WEATHER PROTECTION

# IONA

# 241 F440 CLASSIC IONA RAIN JACKET EN 343 CLASS 3:1 X

#### WP 5,000MM EN 17353 TYPE B3

## Lightweight, waterproof fabric with taped seams prevents water penetration Vented back yoke and eyelets for added

- breathability and comfort
- Inner elasticated cuff
- Reflective tape for increased visibility
   Drawcord hood and hem for a secure and comfortable fit
- · Front zip opening for easy access
- 100% Polyester, PVC Coated, 210g

## TEXPEL



**ENHANCED VISIBILITY** 





# **ENHANCED VISIBILITY ALL WEATHER PROTECTION**



BACK





# RAIN JACKET AND TROUSER

## **FABRICINFORMATION**

Constructed from a highly breathable, high technology, PU coated fabric, on a flexible 100% polyester tricot knit, 180g.

### GARMENT BENEFITS

Sealtex AIR incorporates exceptional levels of waterproof, windproof and breathable properties. The high frequency welded seams guarantee full protection against adverse weather conditions whilst the durable, supple and lightweight fabric ensures maximum comfort and ease of movement.



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### S350 SEALTEX AIR JACKET EN 343 CLASS 3:2 X

## WP 5,000MM, MVP 7,752G/M<sup>2</sup>/24HR

- $\cdot\;$  Durable and stretchy with wipe clean finish
- Vented back yoke and eyelets for added breathability and comfort
- · Stud adjustable cuffs for a secure fit
- Inner elasticated cuff
- · Double storm flap to protect against the elements
- $\cdot$  Concealed stud and zip fastening

Sealtex Air: 100% Polyester, Tricot Knit, PU Coated, 180g

## TEXPEL



SEALTEX AIR TROUSER EN 343 CLASS 3:2 X WP 5,000MM, MVP 7,752G/M<sup>2</sup>/24HR

- · Breathable fabric to draw moisture away from the body keeping
- the wearer cool, dry and comfortable
- · Waterproof with welded seams to prevent water penetration
- Durable and stretchy with wipe clean finish
- Fully elasticated waistband for ultimate wearer comfort
- Stud adjustable hems for a secure fit
  - · Retail bag which aids presentation for retail sales

Sealtex Air: 100% Polyester, Tricot Knit, PU Coated, 180g

# LIGHTER, BREATHABLE AND MORE FLEXIBLE







# RAIN JACKET AND TROUSER

## FABRIC INFORMATION

Constructed using 95% PVC, 5% PU, 310g. Sealtex Ocean is very soft and extremely flexible. It does not have the rigid stiffness usually associated with PVC blend fabric. This fabric is tested and proven to be highly water resistant. It has an additional tricot knitted backing for maximum wearer comfort.

## GARMENT BENEFITS

The superior quality of these garments provides a robust, high calibre range that caters to our customers requirements, whilst also maintaining unbeatable value. Additionally, high frequency welding ensures all seams are waterproof in extreme wet weather conditions.



#### SEALTEX OCEAN JACKET EN 343 CLASS 3:1 X WP 5.000MM

- Durable and stretchy with wipe clean finish
- Heavy duty plastic zip and full hook and loop fastening
- Stud adjustable cuffs for a secure fit
- Inner elasticated cuff
- Double storm flap to protect against the elements
- Retail bag which aids presentation for retail sales

Sealtex Ocean: 95% PVC, 5% PU, 310g



# TEXPEL



### S251 SEALTEX OCEAN TROUSER

EN 343 CLASS 3:1 X WP 5,000MM

- Extremely water resistant fabric finish, water beads away from fabric surface
- $\cdot \;$  Waterproof with welded seams to prevent water penetration
- $\cdot\,$  Durable and stretchy with wipe clean finish
- · Fully elasticated waistband for ultimate wearer comfort
- $\cdot$   $\,$  Stud adjustable hems for a secure fit
- · Retail bag which aids presentation for retail sales

Sealtex Ocean: 95% PVC, 5% PU, 310g





## COMPLETE WATERPROOF PROTECTION



18

# RAIN JACKET

#### S450 SEALTEX CLASSIC JACKET EN 343 CLASS 3:1 X WP 5,000MM

- Waterproof with welded seams to prevent water penetration
- Vented back yoke and eyelets for added breathability and comfort
- Stud adjustable cuffs for a secure fit Double storm flap to protect against the elements
- $\cdot$  Concealed stud and zip fastening
- · Generous fit for wearer comfort

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 200g Navy S-5XL, Olive Green S-3XL, Black S-XXL Yellow S-3XL

## FLEXIBLE PU FABRIC





# RAIN TROUSER

## **FABRIC INFORMATION**

Sealtex Classic is a high technology, PU coated fabric, on a flexible, highly resistant 100% Polyester tricot knit, 200g. Sealtex Classic fabric is tested regularly to ensure it meets and exceeds EN343 waterproof standards. Independent test houses carry out hydrolysis and hydrostatic testing. Sealtex Classic consistently achieves top results in these tests.

## GARMENT BENEFITS

This exclusive range is guaranteed to keep the wearer dry in the most adverse conditions. The welded seams ensure rain and wind are locked out and the durable, stretchy fabric can easily be wiped clean, allowing Sealtex garments to look good and last for longer.



#### SEALTEX CLASSIC TROUSER EN 343 CLASS 3:1 X WP 5,000MM

- Waterproof with welded seams to prevent water penetration
- Durable and stretchy with wipe clean finish
   Fully elasticated waistband for ultimate wearer comfort
- · Stud adjustable hems for a secure fit
- Retail bag which aids presentation for retail sales
- · Generous fit for wearer comfort

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 200g

Yellow S-3XL

## WELDED SEAMS FOR MAXIMUM WATERPROOFNESS



# TEAR RESISTANT AND ANTI-FUNGAL FINISH

## A

483



# RAIN BIB AND BRACE AND COVERALL





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SEALTEX CLASSIC BIB & BRACE EN 343 CLASS 3:1 X WP 5,000MM

- $\cdot\,$  Extremely water resistant fabric finish, water beads away from fabric surface
- · Waterproof with welded seams to prevent water penetration
- Durable and stretchy with wipe clean finish
- $\cdot\,$  Adjustable straps with durable buckle closure
- · Stud adjustable hems for a secure fit
- · Retail bag which aids presentation for retail sales

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 200g Navy S-3XL

## S452



SEALTEX CLASSIC COVERALL EN 343 CLASS 3:1 X WP 5,000MM

- · Waterproof with welded seams to prevent water penetration
- · Durable and stretchy with wipe clean finish
- Side access pockets
- · Elasticated back waist for a secure fit
- Inner elasticated cuff
- · Double storm flap to protect against the elements

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated,

200g IIIIIIIIX Navy S-3XL IIIIIIIIXY Yellow M-3XL







# RAINSUIT



## SEALTEX ESSENTIAL RAINSUIT (2 PIECE SUIT) EN 343 CLASS 3:1 X

- · Waterproof with welded seams to prevent water penetration
- · Stud adjustable cuffs for a secure fit
- Storm flap front to protect against the elements
- · Stud adjustable hems for a secure fit Fully elasticated waistband for ultimate wearer
- comfort · Retail bag which aids presentation for retail sales

Sealtex Essential: 95% PVC, 5% PU, 330g

## **PRACTICAL TWO PIECE RAIN SUIT**



RETAIL BAG



485



# CLASSIC RAIN JACKET

| 24<br>40.<br>UPF | S440<br>CLASSIC RAIN JACKET<br>EN 343 CLASS 3:1 X<br>WP 5,000MM |
|------------------|-----------------------------------------------------------------|
| 2                | Lightweight, waterproof fabric with taped                       |

- seams prevents water penetration Vented back yoke and eyelets for added
- breathability and comfort
- · Inner elasticated cuff

2

- Pack away hood for added functionality
   Retail bag which aids presentation for retail sales
- $\cdot$   $\,$  Generous fit for wearer comfort

 100% Polyester, PVC Coated, 210g

 Black, Navy, Olive Green

 Orange, Yellow





PRACTICAL ALL WEATHER PROTECTION SOLUTIONS

# CLASSIC RAIN TROUSER



## CLASSIC RAIN TROUSER EN 343 CLASS 3:1 X

WP 5,000MM

- Lightweight, waterproof fabric with taped seams prevents water penetration
- Side access pockets
- Fully elasticated waistband for ultimate wearer comfort
- Stud adjustable hems for a secure fit
   Retail bag which aids presentation for retail sales
- $\cdot \,$  Generous fit for wearer comfort

100% Polyester, PVC Coated, 210g

## TAPED SEAMS FOR COMFORT AND PROTECTION







# CLASSIC RAIN COAT



#### S438 CLASSIC RAIN COAT EN 343 CLASS 3:1 X WP 5,000MM

- Lightweight, waterproof fabric with taped seams prevents water penetration
- Vented back yoke and eyelets for added breathability and comfort
- Inner elasticated cuff
- Front zip opening for easy access
- Pack away hood for added functionality
- Generous fit for wearer comfort

Context 200% Polyester, PVC Coated, 210g Black S-3XL, Navy S-4XL, Olive Green S-3XL Yellow S-3XL

# LONGER COAT LENGTH 120CM





# **CLASSIC** RAINSUIT

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| []<br>} | L440<br>ESSENTIALS RAINSUIT (2 PIECE<br>SUIT)<br>EN 343 CLASS 3:1 X<br>WP 5,000MM |
|---------|-----------------------------------------------------------------------------------|
| J       | · Lightweight, waterproof fabric with taped                                       |

seams prevents water penetration Vented back yoke and eyelets for added breathability and comfort

- Front zip opening for easy access
  Elasticated cuffs for a secure fit
- · Fully elasticated waistband for ultimate wearer comfort
- · Stud adjustable hems for a secure fit

100% Polyester, 190T, PVC coated, 190g 

Yellow S-3XL

## THE BEST VALUE **WATERPROOF** SOLUTION







# **FUR LINED JACKET**





**\*\*** 

# **FUR LINED JACKET**





# HEATED JACKET

Heated jackets are constructed using innovative carbon fibre technology, featuring three panels on critical points of the body. Each jacket includes a 10,000MA USB rechargable battery that powers the heat technology (3-4 hours charging required). The built in controls allow the wearer to switch between three settings of heat; high, medium, low. The heated panels will give temperatures between 25-45C and can last up to 10 hours, depending on setting.



PADDED



#### S548 HI-VIS ULTRASONIC HEATED TUNNEL JACKET EN ISO 20471 CLASS 2: SIZE S EN ISO 20471 CLASS 3: SIZE M UPWARDS · Premium water resistant fabric

- Heat sealed seams for increased water and wind resistance
- Battery powered carbon fibre heated panels bring extra warmth to the wearer
- Battery life of up to 10 hours
- Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

#### 100% Polyester 4 Layer with a Breathable TPU Membrane, 195g 100% Polyester Pongee Ripstop with TPU Membrane bonded to 100% Polyester Tricot Knit 150g

100% Polyester Taffeta, 55g 100% Polyester, 260g













RoHS - Restriction Of Hazardous Substances. The 'Restriction of Hazardous Substances' directive is put in place to ensure all components of our electrical production will not endanger the user. S547, S548, S549 jackets and batteries are compliant to this standard.

18

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# **HEATED JACKET**



3

## **ULTRASONIC HEATED TUNNEL JACKET**

· Premium water resistant fabric

- · Heat sealed seams for increased water and wind resistance
- · Fully lined and padded to trap the heat and increase warmth
- · Battery powered carbon fibre heated panels bring extra warmth to the wearer
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

| ******    | 100% Polyester, 65g    |
|-----------|------------------------|
|           | 100% Polyester 550     |
| * * * * * | Insulatex Lining, 260g |
| minim X   | Black S-3XL            |

INSULATEX



PADDED



### S549 18

3

## **ULTRASONIC HEATED TUNNEL GILET**

· Premium water resistant fabric

- · Heat sealed seams for increased water and wind resistance
- · Fully lined and padded to trap the heat and increase warmth
- · Battery powered carbon fibre heated panels bring extra
- warmth to the wearer
- · Elasticated armholes
- · Drawcord adjustable hem

| ******   | 100% Polyester, 65g |
|----------|---------------------|
|          | 100% Polyester, 55g |
| mm       |                     |
| minimi X | Black S-3XL         |



## **HEATED PANELS FOR 10 HOURS** WARMTH AND WATER RESISTANT TO KEEP YOU DRY.





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# **HYBRID BAFFLE** JACKET







## **DX4 HYBRID BAFFLE JACKET**

· Body-mapped design helps balance insulation and increase freedom of movement

- · Dynamic inner contrasting fabric
- · Internal pockets for safe storage
- · Zipped chest pocket
- · Elasticated cuffs for a secure fit
- · Reflective piping for increased visibility

100% Nylon, 65g 100% Polyester, 20% Rayon, 5% Elastane,

330g YYYYYY Insulatex Lining, 120g Metro Blue S-3XL, Metal Grey S-3XL



PADDED

INSULATEX

6



## DX470 DX4 HYBRID BAFFLE GILET

- · Body-mapped design helps balance insulation and increase freedom of movement
- · Dynamic inner contrasting fabric
- · Internal pockets for safe storage
- · Zipped chest pocket
- · Reflective piping for increased visibility
- · Curved back hem for added protection

100% Nylon, 65g 75% Polyester, 20% Rayon, 5% Elastane,

330g YYYYY Insulatex Lining, 120g Insulatex Blue S-3XL, Metal Grey S-3XL

# **IDEAL FOR** LAYERING





# HYBRID BAFFLE JACKET

# WX 3



6

## WX3 HYBRID BAFFLE JACKET

- Body-mapped design helps balance insulation and increase freedom of
- Movement
   Made of durable breathable, windproof and water resistant fabric
- Internal pockets for safe storage
- · Side zip pockets
- · Elasticated cuffs for a secure fit
- Reflective trim for increased visibility and safety
- 94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 310g
- 100% Nylon Ripstop, 65g
- Metal Grey S-3XL, Persian Blue S-3XL



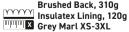


## 

#### **KX3 HYBRID BAFFLE JACKET** · Body-mapped design helps balance

- insulation and increase freedom of movement
- · Knitted fabric with brushed backing
- Internal pocket for safe storage
   Elastic bound hem and cuffs for comfort and warmth
- Reinforced panels in high wear areas for maximum durability
- Interchangeable zip pullers in blue, red and lime green are supplied for easy integration of corporate colours

#### 100% Nylon, 60g 100% Polyester Weft Knit with Brushed Back, 310g





INTERCHANGABLE ZIP PULLERS







PADDED

# **THERMAL JACKET**



## **ULTRASONIC TUNNEL JACKET**

- Premium water resistant fabric
- Heat sealed seams for increased water and wind resistance
- Fully lined and padded to trap the heat and increase warmth
- Elasticated cuffs for a secure fit
- · Drawcord adjustable hem
- Interchangeable zip pullers in blue, red and lime green are supplied for easy integration of corporate colours

100% Polyester, 65g 100% Polyester, 65g Insulatex Lining, 260g Black S-3XL, Dark Olive S-3XL, Metal Grey S-3XL, Navy S-3XL



PADDED

INTERCHANGABLE ZIP PULLERS

## **HEAT SEALED SEAMS FOR INCREASED WATER AND** WIND RESISTANCE



FIBRES TRAP AIR TO **RETAIN BODY HEAT** 



EXCELLENT WARMTH RETENTION

HOLLOW FIBRES TRAP AIR TO **RETAIN BODY HEAT** 

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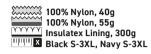
# THERMAL **JACKET**



18

## **S543** MEN'S ASPEN BAFFLE JACKET

- · Showerproof to resist light rain
- · Inner soft Insulatex lining traps heat fast keeping the
- wearer warm and protected from the elements
- · Designed with a comfort fit
- · Secure zip pocket for added security · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem





TEXPEL INSULATEX

JACKET



100% Nylon, 40g 100% Nylon, 55g Insulatex Lining, 300g Black XS-XXL, Navy XS-XXL

· Showerproof to resist light rain

· Designed with a comfort fit · Secure zip pocket for added security · Elasticated cuffs for a secure fit · Drawcord adjustable hem





## **S544** ASPEN BAFFLE GILET

- · Showerproof to resist light rain
- · Inner soft Insulatex lining traps heat fast keeping
- the wearer warm and protected from the elements
- · Designed with a comfort fit
- · Secure zip pocket for added security
- · Drawcord adjustable hem · Reversed zip for convenient opening/closing

100% Nylon, 40g 100% Nylon, 55g Insulatex Lining, 300g Black S-3XL, Navy S-3XL





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# SOFTSHELL

## WX 3 T753

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## WX3 ECO HYBRID SOFTSHELL JACKET (2L)

 $\cdot\,$  Made of durable breathable, windproof and water resistant fabric Environmentally friendly certified recycled fabric

PORTWEST

**PLANET** 

- · Zipped chest pocket
- · Elasticated cuffs for a secure fit
- · Back vent for breathability and comfort
- · Pre-bent sleeves allow for increased freedom of movement

94% Recycled Polyester, 6% Elastane Ripstop Bonded to 100% Recycled Micro Polyester Fleece, 280g 100% Recycled Polyester Weft Knit with Brushed Back, 310g Black S-3XL



**46 PET BOTTLES ARE RECYCLED TO MAKE** THIS JACKET

# WX 3

## WX3 SOFTSHELL JACKET (3L)

WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M<sup>2</sup>/24HR

- · Made of durable breathable, windproof and water resistant fabric · Sleeve pocket
- · Elasticated cuffs for a secure fit
- · Back vent for breathability and comfort
- · Reflective trim for increased visibility and safety
- · Pre-bent sleeves allow for increased freedom of movement

94% Polyester, 6% Elastane 160g laminated to 100% Polyester Micro Polar Fleece 150g, 310g Metal Grey S-5XL, Persian Blue S-3XL, Olive Green S-3XL

TEXPEL 5XL EZE ZIP

# WX 3

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### T751 WX3 SOFTSHELL GILET (3L)

#### WATERPROOF/BREATHABILITY WP 8,000MM, MVP 3,000G/M<sup>2</sup>/24HR

- Made of durable breathable, windproof and water resistant fabric
- · Contemporary design with an ergonomic cut
- · Internal pockets for safe storage
- Side zip pockets
- · Elasticated armholes
- · Reflective trim for increased visibility and safety

94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 310a Metal Grey S-3XL, Persian Blue S-3XL







NEW





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# SOFTSHELL



<u>\_\_\_</u>

## KX362 **KX3 HOODED SOFTSHELL (3L)**

WATERPROOF/BREATHABILITY WP 8.000MM, MVP 3.000G/M<sup>2</sup>/24HR

- · Made of durable breathable, windproof and water resistant fabric
- · Ripstop fabric to ensure durability and resistance to tearing and ripping
- · Contemporary design with an ergonomic cut · Side zip pockets

Hook and loop cuffs for a secure fit

· Pre-bent sleeves allow for increased freedom of movement

92% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 310g Black/Grey S-3XL, Black S-3XL





24

8

## KX363 KX3 SOFTSHELL GILET (3L)

WATERPROOF/BREATHABILITY -

- WP 8,000MM, MVP 3,000G/M<sup>2</sup>/24HR
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Ripstop fabric to ensure durability and resistance to tearing and ripping · Multiple utility pockets providing ample storage
- · Handwarmer pockets
- · Reflective piping for increased visibility
- · Drawcord adjustable hem

92% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 310g

Black S-3XL





#### PW271 **PW2 SOFTSHELL JACKET (2L)**

- Made of durable breathable, windproof and water resistant fabric
- Micro polar fleece lined and bonded with shell
- · 100% metal free
- Anti-scratch design with no exposed metal parts
- · Drawcord adjustable hem
  - · Ideal for corporate wear and custom finishes
  - 94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 280g Black/Red S-3XL, Black/Zoom Grey S-3XL,

Navy/Royal S-3XL







NE

# SOFTSHELL JACKET



# DX474

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**DX4 SOFTSHELL JACKET (3L)** WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M<sup>2</sup>/24HR

· Made of durable breathable, windproof and water resistant fabric

- · Dynamic inner contrasting fabric · Hook and loop cuffs for a secure fit
- Grown on hood is stylish and practical
- · Pre-bent sleeves allow for increased
- freedom of movement · Reflective piping for increased visibility

92% Polyester, 8% Elastane, laminated to 100% Polyester Micro

Polar Fleece, 310g 100% Polyester Mesh, 165g

> ROBUST STRETCH RIPSTOP PROVIDES SUPERIOR COMFORT AND PERFORMANCE

**ADVANCED TRIPLE DRY MEMBRANE TECHNOLOGY** (3L)



LINED

DRAWCORD ADJUSTABLE HEM









METRO BLUE

# **BASE LAYER**



### DX480 **DX4 ZIP BASE LAYER**

· 4-way stretch fabric for ease of movement and added comfort

- · Engineered with an active fit
- · Front zip opening for easy access
- · Internal pockets for safe storage
- · Elasticated cuffs for a secure fit
- · Thumb loop

210 92% Nylon, 8% Elastane, 210g Black S-3XL, Metro Blue S-3XL

### **DYNAMIC X4 STRETCH WORKWEAR**

### **FLEX SHELL JACKET**





**PW3 FLEX SHELL JACKET** WATERPROOF/BREATHABILITY -WP 5,000MM, MVP 3,000G/M<sup>2</sup>/24HR

- · Made of durable breathable, windproof and water resistant fabric
- · Side zip pockets
- · Quick dry elastic bound cuff
- · Ezee zip allows for quick and easy fastening even when wearing work gloves
- · Reflective trim for increased visibility and safety · Drawcord adjustable hem

100% Polyester laminated to 100% Polyester Mesh, 185g Black S-3XL





### **PW3 FLEX SHELL**

Portwest PW3 Flex Shell fabric is the latest evolution of soft-shell fabrics to deliver maximum performance and protection from the weather. This highly durable 3-layer laminate fabric is water repellent and windproof with a stretch finish. Incredible suppleness offers outstanding user comfort. With low weight to high warmth ratios, the soft mesh inner face feels dry and comfortable next to the skin during extended periods of wear.



THUMB HOLES FOR ADDED COMFORT AND EASE OF LAYERING

### WOMEN'S SOFTSHELL



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#### TK42 CARLA SOFTSHELL JACKET (3L)

#### WATERPROOF/BREATHABILITY WP 8,000MM, MVP 1,000G/M<sup>2</sup>/24HR

MADE FOR WOMEN

- · Showerproof to resist light rain
- Extra long body length
- Storm flap front to protect against the elements
- Drawcord adjustable waist for a comfortable fit
- Chin guard for added comfort and stability
  Hood for added protection against the
- Hood for added protection against the elements
- 94% Polyester, 6% Elastane, 310g 100% Polyester Taffeta, 65g Black XS-XXL, Charcoal Grey XS-XXL, Navy XS-XXL

### STYLISH AND PRACTICAL WITH A TAILORED FIT



502

NAVY

CHARCOAL GREY

LINED

NEW

# SOFTSHELL



### TK40

OREGON MEN'S SOFTSHELL JACKET (3L) WATERPROOF/BREATHABILITY -WP 3,000MM, MVP 600G/M<sup>2</sup>/24HR

- Made of durable breathable, windproof and water resistant fabric
- Micro polar fleece lined and bonded with shell
- · Phone pocket
- Hook and loop cuffs for a secure fit
   Water resistant zips to prevent water penetration
- · Drawcord adjustable hem
- 94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 320g ■■■■ Black S-4XL, Navy S-3XL



## WOMEN'S SOFTSHELL



6

#### CHARLOTTE WOMEN'S SOFTSHELL (3L) WATERPROOF/BREATHABILITY -WP 3,000MM, MVP 600G/M<sup>2</sup>/24HR

- Made of durable breathable, windproof and water resistant fabric
- Micro polar fleece lined and bonded with shell
- · Phone pocket
- Hook and loop cuffs for a secure fit
  Water resistant zips to prevent water
- penetration
- · Drawcord adjustable hem

94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, 320g







## **SOFTSHELL**

### **TK20 MEN'S PRINT & PROMO** SOFTSHELL (2L)

24

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**\*\*** 

· Made of durable breathable, windproof and water resistant fabric

NEW COLOUR

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- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Micro polar fleece lined and bonded with shell · Zipped pockets
- · Ideal for corporate wear and custom finishes · 2 layer

96% Polyester, 4% Elastane bonded Black S-3XL, Navy S-3XL, Aqua S-3XL, White S-3XL

### **BREATHABLE**, WINDPROOF, WATER RESISTANT **AND GREAT VALUE**





### WOMEN'S SOFTSHELL

XS



# SOFTSHELL



#### TK50 SOFTSHELL JACKET (3L) WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M<sup>2</sup>/24HR

 Made of durable breathable, windproof and water resistant fabric

- Micro polar fleece lined and bonded with shell
- Generous fit for wearer comfort
   Waterproof zips to prevent water penetration
- Hook and loop cuffs for a secure fit
- · Chin guard for added comfort and stability

 94% Polyester, 6% Elastane 160g laminated to 100% Polyester Micro Polar Fleece 150g, 310g
 Black XS-5XL, Navy XS-5XL, Grey S-XXL





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#### SOFTSHELL BODYWARMER (3L) WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M<sup>2</sup>/24HR

- Made of durable breathable, windproof and water resistant fabric
- $\,\cdot\,$  Micro polar fleece lined and bonded with shell
- · Waterproof zips to prevent water penetration
- · Phone pocket
- · Zipped pockets
- Drawcord adjustable hem

94% Polyester, 6% Elastane 160g laminated to 100% Polyester Micro Polar Fleece 150g, 310g

### WATERPROOF ZIPS FOR ADDED PROTECTION





# SOFTSHELL



#### **TK53** SOFTSHELL WITH HOOD (3L) WATERPROOF/BREATHABILITY -WP 8,000MM, MVP 3,000G/M<sup>2</sup>/24HR

· Made of durable breathable, windproof and water resistant fabric

· Micro polar fleece lined and bonded with shell

· Premium styling with pre-formed elbow shaping

· Internal pocket for safe storage

· Hook and loop cuffs for a secure fit · Waterproof zips to prevent water penetration

XXXXXX 94% Polyester, 6% Elastane 160g laminated to 100% Polyester Micro Polar Fleece 150g, 310g Black S-3XL, Navy S-3XL





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### SHERPA FLEECE JACKET





DURABLE WATER RESISTANT OVERLAY IDEAL FOR OVERBRANDING

### **FLEECE** JACKET



5

### **KX3 PERFORMANCE FLEECE**

- · Knitted fabric with brushed backing · Reinforced panels in high wear areas for maximum durability
- · Internal pockets for safe storage
- · Dropped back hem for better coverage
- · Front zip opening for easy access
- · Interchangeable zip pullers in blue, red and lime green are supplied for easy integration of corporate colours

100% Polyester Weft Knit with Brushed Back, 310g 94% Polyester, 6% Elastane, 300g Grey Marl S-3XL, Olive Green S-3XL, Persian Blue S-3XL, Platinum Grey S-3XL







INTERCHANGABLE ZIP PULLERS





- · Anti-pill durable fleece fabric
- · Contrast panels for protection against dirt
- · Lined for added warmth and comfort
- Zipped pockets
- $\cdot~$  Elasticated cuffs for a secure fit
- $\cdot \,$  Drawcord adjustable hem







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# **HEAVYWEIGHT FLEECE JACKET**

**4**00g

Portwest fleece styles are made using high quality anti-pill polar fleece fabrics. These fleeces offer exceptional value whilst providing maximum warmth and comfort to the wearer.

#### F400 ARGYLL HEAVY FLEECE EN 14058 CLASS 2

 Heavy weight polar fleece with anti-pill finish for added warmth and comfort

- $\cdot$  Generous fit for wearer comfort
- $\cdot \,$  Zipped pockets
- · Front zip opening for easy access
- · Elasticated cuffs for a secure fit
- $\cdot \;$  Drawcord adjustable hem

100% Polyester, Anti-Pill finish Fleece, 400g

Black, Bottle Green, Navy, Red, Royal Blue, Slate Grey

### SOFT PILE FOR MAXIMUM COMFORT AND WARMTH







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### **MEN'S ARAN FLEECE** EN 14058 CLASS 1

- · Middle weight polar fleece with anti-pill finish for added warmth and comfort
- · Generous fit for wearer comfort
- · Zipped pockets
- · Front zip opening for easy access
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

#### 100% Polyester, Anti-Pill finish Fleece, 280g

Black XS-3XL, Navy XS-4XL, Aqua S-3XL. White S-3XL











· Middle weight polar fleece with anti-pill finish for added warmth and comfort

- · Generous fit for wearer comfort
- Zipped pockets

9

- Front zip opening for easy access
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

100% Polyester, Anti-Pill finish Fleece, 280g

XS-XXL, White XS-XXL







#### F285 WINDPROOF FLEECE EN 14058 CLASS 1

- Middle weight polar fleece with anti-pill finish for added warmth and comfort
- Internal chest pocket
- · Zipped pockets
- · Front zip opening for easy access
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

100% Polyester, Anti-Pill finish Fleece, 280g 100% Polyester, 84g Navy S-XXL







- Heavy weight polar fleece with anti-pill finish for added warmth and comfort
- $\cdot$   $\,$  Generous fit for wearer comfort
- · Front zip opening for easy access
- · Zipped pockets
- Phone pocket
- · Drawcord adjustable hem

100% Polyester, Anti-Pill finish

Black XS-4XL, Grey XS-4XL, Navy XS-4XL







### **BODYWARMER**



XS 4XL TEXPEL

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# BODYWARMER



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### **S414** SHETLAND BODYWARMER

Durable polycotton fabric for high performance and maximum wearer comfort

- · Cotton flanette lining for added style
- · Fully lined and padded to trap the heat and increase warmth
- · Handwarmer pockets
- · Storm flap front to protect against the elements
- · Stud front opening for easy access

65% Polyester, 35% Cotton, 190g 100% Cotton Tartan, 130g 100% Polyester, 200g Bottle Green S-3XL, Black S-4XL, Navy XS-5XL







### F414 IONA BODYWARMER

#### EN 17353 TYPE B3

- Durable polycotton fabric for high performance and maximum wearer comfort
- Fully lined and padded to trap the heat and increase warmth
   Handwarmer pockets
- ID pocket can be visible or concealed
- Reflective tape for increased visibility
- Storm flap front to protect against the elements

65% Polyester, 35% Cotton, 190g 100% Polyester, 60g 100% Polyester, 200g Navy S-3XL





### **S413** KINROSS BODYWARMER

- Fully lined and padded to trap the heat and increase warmth
- Stud front opening for easy access

| · | 2 pocket | s for | sec | ure st | orage |
|---|----------|-------|-----|--------|-------|
| ~ | ~~~~~    |       |     |        |       |

| £22223  | 100% Polyester, 60g  |
|---------|----------------------|
|         | 100% Polyester, 60g  |
| YYYYY   | 100% Polyester, 100g |
| minim X | Navy XS-3XL          |





3

### S412 GLASGOW BODYWARMER

- Durable polycotton fabric for high performance and maximum wearer comfort
- · Fully lined and padded to trap the heat and increase warmth
- Internal chest pocket
- · Kangaroo pocket for ample storage
- Elasticated hem for a secure and comfortable fit
- · Front zip opening for easy access

65% Polyester, 35% Cotton, 190g 100% Nylon, 60g 100% Polyester, 150g Navy XS-4XL





## ACCESSORIES



### **GL13** KNIT GLOVE INSULATEX LINED

- Inner soft Insulatex lining offering warmth and comfort
- Knitted cuff for comfort and warmth Outer acrylic knit fabric

100% Acrylic, Knit, Insulatex Lining, 40g Black One Size, Navy One Size

#### **GL14** FINGERLESS KNIT 240 **INSULATEX GLOVE**

- Inner soft Insulatex lining offering warmth and comfort
- Knitted cuff for comfort and warmth Outer acrylic knit fabric
- 100% Acrylic, Knit Insulatex Lining, 40g Black One Size, Navy One Size



### **GL16** TOUCHSCREEN KNIT GLOVE

- This glove can be used with most mobile touchscreen devices
- Outer acrylic knit with metallic component allowing precise movement on touchscreen devices
- Knitted cuff for comfort and warmth
- 🗱 100% Acrylic, Knit
- Black S/M-XXL/3XL, Navy S/M L/XL



### **GL12** FLEECE GLOVE **INSULATEX LINED**

Inner soft Insulatex lining traps heat fast keeping the wearer warm and protected from the elements

- Adjustable straps for a secure fit
- Gripper pads on palm and index finger

#### 100% Polyester, Anti-Pill finish



Fleece, 316g Insulatex Lining, 40g Black One Size, Navy One Size



CS21 NECK TUBE

Middle weight polar fleece with anti-pill finish for added warmth and comfort

- Designed with a comfort fit
- · Adjustable cord and toggle for a secure fit

100% Polvester, Anti-Pill finish Fleece, 280g

Black One Size, Navy One Size



#### CS25 ANTI-MICROBIAL **MULTIWAY SCARF**

- 4-way stretch fabric for ease of movement and added comfort
- Reusable and machine washable at 60 degrees Retail box which aids presentation for retail
- sales

#### 88% Cotton, 2% Elastane with Texpel Micro, 180g

Cobalt Blue One Size, Yellow One Size, Black One Size



### **CS20** FLEECE BALACLAVA

Wind resistant to protect against wind chill Anti-pill durable fleece fabric

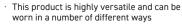
100% Polyester, Anti-Pill finish

Fleece, 190g Black One Size, Navy One Size



### **CS23** MULTIWAY BALACLAVA

- 4-way stretch fabric for ease of movement and added comfort
- Perforated holes at breathable mouthguard allows for a comfortable wear



Kingsmill Polyester Stretch: 92% Polyester, 8% Elastane, 260g 🗱 100% Polyester, 300g Black One Size



- Available in an excellent choice of corporate colours
  - Retail box which aids presentation for retail sales
- · 100 pieces per box

#### Thermoplastic Rubber, PP

Lime Green One Size, Orange One Size, Royal Blue One Size, Red One Size, Yellow One Size

# ACCESSORIES



**B013 KNIT CAP INSULATEX** 

Inner soft Insulatex lining offering warmth

Available in an excellent choice of corporate

Black One Size, Grey One Size, Navy

Orange One Size, Yellow One Size

Outer acrylic knit fabric

100% Acrylic, Knit

One Size

Insulatex Lining, 40g

**I INFD** 

and comfort

colours



### **B024** STRIPED INSULATED KNIT CAP, INSULATEX LINED

- Inner soft Insulatex lining offering warmth and comfort
- Outer acrylic knit fabric Knit gauge 7 for shape retention
- 100% Acrylic, Knit Insulatex Lining, 40g Grey One Size, Grey/Black One Size



### HA10 FLEECE HAT **INSULATEX LINED**

- · Anti-pill durable fleece fabric Inner soft Insulatex lining traps heat fast
- keeping the wearer warm and protected from the elements
  - Darts for additional shaping
- 100% Polyester, Anti-Pill finish Fleece, 280g Insulatex Lining, 40g Black One Size, Navy One Size,
  - Orange One Size, Yellow One Size



**B023** REFLECTIVE TRIM KNIT

Inner soft Insulatex lining offering warmth

Reflective trim for increased visibility and

Orange One Size, Yellow One Size

HAT INSULATEX LINED

Outer acrylic knit fabric

100% Acrylic, Knit

Insulatex Lining, 40g

Black One Size, Navy One Size,

and comfort

safety

### **B026** REFLECTIVE KNIT HAT, **INSULATEX LINED**

Outer acrylic knit fabric

Inner soft Insulatex lining offering warmth and comfort

- Reflective trim for increased visibility and safetv
  - 100% Acrylic, Knit Insulatex Lining, 40g

Black One Size, Navy One Size



X Orange/Black One Size, Yellow/ Black One Size



#### **B010** SIX PANEL BASEBALL CAP

- Durable polycotton fabric for high performance and maximum wearer comfort
- · Adjustable size for a perfect fit
- · Eyelets for added breathability





### **B031 WATERPROOF BEANIE**

- Waterproof keeping the wearer dry and protected from the elements
- Outer acrylic knit fabric

Inner soft Insulatex lining traps heat fast keeping the wearer warm and protected from the elements



100% Acrylic, Knit 🛱 Porelle Membrane Insulatex Lining, 40g Black One Size, Navy One Size, Yellow One Size



### HA13 WINTER TRAPPER CAP

- Fur lined for added warmth and comfort
- Quilt lined for thermal insulation
- Chin guard for added comfort and stability



100% Polyester, 90g 100% Acrylic, 400g 100% Polyester, 100g Black One Size

# COLDSTORE

### **FABRIC INFORMATION**

Constructed from 100% Breathable Polyester, Oxford weave, with a Stain Resistant finish, 150g. The fabric is lined with 100% Polyester with a thermal interlining, 300g for extra warmth and comfort.

### **GARMENT BENEFITS**

For the best protection in the most hostile conditions, look no further than this outstanding collection of ColdStore garments. Our designers have worked with trial groups to develop a unique collection that is above all warm, practical and comfortable to wear. Performance is a key requirement, along with a garment that maintains heat without being bulky and heavy.



#### COLDSTORE COVERALL EN 342 0.454M<sup>2</sup>. K/W (B), 2, X

- · Abrasion resistant oxford polyester
- $\cdot$  Quilt lined for thermal insulation
- Elasticated back waist for a secure fit
- Knitted cuff for comfort and warmth
   Reflective tape for increased visibility
- Zipped ankles for easy fitting over work boots

100% Breathable Polyester, Oxford Weave, Stain-Resistant Finish, 150g 100% Polyester, 60g 100% Polyester, 300g Navy S-3XL

# PROTECTION IN EXTREMELY COLD ENVIRONMENTS





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EN 342



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# **COLDSTORE**

TEXPEL

6XL



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# **PREMIUM BASE LAYER**

# Portwest's premium base layer garments draw moisture away from the body keeping the wearer cool, dry and comfortable under exerting conditions. The fabric

enables enhanced performance by rapidly wicking excess moisture away from the skin. Featuring advanced design with seamless body mapping for optimal comfort and breathability for the wearer.



1\*

### **PREMIUM BASE LAYER**





### **DRYING AND** WICKING FOR OPTIMUM WEARER COMFORT



RETAIL BOX

#### B171 DYNAMIC AIR BASELAYER LEGGING

- · Wicking, cooling and drying capabilities
- · Seamless body mapped panelling for
- breathability and comfort · Provides insulation and thermal
- protection Fast drying
- · Contrast colour stitching for added style
- · Designed with a comfort fit

60% Nylon, 35% Polyester, 5% Elastane, 165g Charcoal S-XXL



PORTWEST

**\*\*** 

## **BASE PRO TOP AND LEGGING**



90

#### B153 BASE PRO ANTIBACTERIAL TOP

- Provides insulation and thermal protection
- Unique anti-bacterial silver ion treatment
- Breathable, high-wicking, moisture management
- · Designed with a comfort fit
- Contrast colour stitching for added style
- Retail box which aids presentation for retail sales
- 93% Wicking Polyester, 7% Elastane with Silver Ion Treatment, 165g









- protection
   Unique anti-bacterial silver ion
- treatment
  Breathable, high-wicking, moisture management
- Contrast colour stitching for added style
- · Designed with a comfort fit
- Retail box which aids presentation for retail sales
- 93% Wicking Polyester, 7%

   Elastane with Silver Ion

   Treatment, 165g

   Black S-XXL

### SILVER ION TREATMENT REDUCES ODOUR



# **BASE LAYER**

Baselayer garments are made from a 100% Wicking Polyester which draws moisture away from the body keeping the wearer cool, dry and comfortable under exerting conditions. The garments are suitable for all levels of activity and can be worn as an extra thermal layer for workwear in cold weather or as a technical sports garment for added comfort and enhanced performance.

### BASE LAYER

### **B133** THERMAL BASELAYER TOP

- · Provides insulation and thermal protection
- · Breathable, high-wicking, moisture management
- · Designed with a comfort fit
- · Excellent moisture wicking properties
- · Available in sizes up to 4XL
- · Retail box which aids presentation for retail sales

100% Wicking Polyester, 140g



SHELL FABRIC



**RETAIL BOX** 

### BASE LAYER



#### B131 THERMAL BASELAYER LEGGINGS

- · Provides insulation and thermal protection
- · Breathable, high-wicking, moisture
- management
- · Designed with a comfort fit
- · Excellent moisture wicking properties
- · Available in sizes up to 4XL
- Retail box which aids presentation for retail sales

100% Wicking Polyester, 140g

### HIGH PERFORMANCE WICKING FABRIC





# **BASE LAYER**



48

### **B120** THERMAL T-SHIRT SHORT SLEEVE

- · Provides insulation and thermal protection
- $\cdot$  Designed with a comfort fit
- Available in an excellent choice of corporate colours

50% Polyester, 50% Cotton, 200g

|    | 1 | REG    |
|----|---|--------|
|    |   | S-3XL  |
|    |   | XS-3XL |
| XS |   | S-3XL  |

### BASE LAYER

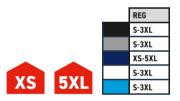
48

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### **B123** THERMAL T-SHIRT LONG SLEEVE

- · Provides insulation and thermal protection
- · Designed with a comfort fit
- · Round neck and long sleeves
- · Available in an excellent choice of corporate
- colours
- $\cdot\,$  Available in sizes up to 5XL

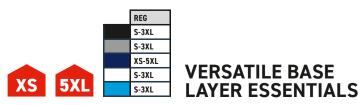
50% Polyester, 50% Cotton, 200g



### BASE LAYER



- $\cdot$   $\,$  Provides insulation and thermal protection
- Designed with a comfort fit
- $\cdot \,$  Ribbed hem for a comfortable fit
- Available in an excellent choice of corporate colours
- $\cdot\,$  Available in sizes up to 5XL
- 50% Polyester, 50% Cotton, 200g









B173 520

B171 521

PORTWEST

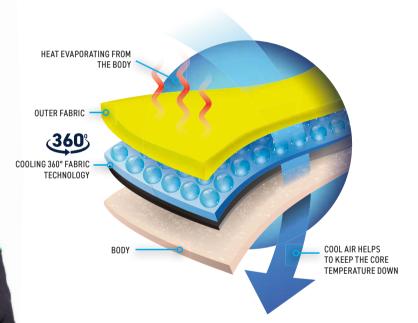
CV04

CV02

# PORTWEST COOLING 360°

### THE LATEST IN COOLING TECHNOLOGY

This innovative range offers a comprehensive selection of products to help minimise the risk of heat stress and UV rays. Outdoor workers in construction, agriculture, mining, oil and gas and other industries frequently find themselves working in temperatures up to and over 40°C/100°F This Cooling range is ideal for use in these conditions.



### FABRIC INFORMATION

Portwest evaporative cooling products are constructed from Cooling 360° Fabric Technology which uses a unique polymer chemistry. Simply activate by soaking in water creating a chemical reaction within the fabric which enables the garments to act like a sponge; retaining water, keeping the body cool in hot weather conditions.



THE GARMENT WILL REMAIN HYDRATED FOR SEVERAL HOURS TO REACTIVATE REPEAT STEPS 1, 2 AND 3



# **COOLING VESTS**



### EN 17353 TYPE B3

- · Lightweight and comfortable
- · Cooling mesh fabric for increased breathability
- Front zip opening for easy access
- · Keeps wearer cool for up to 8 hours
- Wicking, cooling and drying capabilities
- · Soak in water to activate
- 100% Polyester Mesh, 60g Bamboo Yarn with PVA Padding, 330g Grey S/M-XXL/3XL

### **KEEP COOL FOR UP TO 8 HOURS**



### **CV02**

**HIGH VIS COOLING VEST** EN ISO 20471 CLASS 2 ANSI/ISEA 107 TYPE R CLASS 2

· Lightweight and comfortable

- · Cooling mesh fabric for increased breathability Pen pocket
- · Reflective tape for increased visibility
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities

100% Polyester, Tricot, 120g 100% Polyester Mesh, 60g Bamboo Yarn with PVA Padding, 330g Orange S/M-XXL/3XL, Yellow S/M-XXL/3XL





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# **COOLING ACCESSORIES**





PORTWEST COOLING 360°

- Lightweight and comfortable
- · Neck shade for added protection against UV rays
- Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- · Soak in water to activate

100% Polyester, Bird Eye Knit, 140g PVA Padding, 210g Blue One Size, Black One Size, Yellow One Size - 95cm 35 cm



### CV03 COOLING CROWN WITH NECK SHADE

- Lightweight and comfortable
- Neck shade for added protection against UV rays
- Hook and loop fastening for easy attachment
- · Compatible with most helmets
- Keeps wearer cool for up to 8 hours
- Wicking, cooling and drying capabilities

100% Polyester, 140g Super Absorbent Fibres, 160g

Orange/Blue One Size, Yellow/Blue One Size



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### CV04 COOLING HEAD BAND

- Lightweight and comfortable
- Neck shade for added protection against UV rays
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- Soak in water to activate

100% Polyester, Bird Eye Knit, 140g Super Absorbent Fibres, 160g Black One Size, Blue One Size



- Lightweight and comfortable
- Elasticated back panel
- Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- Soak in water to activate

100% Polyester, Bird Eye Knit, 140g Super Absorbent Fibres, 160g Blue One Size, Black One Size, Yellow One Size

528

# PORTWEST<br/>COOLING 360COOLING ACCESSORIES



### **CV06** COOLING TOWEL

- Lightweight and comfortable
- Neck shade for added protection against UV rays
- Retail bag which aids presentation for retail sales
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- · Soak in water to activate

PVA Padding, 210g Blue One Size - 66cm x 21cm



### CS24 COOLING MULTIWAY SCARF

- 4-way stretch fabric for ease of movement and added comfort
- This product is highly versatile and can be worn in a number of different ways Can be worn wet or dry
- Retail box which aids presentation for retail calec
- Keeps wearer cool for up to 8 hours Wicking, cooling and drying capabilities

#### Kingsmill Polyester Stretch: 92% Polyester, 8% Elastane, 180g Black One Size



**41CM IN LENGTH** 

#### CV08 COOLING SLEEVES 192

- Lightweight and comfortable
- 4-way stretch fabric for ease of movement and added comfort
- · Can be worn wet or dry
- · Keeps wearer cool for up to 8 hours
- Wicking, cooling and drying capabilities
- · Soak in water to activate

#### Kingsmill Polyester Stretch: 92% Polyester, 8% Elastane, 160g



100% Polyester, Bird Eye Knit, 140g Blue One Size, Black One Size, Yellow One Size





### **CV07** COOLING HELMET SWEATBAND

- Lightweight and comfortable
- Compatible with most helmets
- Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities · Soak in water to activate
- · This product is sold in pairs

100% Cotton, 130g Super Absorbent Fibres, 160g Blue One Size - 25.5cm





### **CV10** COOLING SHOULDER INSERT Lightweight and comfortable

- · Ring stud front for easy opening
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- · Soak in water to activate

100% Polyester, 140g Super Absorbent Fibres, 160g

Yellow/Blue One Size

529

# CHEFSWEAR THE PROFESSIONALS CHOICE



This exclusive range of Chefswear has been designed especially for busy catering professionals. Using high quality, hardwearing fabrics and advanced construction techniques, each style has been tested to withstand the rigours of everyday wear and tear. Practical and stylish with an array of designs from classic to modern, this range has been designed to keep the wearer cool and comfortable in hot working environments.



**Kingsmill™** Cotton is fully pre shrunk and has excellent dye retention properties. The long staple fibres used in the construction process provide strength, pilling resistance and a quality finish.



Constructed from 65% Polyester, 35% Cotton, **Kingsmill™** fabric guarantees high performance and maximum comfort. The material is fully pre-shrunk, has superior dye retention and all the features you would expect from a modern fabric.



MeshAir™ Pro is a double layer 100% polyester aerated mesh designed to improve airflow and draw moisture away from the skin, leaving the wearer cool, dry and comfortable. The MeshAir Pro 140g fabric features special hollow fibres that enhance air circulation to help regulate body temperature, while the double layer construction offers improved breathability and protection.



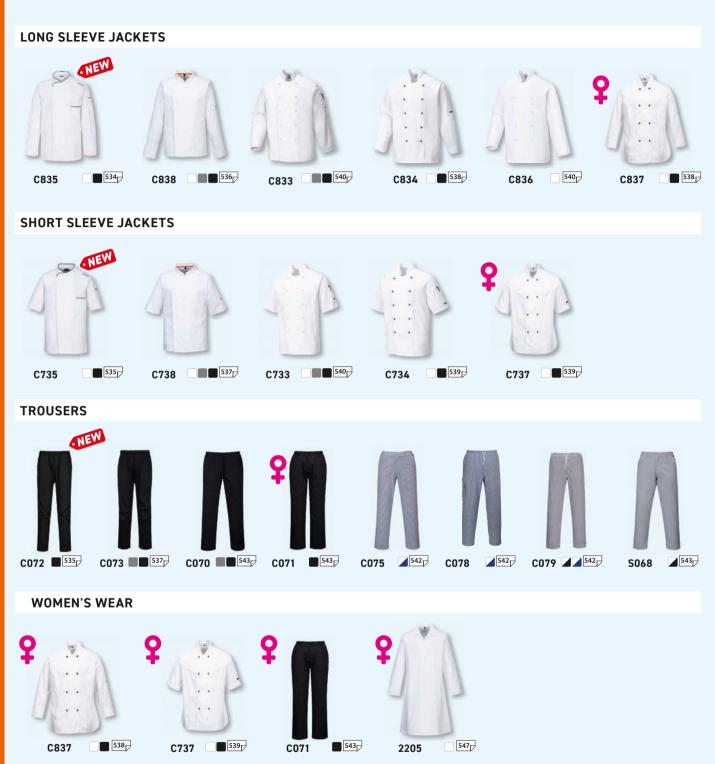
Our exclusive range of chefs jackets feature **MeshAir™** aerated underarm mesh panels. Constructed from 100% polyester, MeshAir aerated mesh 110g helps improve airflow and wicks moisture away from the skin. Special hollow polyester fibres improve air circulation, helping to keep you cool, dry and comfortable.



**Texpel™** SOS, Splash, Oil and Stain is a premium fabric finish which repels oil and liquids, causing them to bead up and roll off the fabric surface. The finish also helps release stains in the washing process, keeping garments looking cleaner for longer.

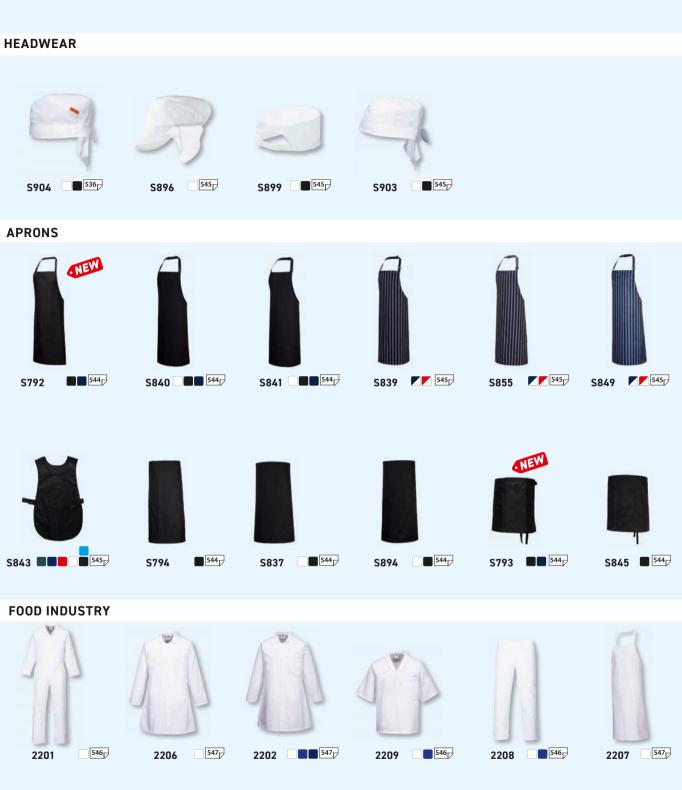
KINGSMILL, TEXPEL and MESHAIR are trademarks of Portwest.

### **CHEFSWEAR**



# ESPECIALLY DESIGNED FOR BUSY CATERING PROFESSIONALS

### PREMIER RANGE OF CATERING ACCESSORIES



TO SEE OUR RANGE OF DISPOSABLE GLOVES AND DISPOSABLE WORKWEAR SEE PAGES 766-769.

4::

### COTTON SLIM FIT JACKET

SLIM FIT

NEW

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- Made from 100% cotton fabric for added comfort and breathability
- Premium stain resistant finish repels oil, water and grime
- MeshAir™ aerated mesh fabric to increase air flow
- · Concealed stud front for easy access
- · Concealed zip pocket
- $\cdot$  Superior styling with French cuffs

Kingsmill Cotton with Texpel Finish: 100% Cotton, 190g MeshAir Pro: 100% Polyester Mesh 140g White S-3XL Black S-3XL

### BREATHABLE DURABLE COMFORT







3

### C735 SURREY CHEFS JACKET S/S

- $\cdot~$  Made from 100% cotton fabric for added comfort and breathability
- $\cdot~$  Premium stain resistant finish repels oil, water and grime
- $\cdot \;$  MeshAir<sup>TM</sup> aerated mesh fabric to increase air flow
- $\cdot~$  Slim fit design for exceptional comfort
- · Concealed stud front for easy access
- $\cdot$  Concealed zip pocket

Kingsmill Cotton with Texpel Finish: 100% Cotton, 190g MeshAir Pro: 100% Polyester Mesh 140g White S-3XL

Black S-3XL



4

### SURREY TROUSER

- Made from 100% cotton fabric for added comfort and breathability
   MeshAir™ aerated mesh fabric on back of knee and crotch gusset to increase air flow
- Fully elasticated waistband for ultimate wearer comfort
   Handy zipped side thigh pocket
- Adjustable hem to accommodate all leg lengths
- Articulated darts for additional shaping

Kingsmill Cotton with Texpel Finish: 100% Cotton, 190g MeshAir Pro: 100% Polyester Mesh 140g







535

SLIM FIT

### MESHAIR PRO BANDANA AND JACKET







### 144 **S904**

### MeshAir PRO BANDANA

- Durable polyester/cotton fabric with Texpel stain resistant finish
- Premium stain resistant finish repels oil, water and grime
- Cooling mesh fabric for increased breathability
- Non shrinking to ensure that this style maintains its shape wash after wash
- Two ties at the back for a secure fit

#### Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 190g MeshAir Pro: 100% Polyester Mesh, 140g

Black One Size, White One Size



### C838

1

### MeshAir PRO JACKET L/S

- Durable polyester/cotton fabric with Texpel stain resistant finish
- MeshAir™ aerated mesh fabric on
- underarm gusset to increase air flow
- Superior styling with French cuffs
- $\cdot$   $\,$  Concealed stud front for easy access
- Sleeve pocket
- Apron tab ensures secure placement of your apron

Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 190g MeshAir Pro: 100% Polyester Mesh, 140g White S-3XL

Black S-3XL, Slate Grey S-3XL







## MeshAir PRO JACKET S/S

- · Durable polyester/cotton fabric with Texpel stain resistant finish MeshAir<sup>™</sup> aerated mesh fabric on underarm gusset to increase air flow
- Slim fit design for exceptional comfort
- · Concealed stud front for easy access
- Sleeve pocket
- · Apron tab ensures secure placement of your apron

Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton,

190g 🗰 MeshAir Pro: 100% Polyester Mesh, 140g White S-3XL Black S-3XL, Slate Grey S-3XL



## MeshAir PRO TROUSER

- · Durable polyester/cotton fabric with Texpel stain resistant finish MeshAir<sup>™</sup> aerated mesh fabric on back of knee and crotch gusset to increase air flow
- Fully elasticated waistband for ultimate wearer comfort Side pockets
- · Adjustable hem to accommodate all leg lengths
- · Articulated darts for additional shaping

Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 190g

MeshAir Pro: 100% Polyester Mesh, 140g Black S-3XL, Slate Grey S-3XL





# POLYCOTTON JACKET



 $\begin{bmatrix} 1 \end{bmatrix}$ 

## **SOMERSET CHEFS JACKET L/S**

- · Hard wearing durable twill fabric with excellent dye retention
- · Five rows of poppers which can be . interchanged
- · Reversible front
- · Detachable buttons which can be removed or replaced
- · Sleeve pocket
- · Cuff vents
- Kingsmill: 65% Polyester, 35% Cotton, 190g White XXS-4XL Black XS-3XL

## **STAIN REPELLENT AND ANTI FADING FABRIC**





538

# POLYCOTTON JACKET



1

## **KENT CHEFS JACKET S/S**

- · Hard wearing durable twill fabric with excellent dye retention
- · Five rows of poppers which can be interchanged
- · Reversible front closing
- · Detachable buttons which can be removed or replaced
- · Sleeve pocket
- · Mandarin collar
- Kingsmill: 65% Polyester, 35%

|                  | Cotton, 190g |
|------------------|--------------|
| minuimi <b>x</b> | White XS-3XL |
| WIWWI Y          | Black XS-4XL |



**RACHEL WOMEN'S CHEFS** 

· Hard wearing durable twill fabric with

C737

JACKET S/S

interchanged · Sleeve pocket

190g

Black XS-XXL

excellent dye retention · MeshAir<sup>™</sup> aerated mesh fabric on underarm gusset to increase air flow · Non shrinking to ensure that this style maintains its shape wash after wash · Four rows of poppers which can be

· Side vents for added comfort





# **CHEFS JACKET**



## **CUMBRIA CHEFS JACKET S/S**



## · Hard wearing durable twill fabric with excellent dye retention

- · Non shrinking to ensure that this style maintains its shape wash after wash
- · Ring stud front for easy opening
- · Sleeve pocket
- · Mandarin collar
- · Stylish unisex design for multi functional use

#### Kingsmill: 65% Polyester, 35% Cotton, 190g White XS-4XL

Black XS-4XL, Slate Grey XS-4XL



#### C833 24

1

## SUFFOLK CHEFS JACKET L/S

- · Hard wearing durable twill fabric with excellent dye retention · Non shrinking to ensure that this style maintains its shape wash after wash
- · Ring stud front for easy opening
- · Sleeve pocket
- · Mandarin collar
- · Stylish unisex design for multi functional use

Kingsmill: 65% Polyester, 35% Cotton, 190g White XS-3XL Black XS-3XL, Slate Grey XS-3XL







#### C836 24

- SUSSEX CHEFS JACKET L/S
- · Made from 100% cotton fabric for added comfort and breathability
- · Button front closure
- · Durable rubber buttons for a premium finish
- · Mandarin collar
- · Stylish unisex design for multi functional use

100% Cotton Satin Weave, 280g

## PRACTICAL, STYLISH AND HARDWEARING CHEFSWEAR







# **COTTON TROUSER**





## 100% COTTON FOR COMFORT AND BREATHABILITY



#### C079 BROMLEY CHEFS TROUSER

24

1

- Made from 100% cotton fabric for added comfort and breathability
- Concealed fly zip opening
   Fully elasticated waistband for ultimate
- Fully elasticated waistband for ultimate wearer comfort
   Back pocket
- Drawcord adjustable waist for a comfortable fit
- Stylish unisex design for multi functional use
- Kingsmill Cotton: 100% Cotton, 190g Blue Check XXS-4XL, Blue Check Tall S-3XL, Black Check XS-4XL

CO78

3

- Made from 100% cotton fabric for added
- comfort and breathability
- Concealed zip opening for added security
   Fully elasticated waistband for ultimate wearer comfort
- · Phone and pen holder pocket
- Back pocket
- Drawcord adjustable waist for a comfortable fit

Kingsmill Cotton: 100% Cotton, 190g



## BARNET CHEFS TROUSER

- Made from 100% cotton fabric for added comfort and breathability
- $\cdot\,$  Hook and bar closure
- Half elasticated waist for a secure and comfortable fit
- · Jetted back pocket
- Side pockets
  - Stylish unisex design for multi functional use

Kingsmill Cotton: 100% Cotton, 190g







# POLYCOTTON TROUSER

## SUPERIOR QUALITY CHEFSWEAR









## S068 HARROW CHEFS TROUSER

24

3

- Premium stain resistant finish repels oil, water and grime
- Hard wearing durable twill fabric with excellent dye retention
- Hook and bar closure
- $\cdot$  Elasticated back waist for a secure fit
- Back pocket
- Stylish unisex design for multi functional use

Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 190g





3

XXS

## DRAWSTRING TROUSER

- Premium stain resistant finish repels oil, water and grime
- Hard wearing durable twill fabric with
   excellent dye retention
- Drawcord adjustable waist for a comfortable fit
- Fully elasticated waistband for ultimate wearer comfort
- · Back pocket
- Stylish unisex design for multi functional use
- Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 190g
- Black XXS-4XL, Black Tall XXS-3XL, Slate Grey XS-4XL, Black Short XS-XXL



## RACHEL WOMEN'S CHEFS TROUSER

- Hard wearing durable twill fabric with excellent dye retention
- · Button front closure
- · Concealed fly zip opening
- Half elasticated waist for a secure and comfortable fit
- Back patch pocket
   Side pockets

Side pocket

Kingsmill: 65% Polyester, 35% Cotton, 190g







# **CATERING INDUSTRY ACCESSORIES**



Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 245g Black One Size, White One Size 70.5cm x 76cm

White One Size

Black One Size, 94cm x 68cm

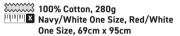
# **CATERING INDUSTRY ACCESSORIES**



#### **72** 12

## BUTCHERS APRON

- Made from 100% cotton fabric for added comfort and breathability
- Adjustable straps for a secure fit
- $\cdot\;$  Anti-tangle ties for secure fastening





- Made from 100% cotton fabric for added comfort and breathability
- Adjustable neck for a secure fit
   Anti-tangle ties for secure fastening

100% Cotton, 280g Navy One Size, Red One Size 72cm x 95cm



## WATERPROOF BIB APRON

S849

- Extremely water resistant fabric finish, water beads away from fabric surface
- · Adjustable neck for a secure fit
- · Anti-tangle ties for secure fastening

100% Nylon, Waterproof, 260g Navy One Size, Red One Size 72cm x 95cm



## CHEFS BANDANA

- Hard wearing durable twill fabric with excellent dye retention
- Non shrinking to ensure that this style maintains its shape wash after wash
- Two ties at the back for a secure fit

Kingsmill: 65% Polyester, 35% Cotton, 190g Black One Size, White One Size



## S899 CHEFS SKULL CAP

- Premium stain resistant finish repels oil, water and grime
- Hard wearing durable twill fabric with excellent dye retention
- $\cdot \,$  Adjustable straps for a secure fit

Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 190g White One Size Black One Size

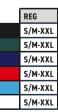


## SNOOD CAP

- Made from 100% cotton fabric for added comfort and breathability
- Cooling mesh fabric for increased breathability
- Elastic back to keep hair secure

MeshAir: 100% Polyester Mesh, 65g





## DESIGNED WITH FUNCTIONALITY AND DURABILITY IN MIND

TABARD WITH POCKET

Hard wearing durable twill fabric with excellent dye retention

S843

- Adjustable side opening for added flexibility
   Available in an excellent choice of corporate colours
- Kingsmill: 65% Polyester, 35% Cotton, 190g Black, Bottle Green, Navy, Red, Royal Blue, White Length: S/M 79cm, L/XL & XXL 86cm

# **FOOD INDUSTRY RANGE**



The Food Industry range of garments has been developed to meet the rigorous demands of food preparation and catering environments. The garments have a streamlined design and are low maintenance for easy care. Hardwearing and functional, this range is the perfect choice for the demanding professional.

#### FABRIC INFORMATION

Kingsmill™ Polycotton fabric is designed to withstand the rigors of today>s modern workplace. Available in two weights; 245g, 190g, this fabric is constructed from 65% polyester, 35% cotton, offering greater durability, superior qualities and excellent wearer comfort.

## HARDWEARING EASYCARE STYLES

## 2209 BAKERS SHIRT S/S

24

- $\cdot \;$  Hard wearing durable twill fabric with excellent dye retention
- $\cdot \;$  Non shrinking to ensure that this style maintains its shape wash after wash
- Internal chest pocket

Kingsmill: 65% Polyester, 35% Cotton, 190g White XS-3XL Royal Blue XS-3XL







#### 2201 F00D COVERALL

- Hard wearing durable twill fabric with excellent dye retention
- · Concealed stud front for easy access
- Internal chest pocket
- Pen division
- · Side pockets
- · Action back for extra freedom of movement

Kingsmill: 65% Polyester, 35% Cotton, 245g

#### 2208 BAKERS TROUSER

- Hard wearing durable twill fabric with excellent dye retention
- Non shrinking to ensure that this style maintains its shape wash after wash
- Fully elasticated waistband for ultimate wearer comfort
   Side pocket
- 1 pocket for secure storage

Kingsmill: 65% Polyester, 35% Cotton, 190g White XXS-4XL Royal Blue XS-3XL



# **FOOD INDUSTRY RANGE**





1

## MEN'S FOOD COAT, ONE POCKET

- Hard wearing durable twill fabric with excellent dye retention
   Non shrinking to ensure that this style maintains its shape wash after wash
- · Concealed stud front for easy access
- · Internal chest pocket
- · 1 pocket for secure storage

Kingsmill: 65% Polyester, 35% Cotton, 245g

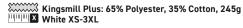






#### **MEN'S FOOD COAT, THREE POCKETS**

- Hard wearing durable twill fabric with excellent dye retention
   Non shrinking to ensure that this style maintains its shape wash after wash
- · Concealed stud front for easy access
- · Internal chest pocket
- · Side pockets
- · 3 pockets for ample storage





- FOOD INDUSTRY APRON
- Premium water resistant fabric
- · Durable polyester PVC coated fabric
- · Anti-tangle ties for secure fastening

70% PVC, 30% Polyester, 880g White One Size 67cm x 97cm

24 24 2205 WOME

#### WOMEN'S FOOD COAT, ONE POCKET

Hard wearing durable twill fabric with excellent dye retention
 Non shrinking to ensure that this style maintains its shape wash after wash

MADE FOR WOMEN

- · Concealed stud front for easy access
- · Internal chest pocket
- · Darts for additional shaping
- $\cdot$  1 pocket for secure storage

Kingsmill: 65% Polyester, 35% Cotton, 190g





# HEALTH AND HYGIENE WORKWEAR

QUALITY GARMENTS IDEAL FOR THE HEALTHCARE INDUSTRY

LW21 552

 $(\mathbf{r})$ 

Portwest's health and hygiene workwear offer a wide choice of garments exclusively designed for use across the healthcare industry. Constructed using innovative high quality fabrics and advanced construction techniques, these contemporary styles offer comfortable and durable protection that will withstand the test of time.



Kingsmill<sup>™</sup> Polycotton innovative stretch fabric is constructed from 65% polyester, 33% cotton and 2% elastane. This premium workwear fabric offers excellent abrasion and tear-resistant properties whilst the stretch function ensures full ease of movement for the wearer. A UPF rating of 40+ on this fabric blocks 98% of the UV rays.



Kingsmill<sup>™</sup> is 65% Polyester 35% Cotton and is available in four weights; 300g, 245g, 210g and 190g. This fabric guarantees high performance and maximum comfort. The yarns are all ring spun with long staple combed cotton providing a smooth handle and excellent pilling resistance. The material is fully pre-shrunk and has superior dye retention. A UPF rating of 50+ will block 98% of UV rays.



Kingsmill<sup>™</sup> Cotton Stretch is a premium cotton stretch fabric. This twill weave blend of 98% cotton and 2% elastane provides the ultimate in comfort and flexibility. The high cotton content gives an ultra soft handle, and the added elastane delivers ease of movement. This fabric has a UPF rating of 40+ to block 98% of UV rays.



Texpel<sup>™</sup> Splash is an extremely water resistant fabric finish which ensures water beads up and rolls off the fabric surface. This premium finish also repels dirt and helps prevent stains to keep your garment looking cleaner for longer.

## INNOVATIVE FABRICS DESIGNED FOR OUTSTANDING PERFORMANCE



# **HEALTH AND HYGIENE WORKWEAR**



ESPECIALLY DESIGNED FOR BUSY HEALTHCARE PROFESSIONALS **(** 





## **MEDICAL TUNIC**

- · 2-way twill stretch fabric for ease of movement and added comfort Concealed stud front for easy access
- · 4 pockets for ample storage
- · Concealed scissors pocket
- · D-ring for keys or ID cards
- · Action back for extra freedom of movement

Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 145g White S-3XL, White/Aqua S-3XL



# **MEDICAL TUNIC**



24

#### LW22 MEDICAL MATERNITY TUNIC

MATERNITY

145g

145g

U

FIT

 2-way twill stretch fabric for ease of movement and added comfort

- Concealed stud front for easy access
- · 4 pockets for ample storage
- · Concealed scissors pocket
- · D-ring for keys or ID cards
- · Action back for extra freedom of movement

Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 145g White/Aqua S-3XL, White S-3XL

## STRETCH MATERNITY FIT



24

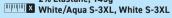
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## C821 MEN'S MEDICAL TUNIC

- · 2-way twill stretch fabric for ease of movement and added comfort
- · Concealed stud front for easy access
- · 4 pockets for ample storage
- · Concealed scissors pocket
- · Action back for extra freedom of movement
- · D-ring for keys or ID cards

Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 145g







ONE

ONE

# **WOMEN'S TUNIC**



24

#### LW17 STRETCH CLASSIC TUNIC

 2-way twill stretch fabric for ease of movement and added comfort

Action back for extra freedom of movement

- · 3 pockets for ample storage
- · Concealed scissors pocket
- · Front zip opening for easy access
- Waterproof pocket for secure storage

Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 145g Hamilton Blue XS-3XL, Navy XS-3XL, White XS-3XL

## TWO WAY STRETCH FABRIC







- 2-way twill stretch fabric for ease of movement and added comfort
- Action back for extra freedom of movement
- · 3 pockets for ample storage
- · Concealed scissors pocket
- · Front zip opening for easy access
- Waterproof pocket for secure storage

Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 145g





MADE FOR WOMEN

**45**a



NEW

24

3

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# **MATERNITY TUNIC**

MATERNITY

FIT

145g



24

3

## LW18 STRETCH MATERNITY TUNIC

- · 2-way twill stretch fabric for ease of movement and added comfort
- Action back for extra freedom of movement
- · 3 pockets for ample storage
- · Concealed scissors pocket
- · Front zip opening for easy access
- · Waterproof pocket for secure storage

Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 145g Hamilton Blue XS-3XL, Navy XS-3XL, White XS-3XL

## LIGHTWEIGHT STRETCH FABRIC FOR EASE OF MOVEMENT AND A PERFECT FIT



ONEW



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# POLYCOTTON **TUNIC**



WOMEN

POLY-COTTON

190g

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# SOFTSHELL



2

#### TK20 MEN'S PRINT & PROMO SOFTSHELL (2L)

 Made of durable breathable, windproof and water resistant fabric

Extremely water resistant fabric finish,
 water beads away from fabric surface.

water beads away from fabric surface
Micro polar fleece lined and bonded with shell

- · Zipped pockets
- · Ideal for corporate wear and custom
- finishes

· 2 layer

96% Polyester, 4% Elastane bonded to 100% Polyester Fleece, 280g Black S-3XL, Navy S-3XL, Aqua S-3XL, White S-3XL



## EXCELLENT CHOICE FOR CORPORATE WEAR



96% Polyester, 4% Elastane bonded to 100% Polyester Fleece, 280g Black XS-XXL, Navy XS-XXL, Aqua XS-XXL, White XS-XXL







# **FLEECE AND POLO SHIRT**



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## WOMEN'S STRETCH WORK TROUSER

255a

SLIM

FIT



255a

**SLIM** 

FIT





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#### S235 WOMEN'S SLIM CHINO TROUSER

- Portwest Stretch contains a cotton rich and elastane mix with superior comfort and
- freedom of movement · Slim fit design for exceptional comfort
- 3 pockets for ample storage
- · Bartacked at all stress points
- · Reflective trim on inner hem for increased visibility
- · Soft handle twill

#### Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Black, Dark Navy, White

| 111/   | INCU    |          | <b>F</b> 11 | 50      |
|--------|---------|----------|-------------|---------|
| UK     | INCH    | СМ       | EU          | FR      |
| 8 - 22 | 26 - 40 | 68 - 100 | 38 - 52     | 40 - 54 |
|        |         |          |             |         |





9

# WOMEN'S STRETCH CARGO

- Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement
- Slim fit design for exceptional comfort
   3 pockets for ample storage
- Bartacked at all stress points
- Reflective trim on inner hem for increased visibility
- · Soft handle twill

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g

| UK     | INCH    | СМ       | EU      | FR      |
|--------|---------|----------|---------|---------|
| 8 - 22 | 26 - 40 | 68 - 100 | 38 - 52 | 40 - 54 |



#### 36 **S234 STRET 40 TROUS**

3

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## STRETCH MATERNITY TROUSER

 Portwest Stretch contains a cotton rich and elastane mix with superior comfort and freedom of movement

ONEV

· High cotton content for superior comfort

- · 2 pockets for secure storage
- · Adjustable waist for a perfect fit
- 40+ UPF rated fabric to block 98% of UV rays

Kingsmill Cotton Stretch: 98% Cotton, 2% Elastane, 255g Black S-3XL, Dark Navy S-3XL



560



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# **LAB COAT**



#### 2852 24 3

- LAB COAT
- · Hard wearing durable twill fabric with excellent dye retention
- · Concealed stud front for easy access
- · 3 pockets for ample storage
- · Two lower patch pockets

Kingsmill: 65% Polyester, 35% Cotton, 245g Navy XS-3XL, Black S-XXL, Royal Blue XS-3XL White XXS-5XL





3

**STANDARD COAT** 

- · Hard wearing durable twill fabric with excellent dye retention · Concealed stud front for easy access
- · 3 pockets for ample storage
- · Two lower patch pockets
- · Available in sizes from XS to 4XL

Kingsmill: 65% Polyester, 35% Cotton, 245g White XS-4XL





## C851 **STANDARD COTTON COAT**

· Made from 100% cotton fabric for added comfort and breathability

- · Premium non shrinking cotton workwear fabric
- · 3 pockets for ample storage
  - Concealed stud front for easy access
  - · Two lower patch pockets
  - · Available in sizes from XS to 3XL

100% Cotton, 305g



562





## LW63 WOMEN'S STANDARD COAT

· Durable polycotton fabric for high performance and maximum wearer comfort · Concealed stud front for easy access

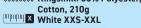
- · 3 pockets for ample storage
- · Two lower patch pockets

KINGSMILL

POLY-COTTON

· Women's fit

Kingsmill: 65% Polyester, 35%



#### LW56 24

3

## **PRINCESS LINE COAT**

Durable polycotton fabric for high performance and maximum wearer comfort

- Stud front opening for easy access 2 pockets for secure storage
- · Two lower patch pockets
- · Darts for additional shaping · Available from size XS

Kingsmill: 65% Polyester, 35% Cotton, 210g White XS-XXL





## C865 24

3

XXS

## **HOWIE COAT - TEXPEL FINISH**

- · Durable polyester/cotton fabric with Texpel stain resistant finish
- · Ribbed cuffs for added comfort
- · 3 pockets for ample storage
- · Ring stud front for easy opening
- · Two lower patch pockets
- · Available in sizes from XXS to 4XL

Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 245g



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# **ESD PROTECTIVE WEAR**

A build up of electrostatic discharge (ESD) can damage sensitive electronic components or give fire risks when handling solvents and other flammable materials. These styles are ideal for use in electrostatic protected areas. Conductive fibres in garments work by preventing the static charge build up by allowing it to dissipate through the conductive fibres and go to earth.





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# ESD T-SHIRT AND SWEATSHIRT



Fabrics used in the ESD range are strong and durable. Carbon fibre woven through the fabric provides superb anti static protection. 36

## 4 EN 1149

#### EN 1149: 2018

This European standard is part of a series of standards for test methods and requirements for electrostatic properties of protective clothing. The standard specifies material and design requirements for garments used as part of a total earthed system, to avoid incendiary discharges. The requirements may not be sufficient in oxygen enriched flammable atmospheres. This standard is not applicable for protection against mains voltages.



EN 61340-5-1: 2016 Protection Of Electronic Devices From Electrostatic Phenomena



ANTI-STATIC PROTECTION EXCEEDING EN 1149



NEW

# **ESD POLO SHIRT AND T-SHIRT**





EN 61340-5-1

· Suitable for use in ESD environments · CE certified

- · Designed with a comfort fit
- · Lightweight and comfortable
- · Concealed stud front for easy access
- · Ribbed collar

96% Cotton, 4% Carbon Fibre, 195g 3XL, Navy S-XXL



## **SUPERB ANTI-STATIC PROTECTION EXCEEDING EN 1149**



## LIGHTWEIGHT COMFORT AND PROTECTION





# ESD COAT AND TROUSER



AS10 ANTI-STATIC ESD COAT EN 1149 EN 61340-5-1

Suitable for use in ESD environments
Concealed stud front for easy access
3 pockets for ample storage
Hook and loop cuffs for a secure fit
Phone pocket
CE certified

65% Polyester, 34% Cotton, 1% Conductive Fibre, 210g Hamilton Blue XS-3XL, Navy XS-3XL, White XS-3XL

## PERFECT FOR USE IN ELECTROSTATIC PROTECTED AREAS







210g

0100

Conductive Fibre, 210g Hamilton Blue XS-XXL, Navy XS-XXL

## EXCEPTIONAL SAFETY AND COMFORT





# HAZARD PROTECTION

BizTex<sup>™</sup> hazard protective clothing is an industry leading range of hazard protection garments certified and exceeding the highest international standards. The extensive BizTex range offers powerful protection against many workplace hazards. The BizTex range is cost effective whilst offering the wearer innovative high protection.



Portwest's SMS is an integrated three layer polypropylene construction with anti-static properties. Formed by layering meltblown spunbond, and spunbond the fabric is strong and durable as well as being soft and breathable.

The high tensile strength offered by this trilaminate fabric protects the wearer from fluid and particulate penetration without compromising on mobility or comfort. Portwest have several garments manufactured with SMS in the BizTex range.

Portwest's BizTex Micro fabric is a polypropylene substrate with anti-static properties to which a polyethylene film is applied (PP/ PE). The outer layer prevents the passage of liquid molecules inwards yet allows the vapour molecules that build up on the inside of the fabric to permeate. This technology keeps the wearer fresh and comfortable.

BIZTE

MICRO

BizTex Micro has the added benefit of having an anti-static coating that provides protection against electrostatic buildup.

Biztex Plus is also available in an 82g option, offering added strength, abrasion and tear resistance.



For workers at risk from chemical splash who also may come into contact with flame or flash fire, the flame retardant BizTex SMS fabric is an obvious choice. The SMS fabric is an integrated three layer polypropylene construction. Formed by layering spunbond, meltblown and spunbond the fabric is strong and durable as well as being soft and breathable. This fabric is then treated with an FR coating which conforms to the flame resistant standard EN14116.



BizTex Pro fabric is made from soft 100% Polvester tricot warp knit, laminated with a low air permeability film (PE). The outer layer prevents the passage of liquid molecules inwards, yet allows the vapour molecules that build up on the inside of the fabric to permeate.

BizTex pro is reusable and washable up to 5 times.



## **PROVIDING EN STANDARD PROTECTION**

#### EN 14605: 2005 +A1:2009

Protective Clothing Against Liquid Chemicals. This standard specifies performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only. (Types PB [3] and PB [4])



#### Liquid Tight Suits. (Type 3)

This test involves exposing a whole suit to a series of short jets of a water based liquid, aimed at various critical parts of the suit. This suit protects against strong jets of liquid chemical.



#### Spray Tight Suits. (Type 4)

Test involves exposing a whole suit to an intense spray of a water based liquid. This suit protects against saturation of liquid chemicals.



EN 14605

#### EN ISO 13982 - 1 :2004 + A1 :2009 (Type 5)

Dry particle suit. This specifies the minimum requirements for chemical protective clothing resistant to penetration by air borne solid particles. Protects against hazardous dust and dry particles.

EN 13982-1



#### EN 13034: 2005 +A1: 2009 (Type 6)

Reduce spray suit (Type 6) and partial body protection items (PB6). This specifies the minimum requirements for chemical protective clothing offering limited protective performance against liquid chemicals. This EN 13034 standard tests for liquid chemical(Type 6 and Type PB [6] equipment) sprays and splashes that are not directional or built up on a suit but there may be a fine mist of droplets in the atmosphere.



#### EN 1149 -5: 2018

Electrostatic requirements - surface resistivity (test method and requirements). This tests for the removal of electrostatic to avoid sparks that could cause fire/hazard to the wearer.



#### EN 14126: 2003

This specifies the requirements and test methods for limited use protective clothing providing protection against infective agents.

EN 14126



#### EN 1073-2: 2002

Protective clothing against radioactive contamination. Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.

PARTICLE

#### EN ISO 14116: 2015



This standard specifies the performance requirements for the limited flame spread properties of materials, material assemblies and protective clothing in order to reduce the possibility of the clothing burning and thereby itself constituting a hazard. Additional requirements for clothing are also specified.



Indicates compliance with current European standards for chemical protective clothing.

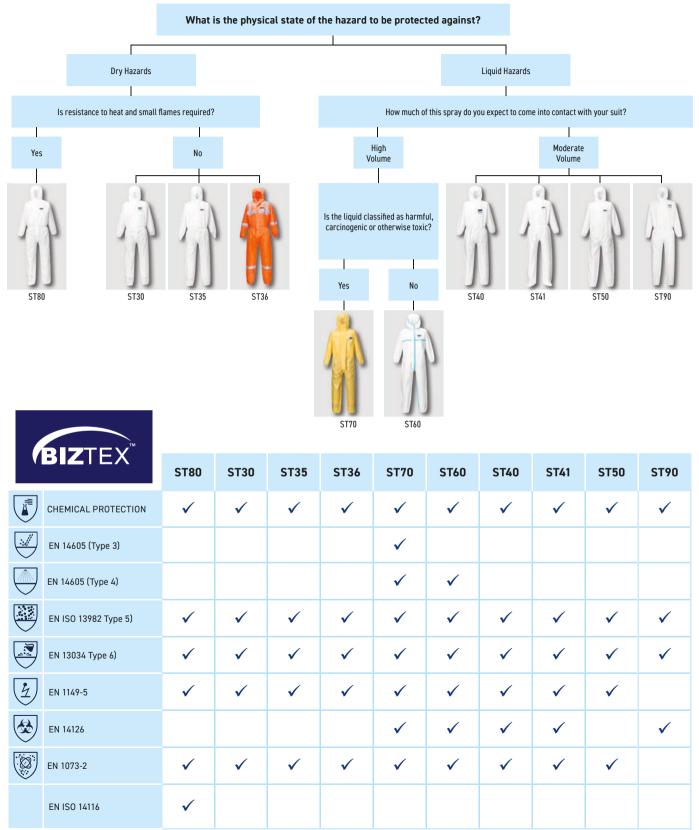
## CHEMICAL PROTECTION

#### ANSI/ISEA 101 2014

ANSI/ISEA 101

American National Standard for Limited-Use and Disposable Coveralls - Size and Labeling Requirements.

# BIZTEX PRODUCT SELECTOR



# **BIZTEX PERFORMANCE** CHART

# PERFORMANCE CHART FOR GARMENTS CONSTRUCTED FROM BIZTEX MICROPOROUS FABRIC AND BIZTEX SMS FABRIC

| PHYSICAL FABRIC TEST: Th<br>fabric and BizTex Microporou |                   | arments is designated BizTex SMS | BizTex SMS FABRIC<br>CLASS | BizTex MICROPOROUS<br>FABRIC CLASS | BizTex SMS FR FABRIC<br>CLASS |  |  |  |
|----------------------------------------------------------|-------------------|----------------------------------|----------------------------|------------------------------------|-------------------------------|--|--|--|
| Abrasion Resistance                                      | EN530             | Class 1 (min) - 6 (max)          | 2                          | 2                                  | 3                             |  |  |  |
| Flex Cracking Resistance                                 | EN 7854 B         | Class 1 (min) - 6 (max)          | 6                          | 5                                  | 6                             |  |  |  |
| Transpoidel Tean Desistant                               | EN ISO 9073-4 MD  | Class 1 (min) - 5 (max)          | 1                          | 3                                  | 1                             |  |  |  |
| Trapezoidal Tear Resistant                               | EN ISO 9073-4 XD  | Class 1 (min) - 5 (max)          | 2                          | 2                                  | 3                             |  |  |  |
| Tanaila Charaoch                                         | EN ISO 13934-1 MD | Class 1 (min) - 5 (max)          | 2                          | 1                                  | 2                             |  |  |  |
| Tensile Strength                                         | EN ISO 13934-1 XD | Class 1 (min) - 5 (max)          | 2                          | 3                                  | 2                             |  |  |  |
| Resistance To Ignition                                   | EN13274-4         |                                  | Pass                       | Pass                               | Pass                          |  |  |  |
| Puncture Resistance                                      | EN 863            | Class 1 (min) - 3 (max)          | 2                          | 1                                  | 1                             |  |  |  |
| Stream Strength                                          | EN ISO 13935-2    | Class 1 (min) - 5 (max)          | 3                          | 4                                  | 3                             |  |  |  |
| Fire Retardancy                                          | EN 14116          |                                  |                            |                                    | Index 1                       |  |  |  |

| CHEMICAL FABRIC TESTS                          | BizTex SM         | S FABRIC         | BizTex MICROP     | OROUS FABRIC     | BizTex SMS FR FABRIC |                  |  |  |
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|                                                | Penetration Class | Repellency Class | Penetration Class | Repellency Class | Penetration Class    | Repellency Class |  |  |
| Sulphuric Acid 30% - Class 1 (min) - 3 (max)   | 3                 | 3                | 3                 | 3                | 3                    | 3                |  |  |
| Sodium Hydroxide 10% - Class 1 (min) - 3 (max) | 3                 | 3                | 3                 | 3                | 3                    | 3                |  |  |
| 0-xylene: Class 1(min) - 3(max)                | 3                 | 2                | 0                 | 3                | 3                    | 2                |  |  |
| Butan-1-ol: Class 1(min) - 3(max)              | 3                 | 2                | 0                 | 0                | 3                    | 2                |  |  |

## **INDUSTRIES AND HAZARDS LIST**

|                                                                                 | Abattoirs                                                         | Aerospace                                       | Agriculture & Farming                                                                     | Agrochemical Handling | Asbestos Handling          | Automotive                                                                                                    | Bioengineering | Biological Hazards                                                                                                                                           | Utilities                                                                                                                                                    | Chemical Handling                                                                                                                                                                                              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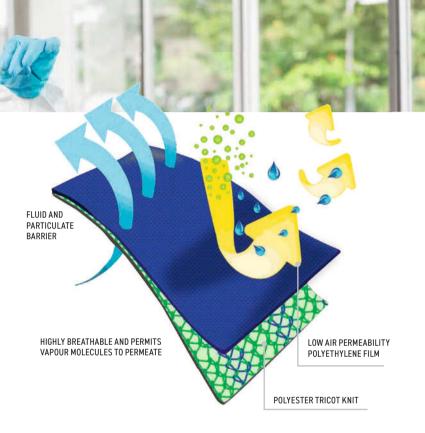


## WASHABLE PROTECTION AGAINST DRY PARTICLES, REDUCED SPRAY AND INFECTIVE AGENTS UP TO 5 WASHES

BizTex Pro fabric is made from a soft 100% Polyester tricot warp knit, laminated with a low air permeability film (PE). The outer layer prevents the passage of liquid molecules inwards, yet allows the vapour molecules that build up on the inside of the fabric to permeate.

Certified to EN 14126 Protection against infective agents. For classification table, see page 571 (BizTex Micro intro).

| CHEMICAL FABRIC TESTS |                   |                  |  |  |  |  |  |  |  |
|-----------------------|-------------------|------------------|--|--|--|--|--|--|--|
|                       | Penetration Class | Repellency Class |  |  |  |  |  |  |  |
| Sulphuric Acid 30%    | 3                 | 3                |  |  |  |  |  |  |  |
| Sodium Hydroxide 10%  | 3                 | 3                |  |  |  |  |  |  |  |
| 0-Xylene              | 2                 | 2                |  |  |  |  |  |  |  |
| Butan-1-ol            | 3                 | 3                |  |  |  |  |  |  |  |



| PHYSIC                     | CAL FABRIC TEST | r                          |         |  |  |
|----------------------------|-----------------|----------------------------|---------|--|--|
| Abrasion Resistance        | EN 530          | Class 1 (min) -<br>6 (max) | CLASS 3 |  |  |
| Flex Cracking Resistance   | EN 7854         | Class 1 (min) -<br>6 (max) | CLASS 6 |  |  |
| Trapezoidal Tear Resistant | EN ISO 9073-4   | Class 1 (min) -<br>5 (max) | CLASS 1 |  |  |
| Tensile Strength           | EN ISO 13934-1  | Class 1 (min) -<br>5 (max) | CLASS 3 |  |  |
| Puncture Resistance        | EN 863          | Class 1 (min) -<br>3 (max) | CLASS 2 |  |  |



# LIGHTWEIGHT PRO COVERALL



## ST90 BIZTEX PRO COVERALL TYPE 5/6 EN ISO 13982 TYPE 5B EN 13034 TYPE 6B EN 14126

- $\cdot\,$  Reusable and machine washable up to 5 times
- · Ultra-comfort and breathability
- Excellent liquid and particulate barrier
   protection
- Lightweight and comfortable
- Elasticated hood, ankles, cuffs and waist
- · Sealable zip storm flap for extra protection

BizTex Pro, 75g

## HIGHLY BREATHABLE AND PERMITS VAPOUR MOLECULES TO PERMEATE

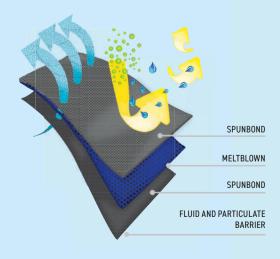




# LIGHTWEIGHT SMS COVERALL



# PROTECTION AGAINST HAZARDOUS DRY PARTICLES









# LIGHTWEIGHT SMS **COVERALL**







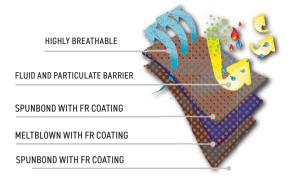
- Anti-static
- Reflective tape for increased visibility
- Designed with a comfort fit
- Elasticated cuffs for a secure fit
- Ergonomically shaped hood for a perfect fit







# **FLAME RESISTANT SMS COVERALL**

















# LIGHTWEIGHT MICROCOOL COVERALL











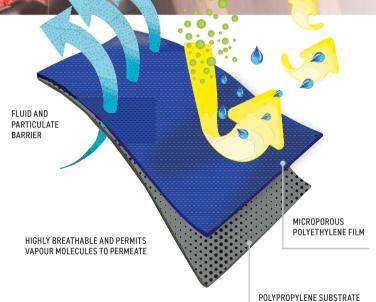






# **ANTI-STATIC BREATHABLE PROTECTION AGAINST** LIQUID HAZARDS

Portwest BizTex Micro fabric is a polypropylene substrate to which a laminated microporous polyethylene layer is applied (PP/PE). The outer layer of the fabric prevents the passage of liquid molecules inwards, yet permits the vapour molecules that build up inside to permeate.



# **CERTIFICATION & TESTING**

EN 14126 is the standard that guarantees protection against biological hazards and infective agents such as Severe Acute Respiratory Syndrome (SARS), Ebola Virus and Avian Influenza. The BizTex ST60 performs at the top level in four of the five tests used to certify garments to EN 14126 as shown on the table above.

| EN 14126 Classification Table                          | Test      | Minimum<br>Performance | BizTex Micro<br>Results |
|--------------------------------------------------------|-----------|------------------------|-------------------------|
| Blood-Borne Pathogen                                   | ISO 16604 | 20 kPa                 | CLASS 6                 |
| Synthetic Blood Penetration<br>Resistance              | ISO 16603 | -                      | -                       |
| Contaminated Liquid Aerosols<br>Penetration Resistance | Blood     | Log > 5                | CLASS 3                 |
| Contaminated Solid Particles<br>Penetration Resistance | ISO 22612 | Log ufc < 1            | CLASS 3                 |
| Wet Bacteria Penetration<br>Resistance                 | ISO 22610 | t > 75                 | CLASS 6                 |

Î



# LIGHTWEIGHT MICROPOROUS COVERALL

| <b>ST60</b><br><b>BIZTEX MICROPOROUS</b><br><b>COVERALL TYPE 4/5/6</b><br>EN 14605 TYPE 4B<br>EN ISO 13982 TYPE 5B<br>EN 13034 TYPE 6B<br>EN 1073-2<br>EN 1149 -5<br>EN 14126                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul> <li>Leading design made from microporous material</li> <li>Low linting construction for minimal contamination</li> <li>Anti-static</li> <li>Ergonomically designed for unrestricted movement, comfort and breathability</li> <li>Taped seams to provide additional protection</li> <li>Elasticated hood, ankles, cuffs and waist</li> <li>BizTex Micro, 60g</li> <li>White M-3XL</li> </ul> |

THE ST60 FROM PORTWEST BIZTEX RANGE IS THE IDEAL CHOICE FOR WORKERS AT RISK OF BIOLOGICAL INFECTIVE HAZARDS







# ENHANCED STRENGTH MICROPOROUS COVERALL

| 50<br>25<br>BIZTEX MICROPOROUS<br>COVERALL TYPE 3/4/5/6<br>EN 14405 TYPE 3B                                        |
|--------------------------------------------------------------------------------------------------------------------|
| C C EN 14605 TYPE 4B<br>EN ISO 13982 TYPE 5B<br>EN 13034 TYPE 6B<br>EN 1073-2<br>EN 1149 -5<br>EN 14126            |
| <ul> <li>Excellent liquid and particulate barrier protection</li> <li>Taped seams to provide additional</li> </ul> |
| protection<br>Double storm flap to protect against the<br>elements<br>Thumb loop                                   |
| <ul> <li>Elasticated cuffs for a secure fit</li> <li>Ergonomically shaped hood for a perfect fit</li> </ul>        |
| BizTex Micro Plus, 82g<br>Polypropylene 50g / Polyethylene<br>32g<br>Yellow M-XXL                                  |
|                                                                                                                    |
|                                                                                                                    |
| FLUID AND<br>PARTICULATE<br>BARRIER                                                                                |
|                                                                                                                    |
| POLYPROPYLENE SUBRATE                                                                                              |
| v                                                                                                                  |







# MICROPOROUS **COVERALL**

## **IDEAL** PROTECTION AGAINST **CHEMICAL** HAZARDS



#### ST40 **BIZTEX MICROPOROUS COVERALL TYPE 5/6** EN ISO 13982 TYPE 5B EN 13034 TYPE 6B EN 1073-2 EN 1149 -5 EN 14126 ANSI/ISEA 101 · Leading design made from microporous material · Excellent liquid and particulate barrier protection

- Low linting construction for minimal contamination · Anti-static
- · Two-way front zip and sealable front flap
- · Elasticated hood, ankles, cuffs and waist



# **BIZTEX MICROPOROUS COVERALL WITH**

#### **BOOT COVERS TYPE 5/6** EN ISO 13982 TYPE 5B EN 13034 TYPE 6B

EN 1073-2

ST41



Exceptionally strong and low linting

· Anti-static

BIZTEX

- Disposable boot covers for superior protection against cross contamination
- Elasticated cuffs for a secure fit
- · Sealable zip storm flap for extra protection
- · Ergonomically shaped hood for a perfect fit

# BizTex Micro, 60g



2 J <u>4</u> Ø CAT Ĩ CHEMICAL EN 13982-1 EN 13034 EN 1149 EN 1073-2 EN 14126







BIZTEX SMS COAT TYPE PB [6] EN 13034 TYPE PB [6] EN 1149 -5

Protects from fluid and splashes
 Ultra-comfort and breathability

Concealed stud front for easy access

BizTex SMS, 55g





BIZTEX MICROPOROUS APRON TYPE PB[6] EN 13034 TYPE PB [6] EN 1149 -1

- · Protects from fluid and splashes
- · Anti-static
- · Exceptionally strong and low linting

BizTex Micro, 60g





100%



# **MICROPOROUS ACCESSORIES**



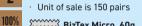


BizTex Micro, 60g White One Size

100%













# **ST44**

2

100%

**BIZTEX MICROPOROUS SHOE COVER TYPE PB[6]** EN 13034 TYPE PB [6]

EN 1149-5

Disposable boot covers for superior protection against cross contamination

· Elasticated cuffs for a secure fit · Unit of sale is 200 pairs



White One Size





## **BIZTEX MICROPOROUS BOOT COVER TYPE PB[6]** EN 13034 TYPE PB [6]

- · Excellent liquid and particulate barrier protection
- Elasticated hem for a secure and comfortable fit
- · Unit of sale is 200 pairs



2

BizTex Micro, 60g White One Size





# FOOT OVER 117 YEARS OF WORKWEAR INNOVATION PROTECTION

FT18

The Portwest foot protection range has been engineered for maximum safety and outstanding performance. Packed with safety features and designed using strong, flexible and innovative construction techniques. This complete range protects against safety hazards found in tough working environments, across a wide range of industries



An exceptional collection of safety footwear made using high guality materials and components. Portwest Steelite footwear contains protective steel toecaps and/or steel midsoles, offering outstanding protection even in the toughest work environments.



A modern collection of metal free safety footwear. Portwest Compositelite offers lightweight protection for all day comfort. Constructed using non-metallic protective fibreglass toecaps and/or non-metallic protective midsoles, this collection is ideal for use in environments where metal free protection is essential.



Portwest Occupational is the perfect answer to safety footwear. The lightweight durable styles offer all day comfort, while offering excellent slip resistance, energy absorption and anti-static properties. This collection is ideal for light work and leisure.

PORTWEST STEELITE and PORTWEST COMPOSITELITE are trademarks of Portwest

## **Symbols**

- 200 Jouls Steel Toecap
- 200 Jouls Composite Toecap
- Fibreglass Toecap
  - Pierce resistant composite midsole
  - Pierce resistant steel midsole
- Full grain leather
- Cow suede leather
- Metatarsal protection
- Energy absorbing seat region
- Anti-static footwear

- Mono density sole unit
  - Dual Density Sole Unit
  - Slip resistant outsole
- **HRO** 300° Heat resistant outsole 300°C
  - Non-marking sole unit
  - Fuel and oil resistant outsole
    - ESD
- METAL Metal free FREE

  - Chemical resistant

- Waterproof construction
- Waterproof membrane
- Water resistant upper
- Cold insulation
- Heat insulation
- Wide fitting

  - Women's fit
  - **UK Conformity Assessed**
- - **European Conformity**



## INNOVATION, DESIGN, STYLING AND QUALITY COMPONENTS DEFINE THE PORTWEST FOOT PROTECTION COLLECTION.

## SAFETY FOOTWEAR CAN BE RECOGNISED BY THE FOLLOWING STANDARDS:





This international standard specifies basic and additional (optional) requirements for safety footwear used for general purposes. It includes, mechanical risks, slip resistance, thermal risks and ergonomic behaviour. The toecap protects the wearer's toes against risk of injury from falling objects and crushing when worn in work environments where potential hazards may occur. The midsole protects against the foot being pierced by underfoot objects.

## The classification system used to identify the protection provided by the footwear is listed:

| Category   | Additional requirements                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| SB         | The presence of a safety toecap providing protection against impact injury to the toes caused by falling objects. Level of protection provided is 200 joules. Prevention of compression injury to the toes if trapped under a heavy object. Level of this protection is 15kN. |  |  |  |  |  |  |  |
| SBP        | As SB standard plus penetration resistance.                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| <b>S</b> 1 | As SB standard plus closed seat region, antistatic properties, resistance to fuel oil and energy absorption of seat region.                                                                                                                                                   |  |  |  |  |  |  |  |
| S1P        | As S1 standard plus penetration resistance.                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| <b>S2</b>  | As S1 standard plus water penetration and water absorption resistance.                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| <b>S</b> 3 | As S2 standard plus cleated outsole and penetration resistance.                                                                                                                                                                                                               |  |  |  |  |  |  |  |
| <b>S4</b>  | 200 joule toecap protection. All rubber or all polymeric footwear with antistatic properties.<br>Resistance to fuel oil, energy absorption of seat region and closed seat region.                                                                                             |  |  |  |  |  |  |  |
| <b>S</b> 5 | As S4 standard plus cleated outsole and penetration resistance.                                                                                                                                                                                                               |  |  |  |  |  |  |  |

**Table of additional requirements** for special applications with appropriate symbols for marking.

| Requirement       |                                                                      | Symbols |
|-------------------|----------------------------------------------------------------------|---------|
|                   | Penetration resistance                                               | Р       |
|                   | Electrical properties: Antistatic footwear                           | Α       |
| 5                 | Resistance to inimical environments: Cold insulation of sole complex | CI      |
| Whole<br>Footwear | Energy absorption of seat region                                     | Е       |
|                   | Water resistant                                                      | WR      |
|                   | Metatarsal protection                                                | М       |
| Upper             | Water penetration and absorption                                     | WRU     |
|                   | Resistance to hot contact                                            | HRO     |
| Outsole           | Resistance to fuel oil                                               | FO      |

## FOOTWEAR SIZE CHART

It is recommended to have your foot measured when purchasing footwear as there is no exact standard for converting shoe sizes.

| UK Size         | 1  | 2  | 3  | 4  | 5  | 6  | 6.5 | 7  | 8  | 9  | 10 | 10.5 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|-----------------|----|----|----|----|----|----|-----|----|----|----|----|------|----|----|----|----|----|----|----|
| Euro Size       | 34 | 35 | 36 | 37 | 38 | 39 | 40  | 41 | 42 | 43 | 44 | 45   | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| US Mens Size    |    |    |    |    | 6  | 7  | 7.5 | 8  | 9  | 10 | 11 | 11.5 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| US Women's Size |    |    | 5  | 6  | 7  | 8  | 8.5 | 9  | 10 | 11 |    |      |    |    |    |    |    |    |    |

## EN 61340-4-3:2018

This part of EN 61340 describes a test method for determining the electrical resistance of footwear used in the control of electrostatic potential on people. This standard is suitable for use by the manufacturer of footwear as well as the end user

#### Electrostatic conductive footwear

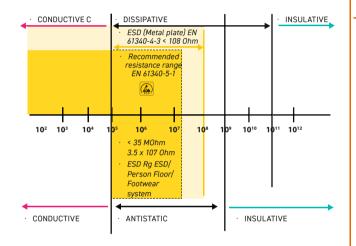
Footwear as tested by the method described in this standard with an electrical resistance of < 1  $\Omega \times 10$ .

#### Electrostatic dissipative footwear

Footwear as tested by the method described in this standard with an electrical resistance of > 1  $\Omega \times 10$  and < 1  $\Omega \times 10$ .

#### Floor/Footwear System used for primary grounding - ESD Standard EN 61340

Occupational and safety shoes standard - EN ISO 20344 to EN ISO 20347. The level of charge generated is influenced by atmospheric humidity.





#### Footwear Protecting Against Chemicals

Footwear protecting against chemicals - Part 2: Requirements for footwear resistant to chemicals under laboratory conditions

Resistance to degradation: Samples are placed in contact with the chemical for 23 hours.

| В | - | acetone                        |
|---|---|--------------------------------|
| D | - | dichloromethane                |
| F | - | toluene                        |
| G | - | diethylamine                   |
| H | - | tetrahydrofuran                |
| I | - | ethyl acetate                  |
| J | - | n-heptane                      |
| K | - | 30% sodium hydroxide           |
| L | - | 95% sulphuric acid             |
| М | - | 65% nitric acid                |
| N | - | 99% acetic acid                |
| 0 | - | 25% ammonia solution           |
| Р | - | 30% hydrogen peroxide solution |
| Q | - | isopropanol                    |
| R | - | 13% sodium hypochlorite        |

## EN ISO 20347:2012

The International Standard specifies basic and additional (optional) requirements for occupational footwear that is not exposed to any mechanical risks (impact or compression).

| Category | Additional requirements                                                       |
|----------|-------------------------------------------------------------------------------|
| OB       | Conforms to the basic requirements set out by the standard EN ISO 20347: 2012 |
| 01       | Closed seat region, antistatic properties, energy absorption of seat region   |
| 02       | As 01 plus: Water penetration and absorption                                  |
| 03       | As 02 plus: Penetration resistance, cleated outsole                           |
| 04       | Closed seat region, antistatic properties, energy absorption of seat region   |
| 05       | As 04 plus: Penetration resistance, cleated outsole                           |

### EN ISO 13287:2019

This European Standard specifies a method of test for the slip resistance of conventionally soled safety, protective and occupational footwear. It is not applicable to special purpose footwear containing spikes, metal studs or similar.

The item of footwear to be tested is put on a surface, subjected to a given normal force and moved horizontally relative to the surface. The frictional force is measured and the dynamic coefficient of friction is calculated.

If the outsole passes both the ceramic tile test (SRA) and the steel floor test (SRB) it is marked as SRC

| Marking Carls | Test Surface                                             | Coefficient of Frid | tion (EN 13287)   |
|---------------|----------------------------------------------------------|---------------------|-------------------|
| Marking Code  | lest Surface                                             | Forward Heel Slip   | Forward Flat Slip |
| SRA           | Ceramic tile with SLS*                                   | ≥ 0.28              | ≥ 0.32            |
| SRB           | Steel floor with<br>Glycerol                             | ≥0.13               | ≥ 0.18            |
| SRC           | Ceramic tile with SLS*<br>& Steel floor with<br>Glycerol | ≥ 0.28<br>≥ 0.13    | ≥ 0.32<br>≥ 0.18  |

\* Water with 5% Sodium Lauryl Sulphate (SLS) solution

#### ASTM F2413-18

#### Standard specification for performance requirements for protective (safety) toe cap footwear.

The specification contains performance requirements for footwear to protect workers feet from the following hazards by providing:

- Impact resistance (I) for the toe area of footwear.
- С Compression resistance (C) for the toe area of the footwear.

Mt Metatarsal impact protection (Mt) that reduces the chance of injury to the metatarsal bones at the top of the foot.

**Cd** Conductive properties (Cd) which reduce hazards that may result from static electricity buildup, and reduce the possibility of ignition of explosives and volatile chemicals.

 $\ensuremath{\mathsf{EH}}$  Electric hazard protection (EH), to protect the wearer when accidental contact is made by stepping on live electric wires.

 ${\ensuremath{\textbf{SD}}}$  Static dissipative properties (SD) to reduce hazards due to excessively low footwear electrical resistance that may exist where SD footwear is required.

PR Puncture resistance (PR) footwear devices.

# SAFETY FOOTWEAR CLASSIFICATION GUIDE



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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | S = STEELITE C = COMPOSITELITE E = ESD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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# INNOVATIVE IMPACT PROTECTION TECHNOLOGY

FD17

# IMPACT PROTECTION

XRD<sup>®</sup> Protection Technology is a multi-purpose foam, uniquely designed for wearable impact protection.

Thin, flexible, soft to the touch and comfortable when worn, XRD<sup>®</sup> Protection Technology firms upon impact to form a protective shell around the wearer. The molecular structure of this innovative technology is engineered to provide consistent performance and impact absorption even after repeated impacts and long-term use.

# METATARSAL PROTECTION BOOT

# Steelitě

## S3 FD17 STEEL EN ISO 2

## STEELITE MET PROTECTOR BOOT S3 M EN ISO 20345 S3

5

SU

- $\cdot~$  XRD Poron technology for ultimate metatarsal protection
- · Angled top line for better fit and leg flexibility
- Padded collar for added comfort
- Integrated superior metatarsal protection for heavy duty industries
- $\,\cdot\,$  Water resistant upper to prevent water penetration
- $\cdot\,$  SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Smooth Action Leather PU/PU Outsole: F60



## ADVANCED METATARSAL PROTECTION

| 1 | EURO  | UK   | USA  |  |  |
|---|-------|------|------|--|--|
|   | 39-48 | 6-13 | 7-14 |  |  |

D

# INNOVATIVE WIRE LACE FASTENING SYSTEMS

QUICK RELEASE PUSH/PULL

The innovative wire lace system is designed with double strength wire for excellent durability.

Features include a raised texture on dial for better fastening grip, rubberised dial chassis for better abrasion and a quick release push/ pull locking clasp. Engineered central cavities aids wire tension across the vamp of the shoe and is specially positioned on the shoe to ensure a levelled, all-over, comfortable fit. CENTRAL CAVITIES AIDS TENSION

DIAL CHASSIS ENSURES A LEVELLED, COMFORTABLE FIT

WIRE LACE

## TIGHTEN

PUSH IN THE DIAL AND TWIST CLOCKWISE

## LOOSEN

PULL OUT THE DIAL AND PULL ON THE TONGUE

# **SAFETY TRAINERS**



## Compositelite

S1P

FT08

the foot



| EURO  | UK   | USA  |
|-------|------|------|
| 36-48 | 3-13 | 4-14 |

# PORTWEST.

Portwest continues to push the boundaries in sustainable foot protection with the introduction of an eco-conscious safety trainer.

The use of certified recycled materials, where possible, ensures minimal impact on the environment. Made from recycled PET bottles, the lightweight Eco Safety Trainer is designed for maximum safety, comfort and performance while offering a stylish on-trend modern look.

# **ECO SAFETY TRAINER**



UPPER SUSTAINABLY MADE FROM POST CONSUMER WASTE

NEV

## Compositelitë

S1P

METAL

### FC08 PORTWEST COMPOSITELITE ECO SAFETY TRAINER S1P EN ISO 20345 S1P

PET plastic recycled knitted upper
 Gel cushioned footbed
 Padded collar for added comfort
 Back pull-tab for ease of getting onto the foot
 3D breathable mesh lining
 Padded tongue

Technical Textile PU/PU Outsole: F50

| EURO  | UK   | USA  |
|-------|------|------|
| 36-48 | 3-13 | 4-14 |

# 4 PET BOTTLES

ARE RECYCLED TO MAKE THIS TRAINER

# **SAFETY TRAINERS**



## Compositelite



| EURO  | UK   | USA  |
|-------|------|------|
| 37-48 | 4-13 | 5-14 |



Lightweight dual density EVA and rubber outsole

Pierce resistant composite midsole

#### KPU/ Mesh EVA/Rubber Outsole: F53 Black/Grey 36-48 Black/Red 36-48





| 36-48 | 3-13 | 4-14 |
|-------|------|------|
|       |      |      |
|       |      |      |





12

METAL

FREE

METAL

### FT35 PORTWEST COMPOSITELITE **OGWEN LOW CUT TRAINER S**' EN ISO 20345 S1P

- Superbly cushioned comfort foot bed reducing foot fatigue
- Reinforced heel and toe
- Back pull-tab for ease of getting onto the foot
- Lightweight dual density EVA and rubber outsole
- Composite toecap for added
- protection
- Pierce resistant composite midsole



KPU/ Mesh > EVA/Rubber Outsole: F53 Black/Green 36-48, Black/Red 36-48

> EURO 36-48

3-13

4-14



| 1P |   |     |  |  |  |  |
|----|---|-----|--|--|--|--|
| U  | K | USA |  |  |  |  |

# **SAFETY TRAINERS**

## Compositelite

FT60



12

#### PORTWEST COMPOSITELITE MERSEY TRAINER S1P EN ISO 20345 S1P

- Available in unisex sizing
- · 3D breathable mesh lining
- Leather stitched toe bumper
   Suede and textile upper
- Dual density outsole
- Superbly cushioned comfort foot bed



Suede leather + textile PU/PU Outsole: F50 Black/Blue 36-48





| EURO  | UK   | USA  |
|-------|------|------|
| 36-48 | 3-13 | 4-14 |



S1P

12

HRO 300°

METAL

A

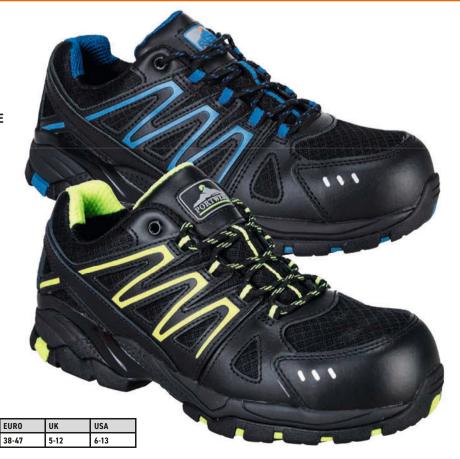
## FC67 PORTWEST COMPOSITELITE VISTULA TRAINER S1P HRO EN ISO 20345 S1P

- Specially engineered outsole to reduce foot fatigue
- reduce foot fatigue
   Mesh and split leather upper
- Phylon and Rubber outsole offering lightweight and durable
- performance.
  Heat resistant outsole 300°C
- Pierce resistant composite midsole
- Composite toecap for added protection

## Split Leather Phylon/Rubber Outsole: F43







# **SAFETY TRAINERS** REGISTERED COMMUNITY DESIGNS NE

## Compositelitě



### FC09 PORTWEST COMPOSITELITE PERFORATED SAFETY TRAINER S1P EN ISO 20345 S1P

- · Perforated upper aiding air circulation in hot environments
- Extra set of contrast laces included
- 100% non-metallic
- · Padded collar for added comfort
- Back pull-tab for ease of getting onto the foot
  Composite toe cap
  - Smooth Action Leather
- PU/PU Outsole: F50



## ONE EXTRA SET OF CONTRAST LACES INCLUDED



| EURO  | UK   | USA  |
|-------|------|------|
| 36-48 | 3-13 | 4-14 |

## SAFETY TRAINERS **ONE EXTRA SET OF CONTRAST LACES** INCLUDED Steelite FT25 S1P **STEELITE AIRE TRAINER S1P** EN ISO 20345 S1P · Contemporary knitted upper, specially developed to increase 10 comfort and lightweight properties Extra set of contrast laces included Back pull-tab for ease of getting onto the foot Dual density outsole · Protective steel toecap Pierce resistant steel midsole Knitted Upper > PU/PU Outsole: F50 Black/Green 36-48, Blue/Orange 36-48 A EURO UK USA



36-48

3-13

4-14







# **SAFETY TRAINERS**





Black/Red 36-48, Black/Yellow 36-48,

|      |    |     | - |
|------|----|-----|---|
|      |    |     |   |
|      |    |     | ~ |
| EURO | UK | USA |   |





## 602

EURO

36-48

UK

3-13

USA

4-14

# SAFETY TRAINERS



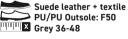


Steelite



#### EN ISO 20345 S1 AS 2210.3 · Available in unisex sizing

- 3D breathable mesh lining
- Leather stitched toe bumper
- Suede and textile upper
- Dual density outsole
- Superbly cushioned comfort foot bed reducing foot fatigue

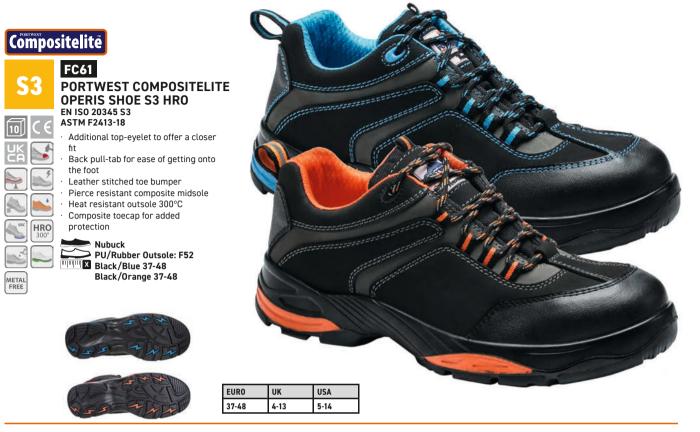






| 1 | EURO  | UK   | USA  |
|---|-------|------|------|
|   | 36-48 | 3-13 | 4-14 |

# **SAFETY BOOTS AND SHOES**



## Compositelite



HRO 300°

### FC60 PORTWEST COMPOSITELITE OPERIS BOOT S3 HRO EN ISO 20345 S3 · Additional top-eyelet to offer a closer fit

- Additional top-eyelet to offer a closer fit
   Back pull-tab for ease of getting onto the foot
- Leather stitched toe bumper
- Heat resistant outsole 300°C
  - · Pierce resistant composite midsole
  - $\cdot$  Composite toecap for added protection
  - Nubuck PU/Rubber Outsole: F52 Black/Blue 37-48 Black/Orange 37-48







604

METAL FREE

# **SAFETY BOOTS**



## Compositelite



METAL

10

## FC58 PORTWEST COMPOSITELITE AVICH BOOT S3 EN ISO 20345 S3

- Lightweight and comfortable
  Reflective panelling to aid visibility in
- poorly lit conditions • Angled top line for better fit and leg
- flexibility • Composite toecap for added
- protection Lightweight composite PU cushioned midsole
- SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Action Leather PU/PU Outsole: F62 Black 39-48



EURO

39-48



# SAFETY BOOTS AND SHOES

#### Compositelite FC65 PORTWEST COMPOSITELITE S1P **TREKKER PLUS BOOT S1P** EN ISO 20345 S1P External 360° chassis system for maximum ankle support · 100% metal free Back pull-tab for ease of getting onto the foot Suede and textile upper Padded collar for added comfort Pierce resistant composite midsole Cow Suede Leather PU/PU Outsole: F21 Black 37-47 METAI UK EURO USA 37-47 4-12 5-13

## Compositelite





## Compositelite



EURO

38-47

UK

5-12



# SAFETY BOOTS AND SHOES

#### Compositelitë FC66 PORTWEST COMPOSITELITE **S1 TROUPER SHOE S1** EN ISO 20345 S1 3D breathable mesh lining 100% metal free Back pull-tab for ease of getting onto the foot Suede and textile upper Padded collar for added comfort Composite toecap for added protection **Cow Suede Leather** PU/PU Outsole: F21 Black 36-48 METAL EURO UK USA 36-48 3-13 4-14





#### Compositelite FC63 PORTWEST COMPOSITELITE **S1 TREKKER BOOT S1** EN ISO 20345 S1 · 3D breathable mesh lining 100% metal free Back pull-tab for ease of getting onto the foot Suede and textile upper Padded collar for added comfort Composite toecap for added protection Cow Suede Leather CONTRACTOR OF > PU/PU Outsole: F21 Black 37-48 METAL FREE EURO UK USA 37-48 4-13 5-14

# **WOMEN'S SAFETY BOOTS AND SHOES**







#### STEELITE LOUISA WOMEN'S ANKLE BOOT S3 EN ISO 20345 S3 • Women's specialised fit

- Women's specialised fit
   Nubuck leather upper
- Padded collar for added comfort
- Padded tongue
- Pierce resistant composite midsole
   Water resistant upper to prevent water penetration
- Full-Grain Nubuck Leather PU/PU Outsole: F26









### Steelite



HRO

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FD10 CLYDE SAFETY BOOT S3 HRO CI HI FO EN ISO 20345 S3 AS 2210.3

- Moisture wicking inner lining provides reliable protection against cold, damp and heat
- Protective TPU scuff cap for high impact
- Innovative outsole flex zones increase flexibility and stability for excellent support and comfort with every step
- Direct injected PU/rubber outsole for supreme grip and energy absorption.
   Heat resistant outsole 300°C
- Cold insulation

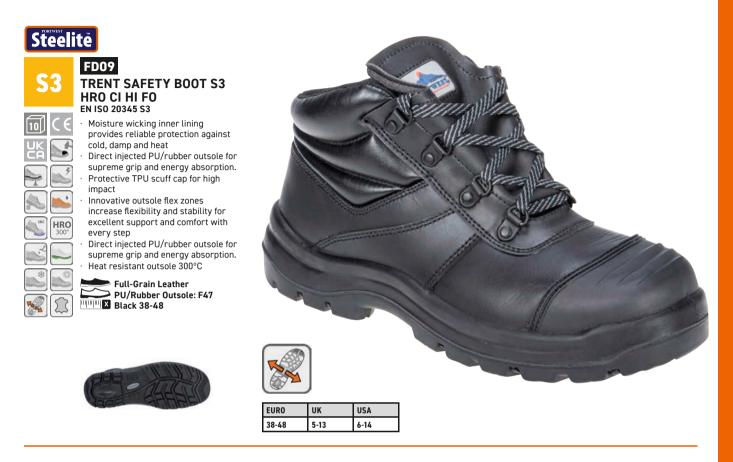
Full-Grain Leather PU/Rubber Outsole: F47



| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |

# PROTECTIVE

### SCUFF CAP



### Steelite



HRO

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#### FD11 FOYLE SAFETY BOOT S3 HRO CI HI FO EN ISO 20345 S3

- Moisture wicking inner lining provides reliable protection against cold, damp and heat
- Direct injected PU/Rubber outsole for supreme grip and energy absorbtion
- Back pull-tab for ease of getting onto the foot
- Innovative outsole flex zones increase flexibility and stability for excellent support and comfort with every step
- Heat resistant outsole 300°C
  Protective steel toecap
- Full-Grain Leather PU/Rubber Outsole: F47





| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |



### Steelite

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HRO 300° FW65 STEELITE TASKFORCE BOOT S3 HRO EN ISO 20345 S3 • Lightweight dual density EVA and rubber outsole Broathale income lining

- Breathable inner lining
   Dedded celles for added comfort
- Padded collar for added comfort
   Angled top line for better fit and leg flexibility
- Back pull-tab for ease of getting onto the foot
- Pierce resistant steel midsole

Split Leather/ 1200D Oxford EVA/Rubber Outsole: F43 Black 39-48





| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |

### Steelite



### Steelite

STPE
STPELITE PERFORATED TRAINER SIP
EN ISO 20345 SIP
Perforated upper aiding air circulation in hot environments
Permium suede upper
Padded collar for added comfort
Protective steel toecap
Pierce resistant steel midsole
SRC - Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
Cow Suede Leather PU/PU Outsole: F12 Blue 36-48, Grey 36-48



A



### Steelitë



#### FT54 STEELITE TEGID SLIP ON TRAINER S1P EN ISO 20345 S1P • Breathable polyester upper

- Slip-on silhouette
- Neoprene lined for a more comfortable and closer fit
- Back and front pull-tab for ease of getting onto the foot Protective steel toecap

EURO

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2-12

3-13

Protective steel toecap Pierce resistant steel midsole

#### Polyester PU Outsole: F63



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|----------|---|-----|-------------------------|--|---|--|--|
| UK       | ( | USA |                         |  |   |  |  |

### Steelitë



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**HRO** 300°

#### FW16 STEELITE WELTED SAFETY BOOT SBP HRO EN ISO 20345 SBP

- Padded collar for added comfort
- Good year welted outsole construction
  - Back pull-tab for ease of getting onto the foot
  - Slip, fuel and oil resistant rubber outsole
- Heat resistant outsole 300°C
- SRA Slip resistant outsole to prevent slips and trips on ceramic surfaces

Split Leather Rubber Outsole: F07





| EURO  | UK   | USA  |
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| 39-48 | 6-13 | 7-14 |



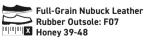
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HRO

300

#### FW35 STEELITE WELTED PLUS SAFETY BOOT SBP HRO EN ISO 20345 SBP AS 2210.3

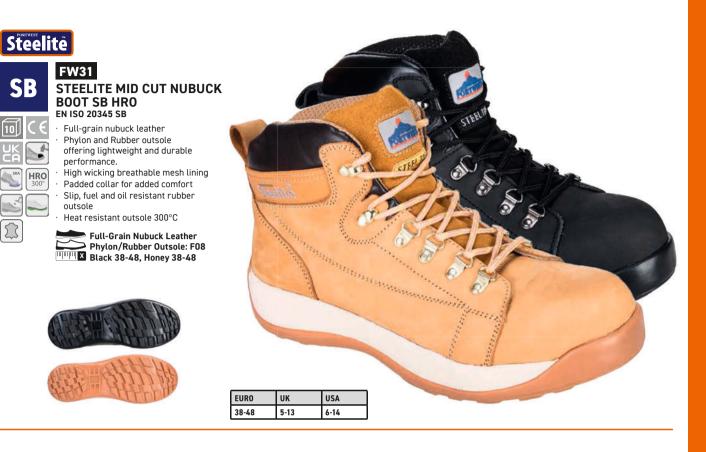
- Heel kick for ease of removal
- Good year welted outsole construction
- Back pull-tab for ease of getting onto the foot
- Perforated upper aiding air circulation in hot environments
   Padded collar for added comfort
   Reinforced ankle support for exceptional ankle protection







| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |



### Steelite



HRO

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#### EW17 STEELITE WELTED SAFETY BOOT SB HRO EN ISO 20345 SB

- Full-grain nubuck leather
  Good year welted outsole
- construction
  Back pull-tab for ease of getting onto the foot
- Slip, fuel and oil resistant rubber outsole
- Heat resistant outsole 300°C
   SRA Slip resistant outsole to
   prevent slips and trips on ceramic
   surfaces

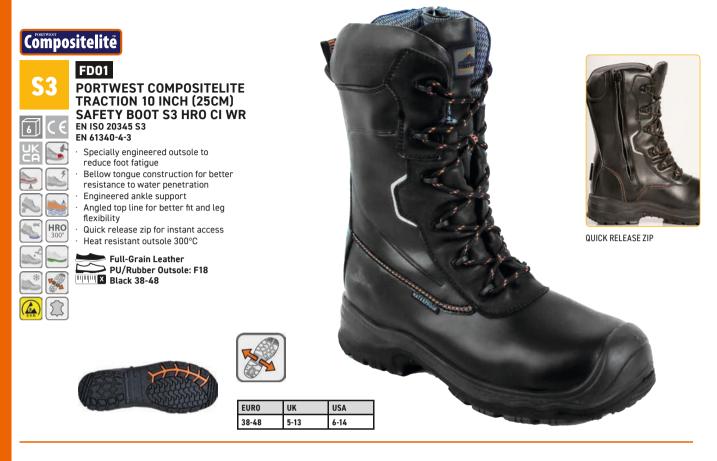
Full Grain Crazy Horse/Full Grain Nubuck Leather Rubber Outsole: F07 Brown 39-48, Honey 39-48







| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |









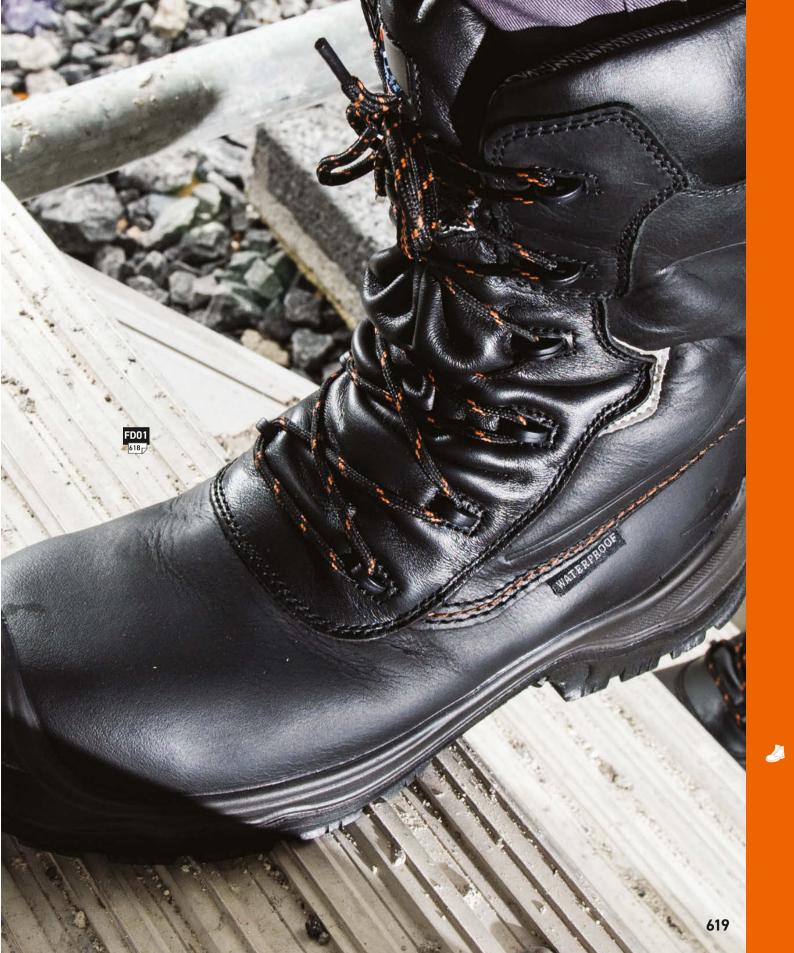


| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |

QUICK RELEASE ZIP

### PROVEN IN THE OIL AND GAS INDUSTRIES

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- Reflective panelling to aid visibility in poorly lit conditions
   Specially engineered high visibility material
   Fibreglass toecap
- Bellow tongue construction for better resistance to water penetration
- Angled top line for better fit and leg flexibility
  Lightweight composite PU cushioned midsole

Buffalo Crazy Horse Leather PU/TPU Outsole: F62



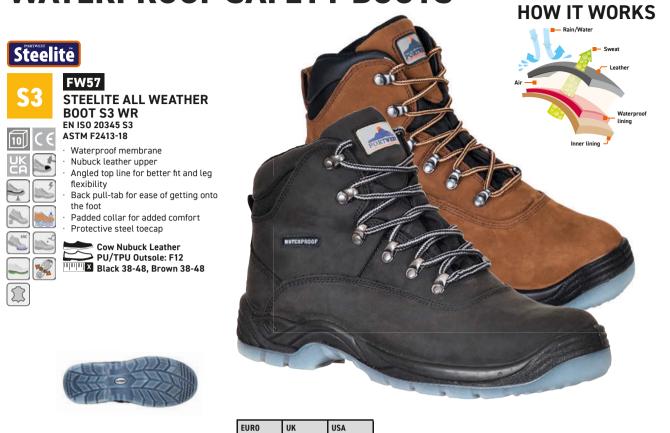
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|---|-------|------|------|
| l | 39-48 | 6-13 | 7-14 |





| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |
|       |      |      |

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| EURO | ) | UK   | USA  |
|------|---|------|------|
| 38-4 | B | 5-13 | 6-14 |

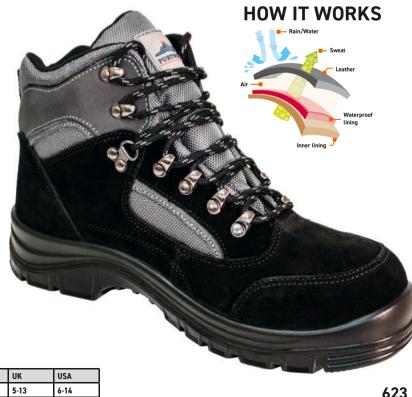
### Steelite



#### FW66 **STEELITE ALL WEATHER HIKER BOOT S3 WR** EN ISO 20345 S3

- Made with cow suede leather for a premium finish
- Pierce resistant steel midsole
- Anti-static footwear
- Energy Absorbing Seat Region
- · Waterproof membrane
- SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Cow Suede Leather PU/PU Outsole: F51 Black 38-48





| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |

### **SAFETY BOOTS**



### Steelite

HRO

#### FT05 STEELITE MONSAL SAFETY BOOT S3 WR CI HRO SRC EN ISO 20345 S3

- Technical locking ski-hook provides a secure fit
   Specially considered upper materials to aid in high
- abrasion areas, performance and stability
- Enhanced tread pattern for a better traction on uneven terrain
- Full grain leather upper aiding prevention of water
  Heel kick for fast and easy removal
- Waterproof membrane

Waxy Full-Grain Buffalo Leather EVA/Rubber Outsole: F80 Black 39-48



### ADVANCED PROTECTION IN TOUGH CONDITIONS

| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |



## **SAFETY SANDALS AND SHOES**





| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |

### Steelite



#### FW42 STEELITE OBRA SANDAL S1 EN ISO 20345 S1

- Superbly cushioned comfort foot bed reducing foot fatigue
- Adjustable webbing strap for better fit and comfort
- Back pull-tab for ease of getting onto the foot
- · Suede and textile upper
- Padded tongue
  - Made with cow suede leather for a premium finish
  - Cow Suede Leather PU/PU Outsole: F39 Black 35-48, Grey 35-48



EURO

35-48



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## **SAFETY SANDALS AND SHOES**



#### **STEELITE SAFETY SANDAL S1** EN ISO 20345 S1



Perforated upper aiding air circulation in hot environments Adjustable hook and loop strap for

- better fit and comfort Available in unisex sizing
- Protective steel toecap
- Anti-static footwear Energy Absorbing Seat Region
- Split Leather PU/PU Outsole: F04 Black 35-48





| EURO  | UK   | USA  |
|-------|------|------|
| 35-48 | 2-13 | 3-14 |

### Steelite



12

#### SHOE S1 EN ISO 20345 S1

FW41

- · Perforated upper aiding air circulation in hot environments Padded collar for added comfort
- Protective steel toecap
- Anti-static footwear
- Energy Absorbing Seat Region SRC - Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Split Leather PU/PU Outsole: F41 Black 36-42







| EURO  | UK  | USA  |
|-------|-----|------|
| 36-42 | 3-8 | 5-10 |

## **COLD PROTECTION SAFETY BOOTS**





#### **STEELITE KUMO FUR LINED BOOT S3** EN ISO 20345 S3

- Padded collar for added comfort
- Bellow tongue construction for better resistance to water
- penetration Cold insulation
- Water resistant upper to prevent water penetration
- Protective steel toecap
- Pierce resistant steel midsole



#### Buffalo Water-Resistant Leather PU/PU Outsole: F56



| EURO  | UK   | USA  |
|-------|------|------|
| 36-47 | 3-12 | 4-13 |

## **COLD PROTECTION SAFETY BOOTS**



### Steelite

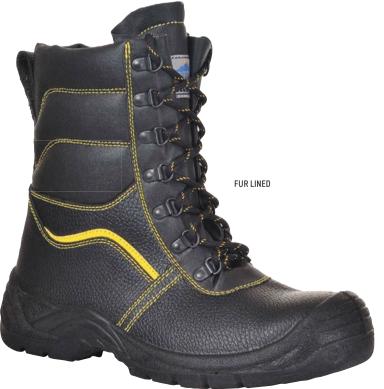


### FW05 STEELITE FUR LINED PROTECTOR BOOT S3 CI

EN ISO 20345 S3

- Fur lined for added warmth and comfort
   Bellow tongue construction for better resistance to
- water penetration
  Back pull-tab for ease of getting onto the foot
- Protective scuff cap
- Cold insulation
  - Protective steel toecap
- Split Leather PU/TPU Outsole: F12 Black 37-48





| EURO  | UK   | USA  |
|-------|------|------|
| 37-48 | 4-13 | 5-14 |



## **ESD PROTECTION**

### Compositelite



#### FD27 **PORTWEST COMPOSITELITE PROTECTOR SAFETY SHOE** S3 ESD HRO EN ISO 20345 S3 EN 61340-4-3

- Suitable for use in ESD environments Heat resistant outsole 300°C
- Enhanced tread pattern for a better traction on uneven terrain Angled top line for better fit and leg
- flexibility Padded collar for added comfort
- Protective scuff cap

### Action Nubuck

Black/Blue 39-47





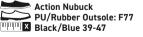
| EURO  | UK   | USA  |
|-------|------|------|
| 39-47 | 6-12 | 7-13 |





#### **PROTECTOR SAFETY BOOT** S3 ESD HR0 EN ISO 20345 S3 Suitable for use in ESD environments

- Heat resistant outsole 300°C
- Enhanced tread pattern for a better
- traction on uneven terrain Angled top line for better fit and leg
- flexibility Padded collar for added comfort
- Protective scuff cap







| EURO  | UK   | USA  |
|-------|------|------|
| 39-47 | 6-12 | 7-13 |

HRO

300

METAL FREE 



## **ESD PROTECTION**



**ESD TAGUS SANDAL S1P** EN ISO 20345 S1P EN 61340-4-3

- Adjustable webbing strap for better fit and comfort
- Back pull-tab for ease of getting onto the foot
- Perforated upper aiding air circulation in hot environments

EURO

36-48

UK

3-13

- Padded collar for added comfort
- Back pull-tab for ease of getting onto the foot Pierce resistant composite midsole

Split Nubuck Leather > PU/PU Outsole: F39 Black 36-48





METAL FREE

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FC03 PORTWEST COMPOSITELITE ESD PERFORATED SAFETY CLOG SB AE EN ISO 20345 SB

EN 61340-4-3

Slip-on silhouette

SB

METAL

- Adjustable elastic heel strap
- Perforated upper aiding air circulation in hot environments
- · Wipe clean upper
- $\cdot$  Self-cleaning outsole preventing cross contamination
- Composite toecap for added protection

Microfibre PU/PU Outsole: F46



EURO

35-48



### MACHINE WASHABLE FOOTWEAR

The Steelite Microfibre Food and Medical Industry products are manufactured from high quality microfibre, which is water resistant and machine washable.



| EURO  | UK   | USA  |
|-------|------|------|
| 36-48 | 3-13 | 4-14 |







THE PORTWEST

**ANIMAL FRIENDLY** 

| EURO  | UK   | USA  |
|-------|------|------|
| 34-49 | 1-14 | 2-15 |

### Steelite 30°



12

#### FW88 STEELITE ALBUS LACED BOOT S2 EN ISO 20345 S2

 Self-cleaning outsole which prevents cross contamination

Padded collar for added comfort

- · Wipe clean upper
- Available in unisex sizing
- Specially designed for Clean Room, Medical and Food Industries
   Protective steel toecap
- Microfibre PU/PU Outsole: F40 White 35-49





| EURO  | UK   | USA  |  |
|-------|------|------|--|
| 35-49 | 2-14 | 3-15 |  |

### It's All About Sole - F40

Slip resistant and self-cleaning outsole which prevents cross contamination due to product being lodged in the sole tread of the footwear, specially designed for Clean Room, Medical and Food Industries..



| EURO  | UK   | USA  |
|-------|------|------|
| 34-49 | 1-14 | 2-15 |











| EURO  | UK   | USA  |
|-------|------|------|
| 34-48 | 1-13 | 2-14 |

B

## **METATARSAL PROTECTION**



### **INTEGRATED FLEXIBLE META-GUARD FOR OPTIMUM FLEXIBILITY AND METATARSAL PROTECTION**

- MINING
- OIL & GAS
- UTILITIES
- CONSTRUCTION
- **CIVIL ENGINEERING**
- AGGREGATES
- AGRICULTURE



### Compositelite



#### FD85 **PORTWEST METTAMAX SAFETY** WELLINGTON S5 M

EN ISO 20345 S5

FD8

- Integrated flexible meta-guard for optimum flexibility and
- metatarsal protection Reinforced ankle protection
- Kick spur
- Enhanced tread pattern for a better traction on uneven terrain
- Fibreglass toecap
- Pierce resistant composite midsole
  - PVC/Nitrile
- PVC/Nitrile Outsole: F49



| EURO  | UK   | USA  |
|-------|------|------|
| 37-48 | 4-13 | 5-14 |

## **METATARSAL PROTECTION**



XRD<sup>®</sup> Protection Technology is a multi-purpose foam, uniquely designed for wearable impact protection.

Thin, flexible, soft to the touch and comfortable when worn, XRD<sup>®</sup> Protection Technology firms upon impact to form a protective shell around the wearer. The molecular structure of this innovative technology is engineered to provide consistent performance and impact absorption even after repeated impacts and long-term use.

### Steelitě

FD17



#### STEELITE MET PROTECTOR BOOT S3 M EN ISO 20345 S3

- · XRD Poron technology for ultimate metatarsal protection
- · Angled top line for better fit and leg flexibility
- · Padded collar for added comfort
- Integrated superior metatarsal protection for heavy duty industries
- Water resistant upper to prevent water penetration
- SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Smooth Action Leather PU/PU Outsole: F60 Black 39-48

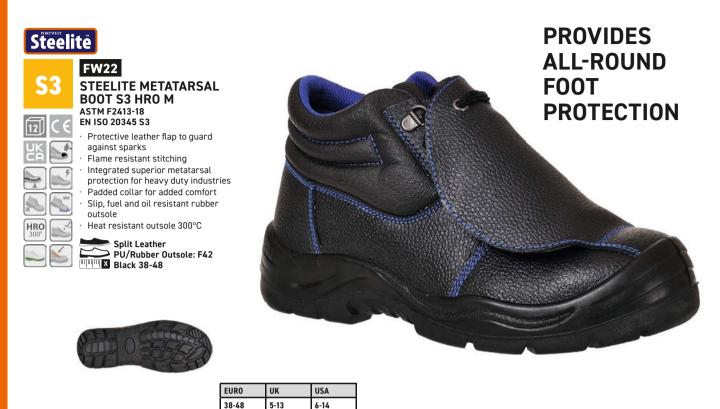
### COMBINING INNOVATION, DESIGN AND SAFETY IN FOOTWEAR





| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |

## **METATARSAL PROTECTION**



## **WELDING PROTECTION**



| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |

## **RIGGER BOOTS**





EURO

38-48



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## **RIGGER BOOTS**







### Steelite





· Unlined

- · Dual density outsole
- Side pull-tabs
- · Heat resistant outsole 300°C
- Protective steel toecap
  Pierce resistant steel midsole

Split Leather PU/Rubber Outsole: F19

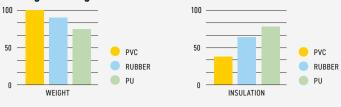


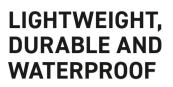
| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |



## **PU WELLINGTONS**

Wellingtons Range - Material Characteristics

















#### FD95 PU SAFETY WELLINGTON S5 CI FO EN ISO 20345 S5 ASTM F2413-18

Excellent cold insulation properties down to -17 degrees
 Fully waterproof

- Washable lining
- Enhanced tread pattern for a better traction on uneven terrain
- Additional orthopedic, washable, antibacterial, removable
- footbeds with arch support and shock absorbing heel cushioning Cold insulation

|                 | PU                        |
|-----------------|---------------------------|
|                 | PU Outsole: F35           |
| minimi <b>x</b> | Yellow 39-48, Green 39-48 |

| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |





#### PU NON SAFETY WELLINGTON 04 CI FO EN ISO 20347 04

- · Excellent cold insulation properties down to -17 degrees
- Fully waterproof
- · Washable lining
- Enhanced tread pattern for a better traction on uneven terrain
   Additional orthopedic, washable, antibacterial, removable footbeds with arch support and shock absorbing heel cushioning



PU PU Outsole: F35

| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |

# **SAFETY WELLINGTONS**

ANTIBACTERIAL LINER

NO BREAKING OR CRACKING IN EXTREME WEATHER CONDITIONS



FATS, ORGANIC SOLVENTS, AND A VARIETY OF CHEMICALS

Steelite

S/



#### FD84 **PU FOOD WELLINGTON S4 CI FO** EN ISO 20345 S4

Excellent cold insulation properties down to -17 degrees

- · Fully waterproof · Washable lining
- Enhanced tread pattern for a better traction on uneven terrain
- Additional orthopedic, washable, antibacterial, removable
- footbeds with arch support and shock absorbing heel cushioning Protective steel toecap





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| EURO  | UK   | USA  |
|-------|------|------|
| 39-48 | 6-13 | 7-14 |

# **PVC WELLINGTONS**



|             | EURO  | UK   | USA  |
|-------------|-------|------|------|
| Black       | 36-49 | 3-14 | 4-15 |
| Green,White | 36-48 | 3-13 | 4-14 |

| EURO  | UK   | USA  |
|-------|------|------|
| 36-48 | 3-13 | 4-14 |

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# **PVC WELLINGTONS**











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FW84 SAFETY FOOD WELLINGTON S4 EN ISO 20345 S4

EN 13832-3:2018 AS 2210.3

Kick spur

- Reinforced ankle protection
- Fully waterproof
- Protective steel toecap
- · Chemical resistant UKCA marked



### **MAXIMUM PROTECTION** IN HARSH CONDITIONS

|          | CE |
|----------|----|
| UK<br>CA | 4  |
| A.       |    |
| SRC      | N. |

04

### **FW90**

**PVC WELLINGTON 04** EN ISO 20347 04

· Fully waterproof

- · Kick spur
- · Anti-static footwear
- · Energy Absorbing Seat Region
- 100% Waterproof to keep feet dry
- · SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces

PVC

> PVC Outsole: F36 Green 39-48

|       | EURO  | UK   | USA  |
|-------|-------|------|------|
| Black | 37-48 | 4-13 | 5-14 |
| Green | 39-48 | 6-13 | 7-14 |

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|   | EURO  | UK   | USA  |
|---|-------|------|------|
| l | 36-48 | 3-13 | 4-14 |

# **PVC WELLINGTONS**

# **FUR LINED FOR EXTRA WARMTH** CEFW45 KICK SPUR

# Steelite







- Fur lined for added warmth and comfort Kick spur
- · Reinforced ankle protection
- · Chemical resistant · 100% Waterproof to keep feet dry
- · Cold insulation
- PVC/Nitrile PVC/Nitrile Outsole: F06 Black 36-49, Tan 36-49

| EURO  | UK   | USA  |
|-------|------|------|
| 36-49 | 3-14 | 4-15 |







Bellow tongue construction for better resistance to water penetration

- Protective scuff cap
  - Protective steel toecap
  - Pierce resistant steel midsole
  - 100% Waterproof to keep feet dry
  - SRA Slip resistant outsole to prevent slips and trips on ceramic surfaces

|                       | PVC              |
|-----------------------|------------------|
|                       | PVC Outsole: F44 |
| [m] $[m]$ $[m]$ $[m]$ | Black 38-47      |

| FURO  | 111/ | 110 4 |
|-------|------|-------|
| EUKU  | UN   | USA   |
| 38-47 | 5-12 | 6-13  |

# **SAFETY WADERS**

ADJUSTABLE STRAPS



### Steelitë







#### FW71 **SAFETY WAIST WADER S5** EN ISO 20345 S5

- Protective steel toecap Pierce resistant steel midsole
- Anti-static footwear
- Energy Absorbing Seat Region
- 100% Waterproof to keep feet dry
- SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces



PVC/Nitrile Outsole: F06 Black 37-47

| FUNC | IIUNAL |  |
|------|--------|--|
|      |        |  |
|      |        |  |

**PRACTICAL AND** 

ADJUSTABLE WAIST CORD



Steelite

**S**5

### FW74 EN ISO 20345 S5

- Adjustable waist and straps
- Stainless steel eyelets
- Kick spur
  - Colour coded red outsole for easy identifications of safety features

4-13

5-14

- 100% Waterproof to keep feet dry
- Pierce resistant steel midsole



PVC/Nitrile PVC/Nitrile Outsole: F06 Black 37-48

37-48



ADJUSTABLE STRAPS

STAINLESS STEEL EYELETS

| EURO  | UK   | USA  |
|-------|------|------|
| 37-47 | 4-12 | 5-13 |

|   |   | 0  |
|---|---|----|
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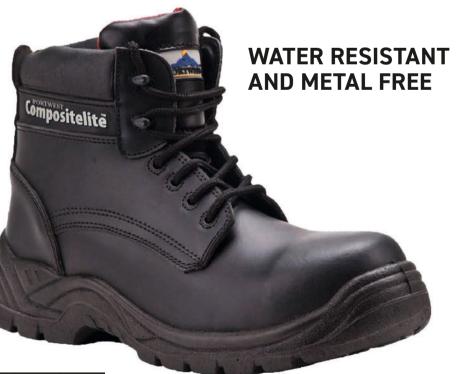


| EURO  | UK   | USA  |
|-------|------|------|
| 38-49 | 5-14 | 6-14 |









| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |

METAL FREE

D

Compositelitë



#### FC14 PORTWEST COMPOSITELITE **SAFETY SHOE S1P**

#### EN ISO 20345 S1P

Padded collar for added comfort

- · Composite toecap for added protection
- Pierce resistant composite midsole Full grain leather
- Energy Absorbing Seat Region
  - Water resistant upper to prevent water penetration

#### Split Leather PU/PU Outsole: F21 Black 36-48





### Compositelite



METAL FREE

#### FC10 PORTWEST COMPOSITELITE **SAFETY BOOT S1P**

#### EN ISO 20345 S1P

- Padded collar for added comfort
- Composite toecap for added protection
- Pierce resistant composite midsole
- Anti-static footwear
- Energy Absorbing Seat Region
- SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces

EURO

36-48

UK

UK

3-14

USA

4-15

#### Split Leather

#### PU/PU Outsole: F21 Black 36-49





### Compositelite



METAI FREE

METAI FREE

#### FC21 PORTWEST COMPOSITELITE

#### **SAFETY BOOT S1**

#### EN ISO 20345 S1

- Padded collar for added comfort
- Composite toecap for added protection
- Anti-static footwear
- Energy Absorbing Seat Region
- SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Fuel and oil resistant outsole

#### Split Leather PU/PU Outsole: F21 Black 36-49



| EURO  | UK   | USA  |
|-------|------|------|
| 36-49 | 3-14 | 4-15 |



### Steelite



12

#### FW43 STEELITE KUM0 SHOE S3

#### EN ISO 20345 S3

- Padded collar for added comfort
- Protective steel toecap
- Pierce resistant steel midsole
- Anti-static footwear
  - SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces

EURO

37-49

UK

4-14

USA

5-15

USA

4-16

UK

5-12

38-47

Water resistant upper to prevent water penetration

#### Buffalo Water-Resistant Leather > PU/PU Outsole: F56







### Steelite



#### FW23 STEELITE KUM0 B00T S3 EN ISO 20345 S3

- · Padded collar for added comfort
- Slip. fuel and oil resistant rubber outsole
- Protective steel toecap
- · Pierce resistant steel midsole
- Anti-static footwear
- · Water resistant upper to prevent water penetration

#### **Buffalo Water-Resistant Leather** PU/PU Outsole: F56 Black 36-50







### Steelite









10

- EN ISO 20345 S3 Premium leather upper .
- · Back pull-tab for ease of getting onto the foot
- Padded collar for added comfort Angled top line for better fit and leg flexibility
- Water resistant upper to prevent water penetration
- Pierce resistant steel midsole
- Full-Grain Leather PU/TPU Outsole: F02 Black 37-48





| EURO  | UK   | USA  |
|-------|------|------|
| 37-48 | 4-13 | 5-14 |

D

### Steelite



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#### FW03 STEELITE BOOT S3 EN ISO 20345 S3

- Back and front pull-tab for ease of getting onto the foot
   Padded collar for added comfort
- Padded collar for added comfol
   Protective steel toecap
- Pierce resistant steel midsole
- Water resistant upper to prevent water penetration
   Anti-static footwear

EURO

37-48

UK

4-13

#### Split Leather PU/PU Outsole: F13

### Black 37-48





### Steelitě

#### FW24 STEELITE KUMO BOOT SCUFF CAP S3 EN ISO 20345 S3 · Protective scuff cap Padded collar for added comfort Protective steel toecap Pierce resistant steel midsole Water resistant upper to prevent water penetration Anti-static footwear Split Leather > PU/PU Outsole: F57 Black 36-48 EURO UK USA 36-48 3-13 4-14

## Steelitě

|        | FW8                        |
|--------|----------------------------|
| S1P    | EN ISO                     |
|        | · Padde                    |
|        | <ul> <li>Bellow</li> </ul> |
| 12 C E | penet                      |
|        | <ul> <li>Prote</li> </ul>  |
|        | · Pierce                   |
| CÀ 🔊   | · Anti-s                   |
|        | · SRC -                    |
|        | and s                      |
|        |                            |
| A A    | $\simeq$                   |
|        | minimi x                   |
|        |                            |

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#### **185** STEELITE ULTRA SAFETY SHOE S1P

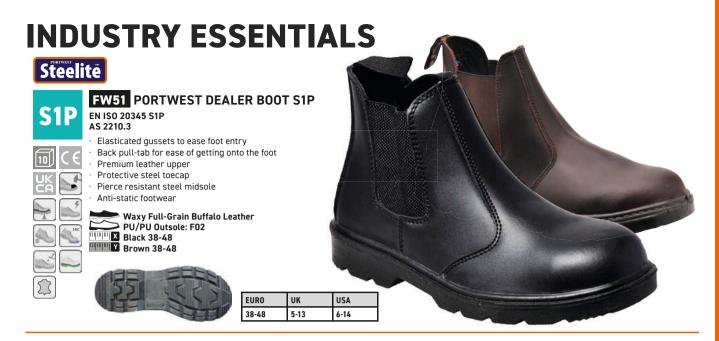
- EN ISO 20345 S1P
- Padded collar for added comfort
- Bellow tongue construction for better resistance to water penetration
- Protective steel toecap
- Pierce resistant steel midsole
- Anti-static footwear
  - RC Slip resistant outsole to prevent slips and trips on ceramic ind steel surfaces

#### Split Leather PU/PU Outsole: F04





| EURO  | UK   | USA  |
|-------|------|------|
| 38-48 | 5-13 | 6-14 |



## Steelitë



# Steelite



EURO

36-48

UK

3-13

4-14





### Steelite



G

- FW14 STEELITE PROTECTOR SHOE S1P EN ISO 20345 S1P ASTM F2413-18 · Padded collar for added comfort · Improved sole unit · Protective steel toecap
- Pierce resistant steel midsole
- SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces Anti-static footwear
- Split Leather PU/PU Outsole: F64 Black 35-52





| EURO  | UK   | USA  |
|-------|------|------|
| 35-52 | 2-17 | 3-18 |

# Steelitë



#### FW15 STEELITE SAFETY TRAINER S1

EN ISO 20345 S1

Padded collar for added comfort
Protective steel toecap

- Anti-static footwear
- · Energy Absorbing Seat Region
- $\mathsf{SRC}$   $\mathsf{Slip}$  resistant outsole to prevent slips and trips on ceramic and steel surfaces

UK

4-13

EURO

37-48

EURO

35-49

UK

2-14

Fuel and oil resistant outsole

Split Leather PU/PU Outsole: F12





### **Steelite**



### FW21 STEELITE SAFETY BOOT S1

EN ISO 20345 S1

Padded collar for added comfort

- Improved sole unit
- Protective steel toecap
- Anti-static footwear
- $\ensuremath{\mathsf{SRC}}$  Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces
- Energy Absorbing Seat Region

#### Split Leather

PU/PU Outsole: F64





## Steelitë



#### FW26 STEELITE AIR CUSHION

#### SAFETY SHOE SB

EN ISO 20345 SB

| t. | · | Cemented outsole construction  |
|----|---|--------------------------------|
|    | · | Padded collar for added comfor |

- Padded collar for added comfort Premium leather upper
- Protective steel toecap
- Energy Absorbing Seat Region
- $\ensuremath{\mathsf{SRA}}$  Slip resistant outsole to prevent slips and trips on ceramic surfaces

#### Buffalo Leather PVC/ Rubber Outsole: F09





| EURO  | UK   | USA  |
|-------|------|------|
| 39-47 | 6-12 | 7-13 |

# **EXECUTIVE SAFETY SHOES**





| EURO  | UK   | USA  |
|-------|------|------|
| 39-47 | 6-12 | 7-13 |





| EURO  | UK   | USA  |
|-------|------|------|
| 39-47 | 6-12 | 7-13 |

# **OCCUPATIONAL FOOTWEAR**



| EURO  | UK   | USA  |
|-------|------|------|
| 37-48 | 4-13 | 5-14 |



| EURO  | UK   | USA  |
|-------|------|------|
| 37-48 | 4-13 | 5-14 |
|       |      |      |



01

12

WORK SHOE 01 EN ISO 20347 01 · Padded collar for added comfort · Improved sole unit · Anti-static footwear · Energy Absorbing Seat Region SRC - Slip resistant outsole to

FW19

prevent slips and trips on ceramic and steel surfaces Fuel and oil resistant outsole

Split Leather Black 36-48

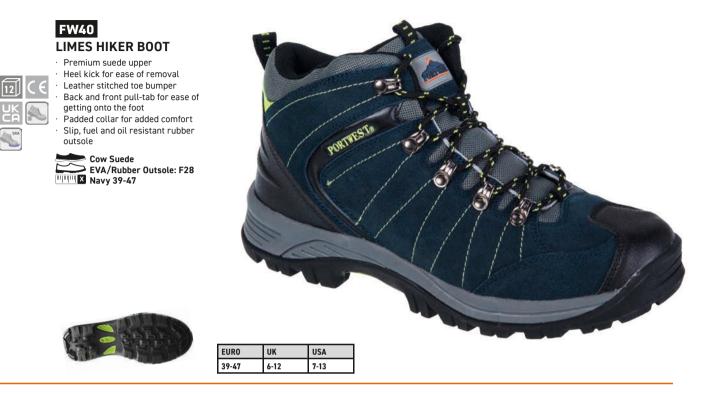




| EURO  | UK   | USA  |
|-------|------|------|
| 36-48 | 3-13 | 4-14 |

659

# **WORK FOOTWEAR**





J)

- to aid in high abrasion areas, performance and stability • Leather stitched toe bumper
- Phylon and Rubber outsole offering lightweight and durable performance.
- Back pull-tab for ease of getting onto the foot
- Lightweight and comfortable







| EURO  | UK   | USA  |
|-------|------|------|
| 39-47 | 6-12 | 7-13 |



# SOCKS

#### **Unisex Sock Range**

The unisex range of workwear socks come in a variety of styles and colour. Features include reinforced heels and toes for durability and a cushion sole area providing extra comfort and warmth.

#### 81:2010

A

#### Determination Of Whole Shoe Thermal Insulation Value And Cold Rating

A cold rating test to assess thermal performance. The item of footwear is tested on a heated artificial foot form and by monitoring the amount of energy required to maintain the foot temperature and the temperature of the foot and its surrounding environment, a range of minimum temperatures at which the footwear will feel comfortable according to the activity level of the wearer can be calculated. To test socks, a reference sample of footwear (FW11) is first tested with a reference sock and then with the somple sock (SK18) to assess the contribution made to the thermal performance of the footwear.

#### Table 1: TM436:2010 Cold Rating Test Results SK18

| FW11                   |           | Thermal Reference | SK18   |
|------------------------|-----------|-------------------|--------|
| R value                |           | 0.1909            | 0.2150 |
|                        | 4 W loss  | 6.48              | 4.78   |
| coldest<br>temperature | 8 W loss  | -7.03             | -10.45 |
| with                   | 12 W loss | -20.55            | -25.67 |



# SOCKS

# EXCEPTIONAL CARE FOR YOUR FEET



# **FOOTBEDS**

# CUSHION COMFORT ALL DAY LONG



0

# **FOOTWEAR ACCESSORIES**







#### FL02 STEELITE 150CM BOOTLACE

· 150cm length

· Retail bag which aids presentation for retail sales

300D Polyester Black One Size



Retail bag which aids presentation for retail sales

· Steel spikes

Rubber

Black L,XL

SAFETY IN TREACHEROUS CONDITIONS

# HAND PROTECTION THE COMPLETE HAND

JUL

PROTECTION SOLUTION

666

A newly expanded range of hand protection products caters for all work and safety needs. Only the best materials and manufacturing methods are used in the production of this extensive and highly specialised range.



PREMIUM CUT PROTECTION



DURABLE GRIP GLOVES



RETAIL PACKAGED



ARC FLASH PROTECTION



WELD 753

WELDING PROTECTION



**DISPOSABLE GLOVES** 



CHAINMAIL PROTECTION



GENERAL HANDLING PROTECTION



LIQUID BARRIER GLOVES

LINER 738

LINER GLOVES





CHEMICAL PROTECTION



IMPACT PROTECTION



VEND MACHINE READY



SPECIALIST HAND PROTECTION



MULTI PURPOSE WORK GLOVES



ELECTROSTATIC DISCHARGE PROTECTION



SAFE FOOD HANDLING

# HAND PROTECTION GUIDE **FIND THE RIGHT GLOVE FOR** THE JOB

Below is a guide to materials used and the performance factors associated. This will aid in decision making to secure the right hand protection for the job.

### GLOVE LINER TYPE



#### **KNITTED SEAMLESS**

Highly breathable and close fitting for good dexterity. The seamless liner avoids irritation offering improved comfort.



#### **SEWN & IMPREGNATED**

Available with several types of construction and assembly, mainly cut and sewn. Coating is bound to the fabric for good resistance to abrasion. Sewing and impregnation process allows the manufacturing of thin gloves, for enhanced dexterity.



#### COATED/DIPPED

Made by dipping a knitted or woven cloth liner into the glove compound - the liner supports the compound and adds strength. The compound used enhances the mechanical performance with different . compounds used for different conditions

### GLOVE LINER MATERIAL



HPPE High performance cut resistance, comfort and abrasion resistance



UHWPE Premium cut resistant, free from steel and glass fibres



GRAIN



LEATHER: SPLIT

POLYESTER Durability

NYION

elasticity

Stretch and



PARA-ARAMID

Cut and heat

resistance

Comfort and breathability

COTTON



### **DIPPING MATERIAL**



NEOPRENE Dry, wet and oil grip





TPR Impact Protection

NITRILE SANDY

Wet and dry grip. High abrasion

resistance



TPV

Impact Protection



NITRILE FOAM

Oil and wet grip

PII Good abrasion resistance. Dry grip

abrasion resistance



# **CHOOSING THE RIGHT GLOVE SIZE**

Т

#### HOW TO MEASURE:

Place your right hand on the diagram with the line between your thumb and index finger. The line closest to the right side of your hand indicates the best fitting glove size.

#### OR

Measure the circumference of your hand at the palm using a tape measure. The size chart above, top right, explains which size glove will fit you best.

| Λ  | KNITTING GAUGE<br>This symbol denotes the knitting gauge of the glove liner |    |   |   |          |      |    |  |
|----|-----------------------------------------------------------------------------|----|---|---|----------|------|----|--|
| -7 | 7                                                                           | 10 | Ð | B | <b>B</b> | 18   |    |  |
| 5  | HEAVY                                                                       |    |   |   |          | FINE | CI |  |



| GLOVE & HAND SIZE CHART AS PER STANDARD EN21240 |         |        |       |            |       |         |          |        |        |
|-------------------------------------------------|---------|--------|-------|------------|-------|---------|----------|--------|--------|
| Hand Size                                       | 5       | 6      | 7     | 8          | 9     | 10      | 11       | 12     | 13     |
| Palm Circumference (mm)                         | 127mm   | 152mm  | 178mm | 203mm      | 229mm | 254mm   | 279mm    | 304mm  | 329mm  |
| Hand Length (mm)                                | 148mm   | 160mm  | 171mm | 182mm      | 192mm | 204mm   | 215mm    | 227mm  | 237mm  |
| Minimal Glove Length (inches)                   | 8       | 8½     | 9     | <b>9</b> ½ | 9½-10 | 10-10½- | 10½-11   | 11½-12 | 12½    |
| Glove Size                                      | XXS / 5 | XS / 6 | S / 7 | М/8        | L / 9 | XL / 10 | XXL / 11 | 3XL/12 | 4XL/13 |
| Portwest Cuff Colour Code                       |         |        |       |            |       |         |          |        |        |



### **EUROPEAN HAND PROTECTION STANDARDS**

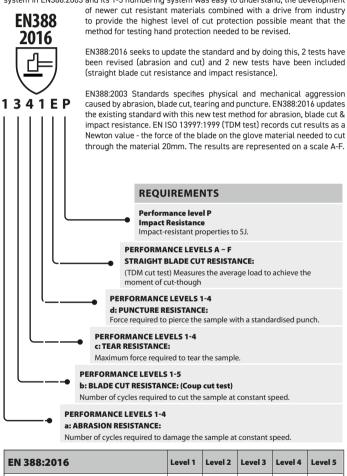
EN ISO 21420:2020 – Protective Gloves – General Requirements And Test Methods (Updated From En 420:2003+A1:2009) Under EN ISO 21420 this standard defines the general requirements for glove design and construction, sizing, dexterity, water vapour transmission and absorption, electrostatic

properties (in accordance with EN16350:2014) and innocuousness.

Innocuousness test now includes, pH (between 3.5 and 9.5), Chromium VI for leather products (less than 3mg/kg), nickel release for metallic components, azo colourants (less that 30mg/kg), dimethylformamide or DMFa in Polyurethane products (less than 1000mg/kg), Poly Aromatic Hydrocarbons or PAH (less than 1mg/kg). The innocuousness testing covers where applicable elements of regulations such as REACH (Regulation (EC) No 1907/2006) Annex XVII.

#### Protective Gloves Against Mechanical Risks - EN388:2016+A1:2018

Over recent years, changes in the manufacturing process of protective gloves has meant that the well established method of hand protection testing (EN388:2003), and in particular the test to assess protection against cuts has now been deemed no longer fit for purpose. Whilst the old system in EN388:2003 and its 1-5 numbering system was easy to understand, the development



| EN 388:2016                              | Level 1                                | Level 2 | Level 3 | Level 4 | Level 5 |         |
|------------------------------------------|----------------------------------------|---------|---------|---------|---------|---------|
| Abrasion resistance (number of cycles)   | Abrasion resistance (number of cycles) |         |         | 2,000   | 8,000   | -       |
| Blade cut resistance (index) Coup test m | nethod                                 | 1.2     | 2.5     | 5       | 10      | 20      |
| Tear resistance (N)                      |                                        | 10      | 25      | 50      | 75      | -       |
| Puncture resistance (N)                  |                                        | 20      | 60      | 100     | 150     | -       |
| EN ISO 13997:1999 TDM                    | Level A                                | Level B | Level C | Level D | Level E | Level F |
| Cut resistant test levels (N)            | 2                                      | 5       | 10      | 15      | 22      | 30      |



#### EN 1082 Parts 1 to 3: 1997 to 2000 Parts 1 to 3: Protective clothing.

Gloves and arm guards protecting against cuts and stabs by hand knives.

| EN407                       | Protective Gloves Against Thermal Risks (Heat<br>and/or Fire) EN 407: 2004<br>(AS/NZS 2161.4)<br>This standard specifies thermal performance for protective<br>gloves against heat and/or fire. The heat and flame pictogram is<br>accompanied by a 6 digit number. |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 1 2 1 2                   | REQUIREMENTS PERFORMANCE LEVELS 1-4                                                                                                                                                                                                                                 |
|                             | f: RESISTANCE TO A LARGE MELTING METAL SPRAY:<br>Amount of spray required to raise the glove to a certain<br>temperature.                                                                                                                                           |
|                             | PERFORMANCE LEVELS 1-4<br>e: RESISTANCE TO SMALL MELTING METAL SPRAY:<br>Amount of spray required to raise the glove to a certain<br>temperature.                                                                                                                   |
| d: RI                       | FORMANCE LEVELS 1-4<br>SISTANCE TO RADIATING HEAT:<br>a required to raise a given temperature level.                                                                                                                                                                |
| c: RESIST                   | MANCE LEVELS 1-4<br>TANCE TO CONVECTIVE HEAT:<br>ing which the glove is able to delay the transfer of heat of a flame.                                                                                                                                              |
| b: RESISTANO<br>Temperature | ICE LEVELS 1-4<br>CE TO CONTACT HEAT FOR 15 SECONDS:<br>(within the range of 100C to 500C) at which the person wearing the<br>t feel any pain (for a period of at least 15 seconds).                                                                                |
| Time during whic            | LEVELS 1-4<br>D FLAMMABILITY:<br>h the material remains lit and continues to be consumed after the<br>is been eliminated.                                                                                                                                           |

B: RESISTANCE TO CONTACT HEAT FOR 15 SECONDS:

|   | PERFORMANCE<br>LEVEL | CONTACT<br>TEMPERATURE<br>(°C) | THRESHOLD TIME<br>(Second) |
|---|----------------------|--------------------------------|----------------------------|
|   | 1                    | 100°C                          | ≥15s                       |
|   | 2                    | 250°C                          | ≥15s                       |
|   | 3                    | 350°C                          | ≥15s                       |
| - | 4                    | 500°C                          | ≥15s                       |

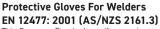


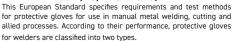
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#### EN 407:2020 – Glove Protective Against Thermal Risks

This standard was updated from the 2004 version in April 2020. Test 1 for resistance to flammability or burning behaviour has been amended to Limited Flame Spread, and covers the inclusion of oven gloves to be classed as PPE. If a glove is tested only for contact heat an alternative symbol is used to indicate protection against heat without flame. Gloves certified to the 2004 version of the standard do not need to change until the existing certificate expires.

#### EN12477





Type A: Lower dexterity (with higher other performance). Type B: Higher dexterity (with lower other performance).

### **EUROPEAN HAND PROTECTION STANDARDS**



#### Protective Gloves : Against Chemicals And Micro-Organisms EN ISO 374-1:2016 (AS/NZS 2161.10.1) Terminology and performance requirements for chemical risks. New to the standard - There are now 3 standard classes related

to the performance level and number of chemicals they protect against. There are  $\delta$  additional chemicals to test against. There is a requirement to test for degradation EN 374-4:2013. EN374-3:2003

is withdrawn and is replaced by EN 16523-12015. Gloves longer than 400mm will have to be additionally tested in the cuff area. The requirement for testing to EN388 has been removed. The "low chemical" or "Waterproof" beaker symbol has been withdrawn.







ISO 374-1:2016/Type A

UVWXYZ

| Code | Chemical              | Class                                 |
|------|-----------------------|---------------------------------------|
| А    | Methanol              | Primary alcohol                       |
| В    | Acetone               | Ketone                                |
| C    | Acetonitrile          | Nitrile compound                      |
| D    | Dichloromethane       | Chlorinated paraffin                  |
| E    | Carbon disulphide     | Sulphur containing organic compound   |
| F    | Toluene               | Aromatic hydrocarbon                  |
| G    | Diethylamine          | Amine                                 |
| н    | Tetrahydrofurane      | Hetero-cyclic and ether compound      |
| I    | Ethyl acetate         | Ester                                 |
| J    | n-Heptane             | Saturated hydrocarbon                 |
| К    | Sodium hydroxide 40%  | Inorganic base                        |
| L    | Sulphuric acid 96%    | Inorganic Mineral Acid                |
| М    | 65% Nitric Acid       | Inorganic mineral acid, oxidising     |
| N    | 99% Acetic Acid       | Organic acid                          |
| 0    | Ammonia hydroxide 25% | Organic acid                          |
| Р    | 30% Hydrogen peroxide | Peroxide                              |
| S    | 40% Hydofluoric acid  | Inorganic inerla acid, contact poison |
| т    | 37% Formaldehyde      | Aldehyde                              |

EN ISO 374-2:2014 Determination of resistance to penetration There are no major changes from EN374-2:2003



EN ISO 374-4:2013 Determination of resistance to degradation by chemicals (DR)

New to the standard – tests puncture resistance before and after exposure to a challenge chemical. The average of the performance will be recorded in the usersheet as a percentage (%).

Marking of gloves protecting against, bacteria and fungi

ISO 374-5:2016

EN ISO 374-5:2016 Terminology and performance requirements for micro-organisms risks Microorganisms are classed as bacteria, viruses or fungi. Gloves protecting against viruses must also pass ISO16604:2004.

EN 16523-1:2015 Determination of material resistance



Additional marking for Virus to permeation by chemicals. Permeation by liquid chemical under conditions of continuous contact. This test is similar to EN374-3 therefore gloves certified to EN374-3 do not need to be retested.

#### EN 16350:2014

#### **Protective Gloves: Electrostatic Properties**

This European standard specifies a test method for the electrostatic properties of gloves. The test improves on EN1149 as it requires a lower vertical resistance of less than 10 ohms. Gloves tested to EN16350:2014 can be used in areas where there may be an increased risk of explosion, such as in a refinery.

#### IEC 61340-5-1:2016

#### Protection of Electronic Devices from Electrostatic Phenomena: General Requirements

This standard specifies a test method for PPE products used in high sensitive areas where an electrostatic charge can potentially cause damage to delicate components such as electrical circuit boards and microchips.

All gloves in the Portwest ESD Glove collection have been tested to both standards.



#### Protective Gloves: Mechanical Vibration And Shock EN 10819: 1996 (AS/NZS 2161.3)

This European Standard specifies a method for the laboratory measurement, the data analysis and reporting of the vibration transmissibility of gloves in terms of vibration transmission from a handle to the palm of the hand in the frequency range from 31.5 Hz to 1250 Hz. The standard is intended to define a screening test for the vibration transmission through gloves.

#### EN455:2000 Medical glove Part 1: Requirement Part 2: Requirement

#### Medical gloves for single use Part 1: Requirements and testing for freedom

Part 1: Requirements and testing for freedom from holes Part 2: Requirements and testing for physical properties Part 3: Requirements and testing for biological evaluation Part 4: Requirements and testing for shelf life determination

#### CE foodsafe

European legislation with respect to Food Contact Materials (Directive EC1935/2004) requires that food contact materials shall not transfer their ingredients to food and must not modify the organoleptic properties (ie. colour, smell, texture and taste) of the food. Products intended for food contact shall be labelled as such.

#### EN511 Protective Gloves Against Cold EN 511:2006 (AS/NZS 2161.5)

The European Standard EN 511 specifies the requirements and test methods for gloves which protect against conductive cold down to -50 degrees Celsius. This cold can be linked to the climate conditions or an industrial activity.

#### 1 REQUIREMENTS

- PERFORMANCE LEVELS 0-1 c: WATER PENETRATION
- PERFORMANCE LEVELS 1-4 b: RESISTANCE TO CONTACT COLD

PERFORMANCE LEVELS 1-4 a: RESISTANCE TO CONVECTIVE COLD

#### Protective Gloves : For Users Of Hand Held

Chainsaws



**EN381** 

3 3

**EN 381-7: 1999** This European Standard specifies the requirements for gloves for resistance to cutting by a chainsaw when assessed by the test method described in EN381-4.

cutting by a chainsaw when assessed by the test method described in EN381-4. The requirements are also given for marking and for the provision of information to be supplied by the manufacturer including criteria for the selection of appropriate gloves and instructions for use.

| Class                     | 0     | 1     | 2     | 3     |     |
|---------------------------|-------|-------|-------|-------|-----|
| Maximum chain speed (m/s) | 16m/s | 20m/s | 24m/s | 28m/s | 671 |

**X** 

# **Hand Protection Standards Explained**



#### AS/NZS 2161 AUSTRALIA/STANDARDS NEW ZEALAND Occupational protective gloves:

This Standard sets out recommendations to achieve hand protection against hazards experienced in the workplace. It gives guidance on the following: selection, use, maintenance, the safe and hygienic practices to be followed in the decontamination/cleaning, storage and reissue of gloves to maintain the performance as appropriate.

| Australian Standards - Gloves | EN Standards Gloves |
|-------------------------------|---------------------|
| AS/NZS 2161.1                 | N/A                 |
| AS/NZS 2161.2                 | EN420               |
| AS/NZS 2161.3                 | EN388               |
| AS/NZS 2161.4                 | EN407               |
| AS/NZS 2161.5                 | EN511               |
| AS/NZS 2161.8                 | EN421               |
| AS/NZS 2161.9                 | EN ISO 10819        |
| AS/NZS 2161.10.1              | EN374-1             |
| AS/NZS 2161.10.2              | EN374-2             |
| AS/NZS 2161.10.3              | EN374-3             |



#### ANSI/ISEA-138

American National Standard for Performance and Classification for Impact-Resistant Gloves (ANSI/ISEA 138-2019)

This new standard provides an improved method of classifying impact protection to the back of the hand. The test is conducted by dropping a 5-joule mass on the impact points of the glove, recording the force transferred in kilonewtons (kN). This test is repeated eight times for the knuckles and ten times for the fingers. Gloves are classified based on test result average of the tests conducted. To classify as an ANSI/ISEA 138 level 1, 2, or 3, the average and all test results must be within the classification parameters.

| Classification for Impact Resistance |           |                 |
|--------------------------------------|-----------|-----------------|
| Performance Levels                   | Mean (kN) | All Impact (kN) |
| 1                                    | € 9       | < 11.3          |
| 2                                    | ₹ 6.5     | ∢ 8.1           |
| 3                                    | ≼ 4       | ≼5              |

#### ASTM F2675-13

#### Test Method For Determining Arc Ratings of Hand Protective Products Developed and Used for Electrical Arc Flash Protection.

This test method is used to measure and describe the properties of hand protective products in response to convective and radiant energy generated by an electric arc under controlled laboratory conditions. There are 4 levels in the Hazard Risk Category rated by the ATPV (Arc Thermal Performance Value).

| Hazard Risk Category | Minimum ATPV cal/cm2 |
|----------------------|----------------------|
| 0                    | n/a                  |
| 1                    | 4                    |
| 2                    | 8                    |
| 3                    | 25                   |
| 4                    | 40                   |

### ANSI/ISEA 105

#### American National Standard for Hand Protection

This standard addresses the classification and testing of hand protection for specific performance properties related to chemical and industrial applications. Hand protection includes gloves, mittens, partial gloves, or other items covering the hand or a portion of the hand that are intended to provide protection against or resistance to a specific hazard.

#### 5.1 Mechanical Protection 5.1.1 Cut Resistance

The new ASTM F2992-15 test replaces ASTM F1790-05 and ensures uniform testing plus increases the performance levels beyond the old level 5. The sample is cut 15 times by a straight edge blade, under load. A new blade is used for each cut. The data is then used to determine the required load to cut through the material and this in turns is equated to a cut level. The new levels are now prefixed with the letter A.

| Table 1 | Classification | for Cut | Resistance |
|---------|----------------|---------|------------|
|---------|----------------|---------|------------|

| Level | Load (grams) |
|-------|--------------|
| -     | <200         |
| A1    | 201-499      |
| A2    | 500-999      |
| A3    | 1000-1499    |
| A4    | 1500-2199    |
| A5    | 2200-2999    |
| A6    | 3000-3999    |
| A7    | 4000-4999    |
| A8    | 5000-5999    |
| A9    | >6000        |

#### 5.1.2 Puncture Resistance

When tested in accordance with Clause 6.4 of EN 388:2003 Protective gloves against mechanical risks, the gloves resistance against puncture shall be classified against the levels listed in Table 2, using the puncture force.

The average of a minimum of 12 specimens shall be used to report the classification level.

#### Table 2. Classification for Puncture Resistance

| Level | Table 2. Classification for Puncture Resistance<br>Level : Puncture (Newtons) |
|-------|-------------------------------------------------------------------------------|
| 0     | <10                                                                           |
| 1     | » 10                                                                          |
| 2     | » 20                                                                          |
| 3     | » 60                                                                          |
| 4     | ≥ 100                                                                         |
| 5     | » 150                                                                         |

#### 5.1.3 Abrasion Resistance

When tested in accordance with ASTM D3389-05, Standard Test Method for Coated Fabrics Abrasion Resistance or ASTM D3884-09, Standard Guide for Abrasion Resistance for Textile Fabrics (Rotary Platform, Double-Head Method), the gloves abrasion resistance shall be classified against the levels listed in Table 3 using the number of abrasion cycles to failure (test endpoint). These test methods shall be followed using H-18 abrasion wheels with a 500 gram load for levels 0 to 3 and a 1000 gramme load for levels 4 to 6. Using ASTM D3389-05 for coated glove fabrics or unsupported gloves, the end point at which the glove material is determined to fail shall be at the number of abrasion cycles just before the film or coating has a hole abraded through it. Using ASTM D3384-05 for coated glove fabrics, the end point shall be when the first thread or yarn is broken. The average of a minimum of 5 specimens shall be used to report the classification level.

#### Table 3. Classification for Abrasion Resistance

| Level (tested at 500g load) : | Abrasion cycles to fail |
|-------------------------------|-------------------------|
| 0                             | <100                    |
| 1                             | » 100                   |
| 2                             | ≥ 500                   |
| 3                             | » 1000                  |
| Level (tested at 1000g load)  |                         |
| 4                             | » 3000                  |
| 5                             | » 10,000                |
| 6                             | » 20,000                |

#### **5.2 Chemical Protection**

#### 5.2.1 Chemical Permeation Resistance

When tested in accordance with ASTM F739-07, Standard Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact the gloves chemical permeation shall be classified against the levels listed in Table 4 using the average standard breakthrough time (for each chemical tested). The average of a minimum of 3 specimens shall be used to report the classification level. In reporting permeation data for each chemical the permeation rate shall be reported in  $\mu g/cm^2$  min. It shall be permitted to report the cumulative permeation in g/cm2 that occurs within 1 hour of the test for each chemical.

#### Table 4. Classification for Chemical Permeation

| Level | Standard breakthrough time (minutes) |
|-------|--------------------------------------|
| 0     | <10                                  |
| 1     | » 10                                 |
| 2     | » <b>30</b>                          |
| 3     | » 60                                 |
| 4     | » 120                                |
| 5     | » 240                                |
| 6     | » <b>480</b>                         |



#### 5.4 Heat and Flame Protection 5.4.1 Ignition Resistance and Burning Behaviour (or AfterFlame Time)

When tested in accordance with ASTM F1358-08, Test Method for Effects of Flame Impingement on Materials Used in Protective Clothing Not Designated Primarily for Flame Protection, the glove materials ignition resistance and burning behaviour shall be classified against the levels listed in Table 6, using ignition time and burn time. In order to be classified at a specific level, the glove material shall meet each of the criteria at that specific level. The average of a minimum of 3 specimens shall be used to report the classified to level.

### Table 6. Classification for Ignition Resistance and Burning Resistance

| Level | Time Exposed to Flame (s)                            | After-Flame time (s) |
|-------|------------------------------------------------------|----------------------|
| 0     | 3                                                    | > 2                  |
| 1     | 3                                                    | €2                   |
| 2     | 12                                                   | >2                   |
| 3     | 12                                                   | € 2                  |
| 4     | no ignition in either 3 or 12 second exposure period |                      |

#### 5.4.3 Conductive Heat Resistance

When tested in accordance with ASTMF1060-08 Test Method for Thermal Protective Performance of Materials for Protective Clothing for Hot Surface Contact, the gloves conductive heat resistance shall be classified against the levels listed in Table 8. Classification of glove performance shall be based on the contact (surface) temperature at which both the time-to-second degree burn is equal to or greater than 15 seconds, and the alarm time is greater than 4 seconds.

The average of a minimum of 5 specimens shall be used to report the classification level.

#### Table 8. Classification for Conductive Heat Resistance

| Level | Highest contact temperature(°C) at which both time-to-2nd degree burn > 15 seconds and alarm time > 4 seconds |
|-------|---------------------------------------------------------------------------------------------------------------|
| 0     | < 80                                                                                                          |
| 1     | 80                                                                                                            |
| 2     | 140                                                                                                           |
| 3     | 200                                                                                                           |
| 4     | 260                                                                                                           |
| 5     | 320                                                                                                           |

#### 5.6 Dexterity

When tested in accordance with EN420:2003, Protective gloves- General requirements and test methods, clause 6.2, the dexterity shall be classified against the levels in Table 9, using smallest diameter of the pin that can be picked up. The average of 4 pairs of gloves shall be used to report the classification level.

#### Table 9. Classification of Dexterity

| Level | Smallest diameter of pin fulfilling test conditions (mm) |
|-------|----------------------------------------------------------|
| 1     | 11                                                       |
| 2     | 9.5                                                      |
| 3     | 8                                                        |
| 4     | 6.5                                                      |
| 5     | 5                                                        |

# THE ULTIMATE CHOICE FOR EXTREME DEXTERITY

Portwest offers a collection of lightweight styles that offer the wearer ultimate dexterity, flexibility and comfort when needed most.

### 18 GAUGE FOR EXCEPTIONAL DEXTERITY



CT32 6857 18.5 grams 0.78mm CUT C C GRIP GTOUCH



CT45 6977 28 grams 1.2mm



AP70 728 16 grams 0.8mm SILICONE FREE GRIP



A360 7287 9.5 grams 0.44mm ULTRA LIGHTWEIGHT



AP32 <sup>™4</sup>7 24.5 grams 0.8mm NITRILE FOAM ∠CUT B ₩GRIP



AP31 704 20 grams 0.64mm PU ∠CUT B & GRIP

**%**"

# FOR SAFE PREPARATION AND HANDLING OF FOOD



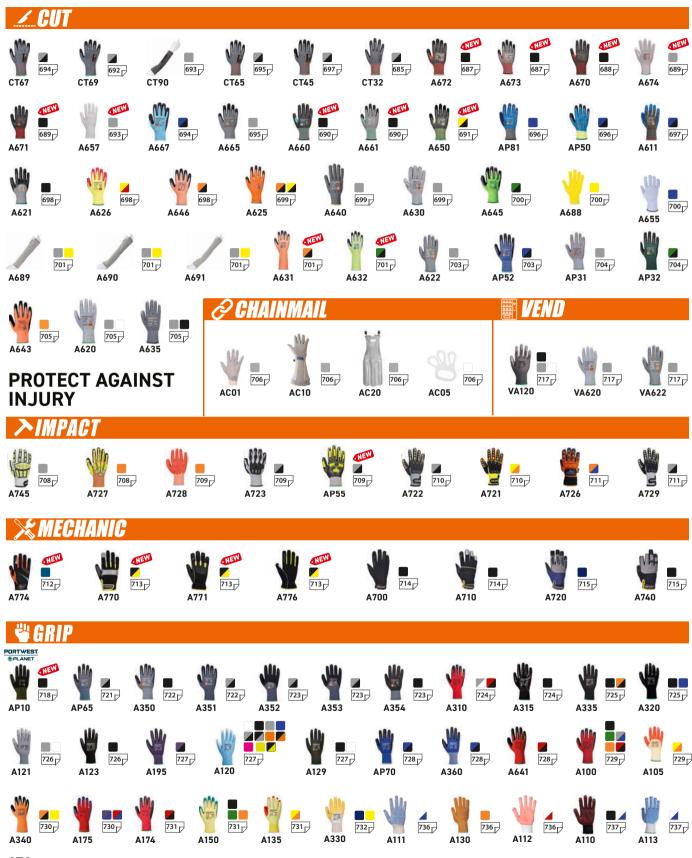
#### CE Foodsafe

European legislation with respect to Food Contact Materials (Directive EC1935/2004) requires that food contact materials shall not transfer their ingredients to food and must not modify the organoleptic properties (ie. colour, smell, texture and taste) of the food. Products intended for food contact shall be labelled as such.





# HAND PROTECTION THE COMPLETE HAND PROTECTION RANGE



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677

# FOR SAFE HANDLING OF SHARP OBJECTS



Hand injury is one of the most frequent types of accident reported in the working environment, with cuts and lacerations the biggest concern in this area. Portwest's range of cut resistant gloves gives varying degrees of protection depending on what level is required.

### **CUT PROTECTION SUITABLE FOR ALMOST EVERY TASK**

Portwest has over 50 styles of cut resistant gloves and sleeves to suit almost every task. Portwest continually work on bringing new and improved cut resistant styles to the market. Use the Portwest Cut Protection Selection Guide to help in selecting the best protection for your application.



- Protects hands against the risk of cut
- Multiple material gauges that offer high levels of dexterity
- Available in a range of coatings for grip in dry, wet and oily conditions

# **CUT PROTECTION SELECTION GUIDE**

### **Selecting the Correct Cut Protection**

In order to assist in selecting the best cut gloves to your application, Portwest suggest using this 3 step process:

| Step | 1. | Identify | v the | Hazard | & | Decide | on   | Risk | of  | Iniurv | , |
|------|----|----------|-------|--------|---|--------|------|------|-----|--------|---|
|      |    |          | ,     |        | - |        | •••• |      | ••• |        |   |

| HAZARD IDENTIFICATION   | FACTOR |
|-------------------------|--------|
| No Hazard               | 1      |
| Fully Controlled Hazard | 2      |
| Controlled Hazard       | 3      |
| Limited Control         | 4      |
| No Control              | 5      |

| RISK OF INJURY    | FACTOR |
|-------------------|--------|
| No Perceived Risk | 1      |
| Very Low Risk     | 2      |
| Low Risk          | 3      |
| Medium Risk       | 4      |
| High Risk         | 5      |
| Very High Risk    | 6      |

#### **Step 2. Calculate the Required Protection Levels**

Multiplying the Risk by the Hazard will provide a performance level (value) from which to base the required cut resistance. The value used for the new test method is Newton's, following this method will give an appropriate Newton value.

Using the two tables above, calculate the required minimum cut performance. e.g. High Risk (5) x Limited Control (4) = 20

The Performance Levels Explained table explains the performance levels (values).

#### **Performance Levels Explained**

| RISK   | CUT PERFORMANCE (NEWTONS) = (RISK X HAZARD) |    |    |    |    |  |  |  |
|--------|---------------------------------------------|----|----|----|----|--|--|--|
| 6      | 6                                           | 12 | 18 | 24 | 30 |  |  |  |
| 5      | 5                                           | 10 | 15 | 20 | 25 |  |  |  |
| 4      | 4                                           | 5  | 12 | 16 | 20 |  |  |  |
| 3      | 3                                           | 6  | 9  | 12 | 15 |  |  |  |
| 2      | 2                                           | 4  | 6  | 8  | 10 |  |  |  |
| 1      | 1                                           | 2  | 3  | 4  | 5  |  |  |  |
| Hazard | 1                                           | 2  | 3  | 4  | 5  |  |  |  |

#### Step 3. Find the Suitable Level of Cut Protection

Apply the performance level to the EN388:2016 levels below to find a suitable level of cut protection.

| LEVELS OF PERFORMANCE TO EN388:2016 |   |   |    |    |    |    |  |  |  |
|-------------------------------------|---|---|----|----|----|----|--|--|--|
| CUT LEVEL                           | А | В | С  | D  | Е  | F  |  |  |  |
| CUT LEVEL<br>(Newtons)              | 2 | 5 | 10 | 15 | 22 | 30 |  |  |  |

Gloves are tested to a minimum performance level so if you are unsure of the required level of cut protection choose the next level up. For example, if your assessment suggests 12 Newtons then perhaps choose a level D glove.





# **NO STEEL AND GLASS FIBRES**

# AN UNRIVALLED COLLECTION OF UNIQUELY COMFORTABLE ULTRA-LIGHT AND BREATHABLE CUT PROTECTION.

The CT Series collection of cut resistant gloves is unlike any other offering on the market. Using innovative fabrics and production techniques, these gloves are uniquely comfortable, ultra-light, breathable and flexible.



# DyUltra is a new cut resistant material developed to provide the highest level of abrasion resistance in the market, higher than Para-Aramids.

This low weight fabric offers superior comfort whilst capable of providing cut protection beyond EN388:2016 Level F. It comprises high grade ultra-high molecular weight polyethylene (UHMWPE) materials which are 15 times stronger than steel. Flexible and comfortable to wear, it does not absorb moisture or lose its shape or performance even after 10 washes.



### **NO STEEL AND GLASS FIBRE**

The CT Series collection is free from glass and steel fibres, ensuring they can be worn over long periods without skin irritation, these gloves are OEKO-TEX® certified for maximum skin-friendliness.



### **RETAINS CUT RESISTANCE UP TO 10 WASHES**

Our innovative fabric construction ensures cut resistance levels are retained for up to 10 washes, as independently tested.



#### FULL RANGE OF CUT AND DEXTERITY LEVELS

This premium offering is certified to EN388:2016 and available in cut levels from level C to level F, and a range of gauges 7,13,15 and 18. Under the American ANSI standard, cut levels range from A3 to A8.





# CT67

CT AHR13 NITRILE FOAM CUT GLOVE EN ISO 21420 DEXTERITY 5

#### EN388:2016 +A1:2018 - 4X43F ANSI/ISEA 105: 2016 CUT LEVEL A6

- · Level F cut resistance
- · 13 gauge liner for a perfect fit
- Free from glass and steel fibres
- Nitrile foam coating for excellent grip in wet and dry conditions
- Retains cut performance level for up to 10 washes
- · Breathable seamless liner

UHWPE, Nitrile Foam

# **TOP SELLER**







144

### CT69 CT AHR7 NITRILE FOAM CUT GLOVE

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X43F ANSI/ISEA 105: 2016 CUT LEVEL A8

- · Level F cut resistance
- · Robust 7 gauge liner
- · Free from glass and steel fibres
- Retains cut performance level for up to 10 washes
- $\cdot \,$  Nitrile foam coating for excellent grip in wet and dry conditions
- · Breathable seamless liner

UHWPE, Nitrile Foam

### EXCEPTIONAL CUT PERFORMANCE



X"



# CT

144

### CT90 CT AHR7 CUT SLEEVE

EN ISO 21420 EN388:2016 +A1:2018 - 3X4XF ANSI/ISEA 105: 2016 CUT LEVEL A8

· Level F cut resistance

- · Robust 7 gauge liner
- 14 inch (35cm) cut resistant protective tubular sleeve
- Free from glass and steel fibres
   Retains cut performance level for up to 10
- washes • Sold in singles
- UHWPE



# OFFERS THE HIGHEST LEVEL OF CUT PROTECTION

PORTWEST : CT90

**SOLD IN SINGLES** 





### СТ65

CT VHR15 NITRILE FOAM CUT GLOVE

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X43E ANSI/ISEA 105: 2016 CUT LEVEL A5

- · Level E cut resistance
- · 15 gauge liner for extra dexterity
- Free from glass and steel fibres
- Nitrile foam coating for excellent grip in wet and dry conditions
- Retains cut performance level for up to 10 washes
- · Breathable seamless liner

UHWPE, Nitrile Foam

### ENHANCED GRIP WITH EXCELLENT DEXTERITY





### 44 CT45

CT HR18 NITRILE FOAM CUT GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X42D ANSI/ISEA 105: 2016 CUT LEVEL A4

· Level D cut resistance

- 18 gauge liner for extra dexterity
- Free from glass and steel fibres
- Nitrile foam coating for excellent grip in wet and dry conditions
- Retains cut performance level for up to 10
   washes
- Breathable seamless liner
- UHWPE, Nitrile Foam

### 18 GAUGE FOR EXCEPTIONAL DEXTERITY







# CTSERIES

 144
 CT32

 LKA
 CT MR

 UKA
 EN ISO 21

 EN ISO 21
 EN 388:20

 ANSI/ISE
 ANSI/ISE

 Image: State State

CT MR18 MICRO FOAM NITRILE CUT GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 + A1:2018 - 4X31C ANSI/ISEA 105: 2016 CUT LEVEL A3

 $\cdot \;$  Level C cut resistance

- $\cdot$  18 gauge liner for extra dexterity
- Free from glass and steel fibres
- Retains cut performance level for up to 10 washes
- Reinforced thumb crotch for extra protection and durability
- Designed specifically for touchscreen devices

UHWPE, Nitrile Micro Foam

### THIN PALM FOR HIGH DEXTERITY











# HIGH LEVEL CUT RESISTANCE

Introducing the CS Series cut resistant hand protection collection. Packed with features such as touchscreen compatibility, reinforced thumb crotch and reflective labels for improved visibility in low light conditions.

The CS Series collection is designed to provide the highest level of cut resistance whilst allowing the wearer to carry out tasks, safely and securely. This collection of eight gloves suit almost every working environment. Including, an 18 gauge option for the highest dexterity, latex coated option for optimal grip, a leather palm option for supreme heat protection. CS Series ensures maximum safety, when needed most.

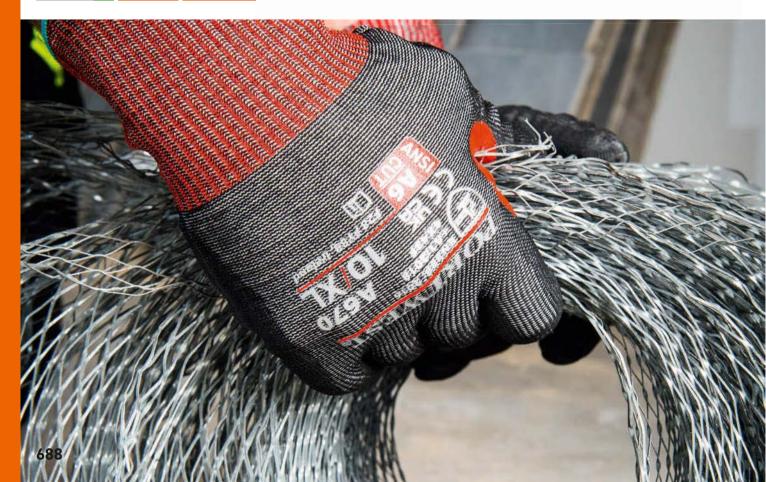


- Reinforced thumb crotch for extra protection and durability
- **High level cut resistance**
- **Touchscreen Compatible**

















**%** 



# CSSERIES

A650 CS VHR15 NITRILE FOAM CUT GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 4X44E

EN388:2016 +A1:2018 4X44E ANSI/ISEA 105: 2016 CUT LEVEL A5

#### $\cdot \;$ Level E cut resistance

- 15 gauge liner for extra dexterity
- Nitrile foam coating for excellent grip in wet
- and dry conditions
  Reinforced thumb crotch for extra protection and durability
- This glove can be used with most mobile touchscreen devices
- Excellent durability and grip in wet and dry conditions

HPPE, Nylon, Polyester, Elastane, Steel Fibre, Nitrile Foam







# 

# **CUT PROTECTION**

Hand injury is one of the most frequent types of accident reported in the working environment, with cuts and lacerations the biggest concern in this area. Portwest's range of cut resistant gloves gives varying degrees of protection depending on what level is required.

# CTSERIES

## 44 CT69

CT AHR7 NITRILE FOAM CUT GLOVE

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X43F ANSI/ISEA 105: 2016 CUT LEVEL A8

- · Level F cut resistance
- · Robust 7 gauge liner
- Free from glass and steel fibres
   Retains cut performance level for up to 10
- washes Nitrile foam coating for excellent grip in wet and dry conditions
- Breathable seamless liner
- UHWPE, Nitrile Foam





X"





# SOLD IN SINGLES





X'





PORTWEST

EN388: 2016 +A1:2018 4X43F A667

CUT F28 FY88, Ireland

9/L

CER



EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X43F ANSI/ISEA 105: 2016 CUT LEVEL A7

- · Level F cut resistance
- Seamless 13 gauge liner
- Maximum cut resistance according to EN388:2016
- Excellent durability and grip in wet and dry conditions
- · Breathable seamless liner
- Designed to be worn in a tough work environment

HPPE, Steel Fibre, Glass Fibre, Nitrile Sandy

### HIGHEST LEVEL OF CUT RESISTANCE

EN 388 ANSI/ ISEA 4X43F 105: 2016



X"







F

- · Level E cut resistance
- Seamless 13 gauge liner
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · Protects against cuts and abrasion
- · Retail tag which aids presentation for retail sales
- HDPE, Stainless Steel, Glass Fibre, Nitrile Foam Grey S/7-XXL/11

## PALM DIPPED FOR **EXTRA DEXTERITY**



PORTWEST

A6

A12018 A665

FZE FYEE, Irela I

9/1





HPPE, Glass Fibre, Nitrile, Nitrile Foam Blue/Black S/7-XXL/11

🖑 GRIP

### **OIL AND WATER** RESISTANT

🖌 CUT 🔽 🕼 AOUA 🛛

**%** 





THIN PALM FOR HIGH

DEXTERITY

ISEA 4X42D 105: 2016 **GRIP** <u> Cut</u> D





**KEEP YOUR** 

**GRIP** 

HANDS WARM

HPPE, Acrylic, Nitrile Sandy Orange/Black S/7-3XL/12

EN 388

Þ

4X43D



- $\cdot$   $\,$  Designed for tasks that require reinforced abrasion resistance
- · Retail tag which aids presentation for retail sales

HPPE, Glass Fibre, Chrome Leather



### PROTECTS HANDS FROM HOT SURFACES



700

**N** 

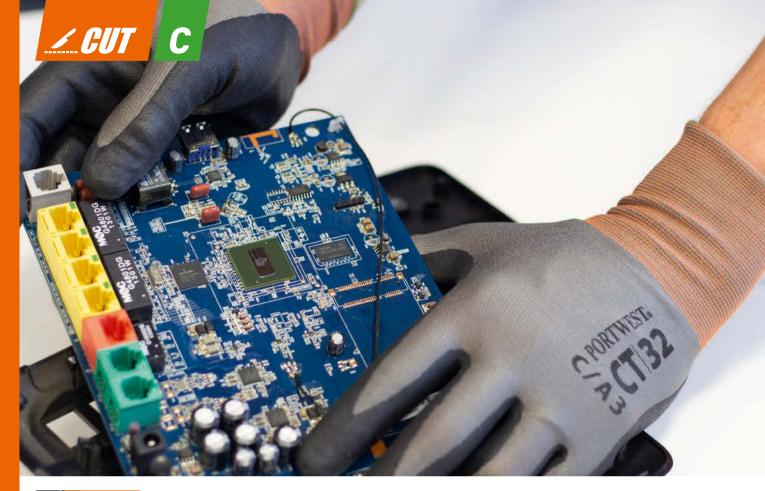








NEW



# CTSERIES



### CT MR18 MICRO FOAM NITRILE CUT GLOVE

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X31C ANSI/ISEA 105: 2016 CUT LEVEL A3

- · Level C cut resistance
- $\cdot$   $\,$  18 gauge liner for extra dexterity
- Free from glass and steel fibres
  Retains cut performance level for up to 10
- washes • Reinforced thumb crotch for extra protection and durability
- Designed specifically for touchscreen devices
- UHWPE, Nitrile Micro Foam

# EXCEPTIONAL DEXTERITY





\*









### **18 GAUGE FOR EXCEPTIONAL** DEXTERITY







- · 18 gauge liner for extra dexterity · Reinforced thumb crotch for extra
- protection and durability
- · Sandy finish for exceptional grip in water, grease or oil
- Excellent for jobs requiring high dexterity · OEKO-TEX® approved
- HPPE, Nitrile, Nitrile Sandy Black/Grey S/7-XXL/11

# **EXTRA DEXTERITY**



**%**"

PORTWEST EN388 2014 A112018 AP32 CEL 9/L

F28 FYRS, Ireland 



EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X42B ANSI/ISEA 105: 2016 CUT LEVEL A2 · Level B cut resistance · 13 gauge liner for a perfect fit · Machine washable Suited for food processing plants and resistant to greases, animal fats and oils · Nitrile foam coating for excellent grip in wet and dry conditions · Palm dipped to increase dexterity and ventilation 1 HPPE, Polyester, Elastane, Nitrile Foam Amber S/7-XXL/11 EN 388 ANSI/ (f ISEA 105: 2016 4X42B B 🖓 FOODSAFE | 🗳 GRIP CUT A620 LR CUT PU PALM GLOVE 144

PORTWEST

CEN 91

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X41B EN 407 X1XXXX ANSI/ISEA 105: 2016 CUT LEVEL A2

Level B cut resistance
 13 gauge liner for a perfect fit

- Smooth PU coating for increased abrasion resistance
- Palm dipped to increase dexterity and ventilation
- Low risk cut protection
- Breathable seamless liner

HPPE, PU Grey XS/6-3XL/12, White XS/6-XL/10

| EN 388 | EN 407 | ANSI/<br>ISEA<br>105: 2016 |          |
|--------|--------|----------------------------|----------|
| 🖌 CU   | ΤΒ     | by HEAT                    | 🛛 🖑 GRIP |







PORTWEST PORTWEST A635 C E 出 9 L Port Mal Annual

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(ESC)









# PROVIDES VITAL PROTECTION AGAINST ACCIDENTAL IMPACT



Hand injury is one of the most common and frequent complaints in the workplace. This collection of gloves provides vital protection against impact to the hand from multiple hazards.

# **DESIGNED FOR THE TOUGHEST ENVIRONMENTS**

The latest development in glove technology, this collection of specially designed gloves provide protection to hands from impact hazards. Portwest impact protection gloves utilise the latest research in materials technology in order to absorb a maximum amount of force from impacts.



IMPACT PROTECTION STYLES

- Designed to protect against impact injury
- Reinforced finger and knuckle area for increased impact protection
- Constructed for use in the toughest environments







# **NOW IN SIZE MEDIUM**



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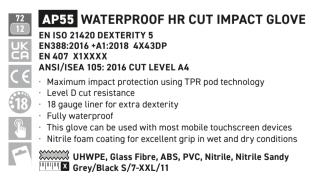
### A723 TPV IMPACT CUT GLOVE

EN ISO 21420 DEXTERITY 4 EN388:2016 +A1:2018 - 4X43CP

- · Innovative TPV material for supreme impact protection
- · Level C cut resistance
- $\cdot$  13 gauge liner for a perfect fit
- Reinforced padded palms
- Flexible sandy nitrile coating offers great grip in wet and dry conditions
   Breathable seamless liner

TPV, HDPE, Nitrile Foam

























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144

EN 388 2121X







# **ENHANCED GRIPPING AND GREATER** WEARER SAFETY



The general handling and grip glove category is one of the most popular collections within the Portwest hand protection range. A carefully selected range of coatings, including latex, nitrile, polyurethane and PVC, provides a broad range of styles suited to a diverse range of tasks.

# **GRIP GLOVE SELECTION GUIDE**

When selecting the right glove, many factors must be taken into consideration such as the environment you're working in, the amount of dexterity required and whether you're working in wet or dry conditions. This two-step guide will help you in selecting the appropriate glove for your application.

#### Step 1. Find the suitable glove coating for your application

Step 2. Select the material gauge based on durability and dexterity required for your application. Т

| The gauge of the material can | affect the durability | and the dexterity. |
|-------------------------------|-----------------------|--------------------|
|-------------------------------|-----------------------|--------------------|

| APPLICATION            | COATING                                  |
|------------------------|------------------------------------------|
| Wet, Oily Conditions   | Fully coated, or liquid repellent gloves |
| Oil                    | Nitrile based coatings                   |
| Water / Dry Conditions | Latex Coating                            |
| High Dexterity         | PU Coating                               |
|                        |                                          |



A lower gauge will offer improved durability with reduced dexterity

A higher gauge has improved dexterity with reduced durability



# THE VEND READY PACKAGING SOLUTION

- Save time and money
- Improve usage monitoring and control
- Improve inventory management
- Improve restocking inefficiencies
- Build your brand with customised packaging



VA120 VENDING PU PALM

EN ISO 21420 DEXTERITY 5

EN388:2016 +A1:2018 - 3131X

Polyester, Elastic, PU

ANSI/ISEA 105: 2016 CUT LEVEL A1

XXL/11, White XS/6-XXL/11

**VENDING STYLES** 

GLOVE

PURTWESS Solid Sol



EN388:2016 +A1:2018 - 4X41B EN 407 X1XXXX ANSI/ISEA 105: 2016 CUT LEVEL A2



EN 407 X1XXXX ANSI/ISEA 105: 2016 CUT L HPPE, PU





VA622 VENDING MR CUT PU PALM GLOVE

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4X43C EN 407 X1XXXX ANSI/ISEA 105: 2016 CUT LEVEL A3

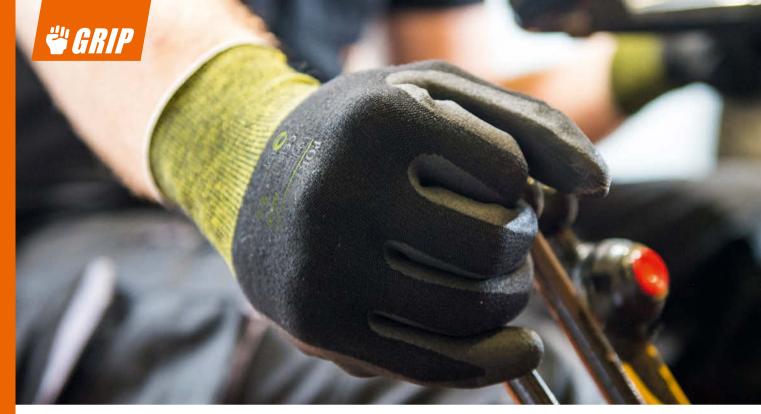
HPPE, Elastane, Glass Fibre, Elastic, Polyester, PU Grey XS/6-3XL/12



# THE RETAIL PACKAGING SOLUTION

- Aids presentation in retail store
- Increases brand presence and helps to maximise sales
- Improves restocking inefficiencies
- Keeps the product clean and presentable

TO SEE A FULL INDEX OF OUR 397 RETAIL READY PRODUCTS SEE PAGE 843.



NEW

## SUSTAINABLE BAMBOO LINER



#### AP10 NPR15 FOAM NITRILE BAMBOO GLOVE - 12 PACK EN ISO 21420 DEXTERITY 5

- EN388:2016 +A1:2018 4121X

  Made using a sustainable bamboo liner
- 15 gauge liner for extra dexterity
   Nitrile foam coating for excellent grip in wet and dry conditions
- in wet and dry conditions
  Excellent durability and grip in wet and dry conditions
- Palm dipped to increase dexterity and ventilation
- Retail tag which aids presentation for retail sales
- Bamboo, Nylon, Nitrile Foam

## SUSTAINABLY MADE

EN 388 4121X CRIP 718

**N** 

# PORTWEST.

PORTWEST.

SF28 FY88, Ireland

CER

\* AP10

9/L



ISEA 105: 2016

👑 GRIP NANO





#### AP80 LIQUID PRO GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4131X ANSI/ISEA 105: 2016 CUT LEVEL A1 CA · Liquid Pro offers maximum liquid protection · Latex foam coating for excellent grip in wet and dry conditions · Dual latex coating for additional protection in tough conditions · 13 gauge liner for a perfect fit · Lightweight and comfortable Elasticated cuffs for a secure fit Nylon, Latex, Latex Foam Blue S/7-XXL/11 EN 388 ANSI/





EN388:2016 +A1:2018 - 4121X ANSI/ISEA 105: 2016 CUT LEVEL A1

· Fully coated for maximum liquid protection

- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Superb abrasion and tear resistance
- · 13 gauge liner for a perfect fit
- · Lightweight and comfortable · Elasticated cuffs for a secure fit

Nylon, Nitrile, Nitrile Foam Orange/Black S/7-XXL/11



216

720

#### AP01 THERMO PRO GLOVE

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 2132X EN 511 X3X ANSI/ISEA 105: 2016 CUT LEVEL A3

- · Fully coated for maximum liquid protection
- · Specially designed for use in cold conditions
- 13 gauge liner for a perfect fit
- · Latex foam coating for excellent grip in wet and dry conditions
- Superb abrasion and tear resistance
- · Ergonomic design to reduce hand fatigue

Brushed Acrylic, Latex, Latex Foam Blue/Black S/7-XXL/11



## **KEEP YOUR HANDS WARM**

PORTWEST

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IS A1

PORTWEST

91

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A 204

CERATO

KEN

91L



# TEXPELMICRO

Sam

Texpel Micro<sup>™</sup> is a unique technology that inhibits the spread and growth of harmful microbes such as bacteria. funai. spores and viruses. This treatment has been independently tested and proven to reduce the spread of Coronavirus by 97%.

## REDUCES THE SPREAD OF CORONAVIRUS BY 97%\*



NPR PRO NITRILE FOAM EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4131A ANSI/ISEA 105: 2016 CUT LEVEL A1

- Nitrile foam coating for excellent grip in wet and dry conditions
- Anti-microbial finish helps keep your gloves fresh and dry
- 15 gauge liner for extra dexterity
  Breathable seamless lining ideal for
- precision handling in dry environments • OEKO-TEX® approved
- Retail tag which aids presentation for retail sales
- Nylon, Elastane, Nitrile Foam







360



PORTWEST N388: 2014 A1:2018 <u>d</u>-A350 91 5 A1 F28 FY88, Ireland

CUT II

EN 388 ANSI/ 4131X ISEA 105: 2016 🖑 GRIP



X"

🖑 GRIP 722





A352 DERMIFLEX ULTRA GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4131X ANSI/ISEA 105: 2016 CUT LEVEL A1

 $\cdot$  Nitrile foam coating for excellent grip in wet and dry conditions

- $\cdot$  3/4 dipped for increased protection
- 15 gauge liner for extra dexterity
- · Breathable seamless liner
- Low linting construction for minimal contamination
   Lightweight and comfortable

## Nylon, Elastane, Nitrile Foam





#### A353 DERMIFLEX ULTRA PLUS GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4131X

- · Nitrile foam coating for excellent grip in wet and dry conditions
- · 3/4 dipped for increased protection
- Nitrile dotted palm for enhanced grip
- 15 gauge liner for extra dexterity
- · Low linting construction for minimal contamination
- · Breathable seamless liner

Nylon, Elastane, Elastic, Nitrile Foam







# A354 DERMIFLEX ULTRA PRO GLOVE - NITRILE

#### EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4131X

- · Nitrile foam coating for excellent grip in wet and dry conditions
- · 3/4 dipped for increased protection
- $\cdot$  15 gauge liner for extra dexterity
- · Breathable seamless liner
- $\cdot \;$  Superior strength and comfort
- · Low linting construction for minimal contamination
- Nylon, Elastane, Nitrile Foam





N



## RETAIL PACKAGING OPTION AVAILABLE





#### A315 ALL-FLEX GRIP GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 3121X ANSI/ISEA 105: 2016 ABRASION LEVEL 1

- · Fully coated for maximum liquid protection
- 13 gauge liner for a perfect fit
- Oil and water resistant
- Inner elasticated cuff
- Lightweight and comfortable
   Low linting construction for minimal contamination

Polyester, Nitrile

## FULLY COATED FOR ENHANCED LIQUID PROTECTION

EN 388 ANSI/ ISEA 3121X 105: 2016







288





## **DEXTI-GRIP GLOVE**

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 2121X ANSI/ISEA 105: 2016 CUT LEVEL A1

- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · 13 gauge liner for a perfect fit
- · Breathable seamless liner
- · Perfect for intricate tasks
- · Superb abrasion and tear resistance
- Polyester, Nitrile Foam Black S/7-XXL/11, Blue S/7-XXL/11

A320 9 L

## **NITRILE FOAM COATING FOR IMPROVED GRIP**

EN 388 ANSI/ (<u>Ŀ</u>) ISEA 2121X 105: 2016 🖑 GRIP

PORTWEST A320 CEW 9/L SA1



#### A121 PU FINGERTIP GLOVE

CE CAT 1

ČÂ

- · Smooth PU coating for increased abrasion resistance
- · Fingertip dipped for precision handling and maximum ventilation
- · Seamless 13 gauge liner
- · Breathable seamless liner
- · Low linting construction for minimal contamination
- · Perfect for intricate tasks

Pylon, PU Grey XS/6-XL/10



🖑 GRIP |



A123 PU PALM GLOVE LATEX **FREE - FULL CARTON (144)** EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 3131X

ANSI/ISEA 105: 2016 CUT LEVEL A1

· 100% latex free · Smooth PU coating for increased abrasion resistance

- · 13 gauge liner for a perfect fit
- · Breathable seamless liner
- · Perfect for intricate tasks
- · This product is sold in carton gty's

Polyester, PU Black XXS/5-XXL/11

## **RETAIL PACKAGING OPTION AVAILABLE**

X"

A128 PU PALM GLOVE LATEX FREE (RETAIL PACK)

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 3131X ANSI/ISEA 105: 2016 CUT LEVEL A1

· Retail tag which aids presentation for retail sales

Polyester, PU Black XXS/5-XXL/11



105: 2016 🖑 GRIP

# **ALLERGEN RISK**

LATEX FREE FOR REDUCED



91L



UK

#### A195 TOUCHSCREEN - PU EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 2121X ANSI/ISEA 105: 2016 CUT LEVEL A1

NSI/ISEA 103. 2010 COT LEVEL AT

- This glove can be used with most mobile touchscreen devices
   Seamless 13 gauge liner
- $\cdot$  Smooth PU coating for increased abrasion resistance
- $\cdot$  For use in electronics assembly, testing and precision work
- · Breathable seamless liner

· Perfect for intricate tasks

Polyester, PU

IDEAL FOR USE WITH TOUCHSCREEN DEVICES .

0



#### A120 PU PALM GLOVE

EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 3131X ANSI/ISEA 105: 2016 CUT LEVEL A1

- Smooth PU coating for increased abrasion resistance
- Palm dipped to increase dexterity and ventilation
- 13 gauge liner for a perfect fit
- · Maximum dexterity
- · Perfect for intricate tasks
- · Superb abrasion and tear resistance

Polyester, Elastic, PU

Grey XS/6-XXL/11 Blue XS/6-XXL/11

Grey/Black XS/6-XXL/11 Black/Grey XS/6-XXL/11 Orange XS/6-XXL/11 Orange/Black XS/6-XXL/11 Pink XS/6-L/9 Yellow XS/6-XXL/11 Yellow/Black XS/6-XXL/11



100%

#### PU PALM GLOVE - FULL CARTON (480) EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 3131X ANSI/ISEA 105: 2016 CUT LEVEL 1

Sold in cartons of 480 pairs

Polyester, Elastic, PU



VEND READY OPTION AVAILABLE SEE PAGE PORTWEST Missie 2016 Missie 2







🖑 GRIP 728





- · Latex foam coating for excellent grip in wet and dry conditions
- · Crinkle latex grip offers excellent grip
- · Tough 10 gauge liner
- · Breathable seamless liner
- · Premium quality work glove
- · Open back for breathability

Polyester, Cotton, Latex Grey/Blue S/7-XXL/11, Green M/8-XXL/11, Black M/8-XXL/11, Orange S/7-XXL/11, Red/Black M/8-XXL/11



#### A109 GRIP GLOVE (RETAIL PACK)

EN ISO 21420 DEXTERITY 4 EN388:2016 +A1:2018 - 2143A ANSI/ISEA 105: 2016 CUT LEVEL A1

Polyester, Cotton, Latex Orange M/8-XL/10

## **RETAIL PACKAGING OPTION AVAILABLE**





## A105 GRIP XTRA GLOVE

#### EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 3143X

· Latex foam coating for excellent grip in wet and dry conditions

A109

- · Tough 10 gauge liner
  - 3/4 dipped for increased protection
- · Breathable seamless liner
- · Crinkle latex grip offers excellent grip · Open back for breathability
- Polyester, Cotton, Latex Yellow/Orange L/9-XXL/11









PORTWES

CES 4



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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <ul> <li>A150 CLASSIC GRIP GLOVE - LATEX</li> <li>EN 180 21420 DEXTERITY 5<br/>EN388:2016 + A1:2018 - 2121X<br/>ANSI/SEA 105: 2016 CUT LEVEL A1</li> <li>Crinkle latex grip offers excellent grip</li> <li>10ugh 10 gauge liner</li> <li>10ugh 10 gauge liner</li> <li>Knitted cuff for comfort and warmth</li> <li>Patm dipped to increase dexterity and ventilation</li> <li>Breathable seamless liner</li> <li>Made using recycled polyester</li> <li>Polyester, Cotton, Latex</li> <li>Polyester, Cotton, Latex</li> <li>Green M/8-XXL/11, Black M/8-XXL/11, Orange S/7-XXL/11</li> </ul> | PORTWEST<br>PORTWEST<br>PORTWEST<br>PORTWEST<br>A150<br>CEW<br>9L<br>WAT<br>PORTRE HARN |
| <ul> <li>A135 TOUGH GRIP GLOVE</li> <li>EN ISO 21420 DEXTERITY 5<br/>EN388:2016 + A1:2018 - 3131X</li> <li>Latex dipped for maximum grip</li> <li>Latex dipped for maximum grip</li> <li>Textured pattern for enhanced grip</li> <li>Tough 10 gauge liner</li> <li>Breathable seamless liner</li> <li>Low linting construction for minimal contamination</li> <li>Knitted cuff for comfort and warmth</li> <li>Polycotton, Latex</li> </ul>                                                                                                                                                   |                                                                                         |

Polycotton, Latex
Vellow/Orange L/9-XXL/11





1

CELK 9/L





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9 L 95

CEXA 9/L





### A427 PVC GAUNTLET A435 PVC GAUNTLET A445 PVC GAUNTLET EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 4121X

Available in 3 lengths, 27cm, 35cm and 45cm
Phthalate Free

- · Maximum EN level 4 abrasion
- Fully coated for maximum liquid protection
- Incredibly durable and hardwearing
- · ANSI abrasion level 3

Polyester, PVC

























#### Gloves are kept safe and secure

- · Safety breakaway which prevents entanglement
- · Easy to clip-on
- · Retail box which aids presentation for retail sales

Acetal Copolymer



x18 40

#### Gloves are kept safe and secure

· Safety breakaway which prevents entanglement

A002 METAL FREE GLOVE CLIP

- Easy to clip-on
- Engineered using dielectric material, which is non-conductive, and noncorrosive
- $\cdot\;$  Retail box which aids presentation for retail sales

Acetyl, Santaprene



## REDUCED HARMFUL EFFECTS OF VIBRATION



| <b>288</b><br>12 |  |
|------------------|--|
| UK<br>CA         |  |

#### A111 CLASSIC POLKA DOT GLOVE CE CAT 1

- · PVC dotted palm for enhanced grip
- · Robust 7 gauge liner
- · Breathable seamless liner
- · Lightweight and comfortable
- · Excellent for jobs requiring high dexterity · Performs well in dry conditions

Polyester, Cotton, PVC



## 🖑 GRIP |



#### A130 CRISS CROSS GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 1141X

- · Textured pattern for enhanced grip
- · Extremely flexible PVC
- · Robust 7 gauge liner
- · Ambidextrous suiting left and right handed users
- · Knitted cuff for comfort and warmth
- · Performs well in dry conditions
- Polyester, Cotton, PVC





## **GRIP PATTERN ON BOTH SIDES**

PROTECTION

#### A112 HEAVYWEIGHT POLKA DOT GLOVE 144 EN ISO 21420 DEXTERITY 4 EN388:2016 +A1:2018 - 1241X EN 407 X1XXXX · Knitted cuff for comfort and warmth · PVC dotted palm for enhanced grip · Robust 7 gauge liner · Breathable seamless liner · Lightweight and comfortable · Performs well in dry conditions Polyester, Cotton, PVC



EN 388

1241X

EN 407

(👲) X1XXX

👏 HEAT 🖌 👋 GRIP







#### POLKA DOT PLUS GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 1142X

- PVC dotted palm for enhanced grip
   Ambidextrous suiting left and right handed users
- · Seamless 13 gauge liner
- · Breathable seamless liner
- Low linting construction for minimal contamination
- · Performs well in dry conditions

Polyester, PVC

## DOTTED GRIP ON BOTH SIDES









|   | <b>960</b><br>12 |  |
|---|------------------|--|
| l | JK               |  |

## A020 ASSEMBLY GLOVE (960 PAIRS)

CE CAT 1

- · 13 gauge liner for a perfect fit
- · Breathable seamless liner
- · Lightweight and comfortable
  - · Low linting construction for minimal contamination
- · Perfect for intricate tasks
- · Sold in cartons of 960 pairs

Polyester White XS/6-XL/10



#### A050 STOCKINETTE KNITWRIST GLOVE (600 600 12 PAIRS) UK CA

#### CE CAT 1

- · 18 gauge liner for extra dexterity
- · Lightweight and comfortable
- · Breathable seamless liner
  - · Low linting construction for minimal contamination
  - · Performs well in dry conditions
  - · Sold in cartons of 600 pairs

Polyester, Cotton



600

## A080 MICRODOT GLOVE

CE CAT 1

- · 24 gauge liner for extra dexterity Excellent for jobs requiring high dexterity
- · PVC dotted palm for enhanced grip
- Made from 100% cotton fabric for added comfort and breathability
- · Breathable seamless liner
  - · Performs well in dry conditions

Cotton, PVC White M/8-XL/10



















#### A030 STRING KNIT LINER GLOVE (300 PAIRS) CE CAT 1

#### Robust 7 gauge liner

🗱 Nylon White M/8-XL/10

- These gloves are ambidextrous and are suitable for left or right handed users for added functionality
- Breathable seamless liner
- Durable polycotton fabric for high performance and maximum wearer comfort
- Performs well in dry conditions
- · Sold in cartons of 300 pairs

Polycotton



100%

## A040 JERSEY LINER GLOVE (300 PAIRS)

CE CAT 1

## $\cdot$ 18 gauge liner for extra dexterity

- Jersey cotton lining with knitwrist
- · Breathable seamless liner
- · Performs well in dry conditions
- Excellent for jobs requiring high dexterity
- Sold in cartons of 300 pairs



Jersey Lining, Cotto 🗱 Jersey Lining, Cotton















DOUBLE PALM RIGGER GLOVE EN ISO 21420 DEXTERITY 1 EN388:2016 +A1:2018 - 3334X EN 407 X2XXXX

ANSI/ISEA 105: 2016 CUT LEVEL A3

- For use in construction, landscaping, agriculture and forestry
- · Superior double palm rigger
- Additional reinforced protection on palm and forefinger areas
- · Cotton backing for breathability
- · Knuckle back protection
- · Superb abrasion and tear resistance

Cow Split Leather, Cotton

## REINFORCED PATCH PALM



**N** 









#### EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 2143X

- · For use in construction, landscaping, agriculture and forestry
- · Leather palm greatly improves durability
- · Rubberised safety cuffs
- · Patch palm and vein protection
- · Superb abrasion and tear resistance
- · Durable leather

Leather, Cotton









UK

#### **A210** CANADIAN RIGGER GLOVE EN ISO 21420 DEXTERITY 1 EN388:2016 +A1:2018 - 3223X ANSI/ISEA 105: 2016 CUT LEVEL A2

- Cow split leather rigger
   Knuckle back protection
- $\cdot$   $\,$  Patch palm and vein protection
- Cotton backing for breathability
- · Superb abrasion and tear resistance
- · For use in construction, mining and landscaping

Cow Split Leather, Cotton









- · Very competitive price
- · Cotton backing for breathability
- · Durable leather
- · For use in construction, landscaping, agriculture and forestry · CE certified
- Split Leather, Cotton Yellow/Red XL/10







#### A229 CLASSIC DOUBLE PALM RIGGER GLOVE EN ISO 21420 DEXTERITY 1

#### EN388:2016 +A1:2018 - 4344X

· Premium quality split leather rigger

- · Superior double palm rigger
- · Additional reinforced protection on palm and forefinger areas · Knuckle back protection
- · For use in construction, landscaping, agriculture and forestry
- · Cotton backing for breathability

Split Leather, Cotton



X"



PORTWEST

A229 CES 9/L





# PROTECTION AGAINST CONDUCTIVE COLD DOWN TO -50 DEGREES CELSIUS



When cold thermal hazards are present, the hands' motor skills can be greatly reduced, this leads to increased risk of accidents and injury. Specially designed thermal protective gloves are available to combat these dangers in hazardous environments.

## **EXCEPTIONAL PROTECTION IN EXTREME COLD CONDITIONS**

The European Standard EN 511 specifies the requirements and test methods for gloves which protect against conductive cold down to -50 degrees Celsius. This cold can be linked to the climate conditions or an industrial activity.

# COLD PROTECTION STYLES

- Specially designed for use in extreme cold environments
- Cold protection to -50° Celsius
- Available in a range of coatings for grip in dry, wet and oily conditions



## **COLD AND HEAT PROTECTION**







**₩THERM <u>₩GRIP</u>** 





**A280 WINTERSHIELD GLOVE** EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 1121X EN 511 22X

- Specially designed for use in cold conditions
   Fleece lining for added warmth and comfort
- · Leather palm greatly improves durability
- · Designed with a comfort fit
- · Incredibly durable and hardwearing
- · Ergonomically designed for comfort and ease of use

Synthetic Leather, Fleece





#### A450 WEATHERPROOF HI - VIS GLOVE EN ISO 21420 EN388:2016 +A1:2018 - 4231X

EN388:2016 +A1:2018 - 42 EN 511 11X

- · Fully coated for maximum liquid protection
- · Double dipped coating for durability
- · Prevents grease, oil and water penetration
- · 12 gauge liner for dexterity
- · Knitted cuff for comfort and warmth
- · Suitable for any work area where oil and grease resistance is a priority

PVC, Foam, Cotton





#### A245 ANTARCTICA INSULATEX GLOVE EN ISO 21420 DEXTERITY 1 EN388:2016 +A1:2018 - 3143X

EN 511 32X

- · Specially designed for use in cold conditions
- · Knitted cuff for comfort and warmth
- · Premium full grain cow leather
- · Lined for added warmth and comfort
- Inner soft Insulatex lining offering warmth and comfort
   Wrist support and protection

Cow Grain Leather, Cotton, Insulatex







PORTWEST

A245

9/L

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C E 监





A751 APACHA COLD STORE GLOVE EN 150 21420 EN 388:2016 +A1:2018 - 3544X EN 511 33X

Specially designed for use in cold conditions

- · Inner soft Insulatex lining offering warmth and comfort
- · Waterproof keeping the wearer dry and protected from the elements
- · Knitted cuff for comfort and warmth
- $\cdot$  Textured pattern for enhanced grip
- · Leather palm greatly improves durability

Neoprene, Insulatex, Nylon, Waterproof Membrane, Leather





## 🗱 THERM 💧 🛦 AQUA 🛛 端 GRIP



AP01 THERMO PRO GLOVE EN ISO 21420 DEXTERITY 5

EN388:2016 +A1:2018 - 2132X EN 511 X3X

#### ANSI/ISEA 105: 2016 CUT LEVEL A3

- · Fully coated for maximum liquid protection
- · Specially designed for use in cold conditions
- · 13 gauge liner for a perfect fit
- $\cdot\,$  Latex foam coating for excellent grip in wet and dry conditions

· Superb abrasion and tear resistance

· Ergonomic design to reduce hand fatigue

Brushed Acrylic, Latex, Latex Foam



## 🗱 THERM 🛛 🜢 AQUA 🖉 🖑 GRIP



#### CE CAT 1

- · 13 gauge liner for a perfect fit
- · Breathable seamless liner
- $\cdot$  Low linting construction for minimal contamination
- · Provides insulation and thermal protection
- Performs well in dry conditions

Polyester







PORTWEST





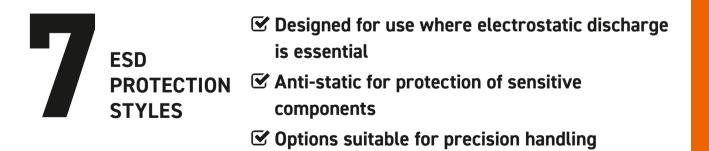
# PROTECTING SENSITIVE COMPONENTS AND MATERIALS



Designed to dissipate static electricity, the Portwest ESD glove range has been tested to EN16350, a glove specific standard, to ensure protection of electronic devices from the risk of damage by electrostatic phenomena and static charge. Ideal for use in electrical component manufacturing.

## SUPERB ANTI-STATIC PROTECTION

A build up of electrostatic discharge (ESD) can damage sensitive electronic component. This collection of gloves offer protection by preventing the static charge build up, protecting the worker and the environment.









**A197 ANTISTATIC SHELL GLOVE** EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 1.1.3.X.X ČÀ EN 16350:2014 PASS LEVEL R < 1.0 X 108 Ω -IEC 61340-5-1 PASS · Suitable for use in ESD environments • This glove can be used with most mobile touchscreen devices · Retail tag which aids presentation for retail sales PORTWEST · Low linting construction for minimal contamination A12018 A197 · 15 gauge liner for extra dexterity · CE certified CER 9/L Polyester, Carbon Fibre (A) The Free Areland Grey XS/6-XL/10 EN 388





6.

## **A198 ANTISTATIC PU FINGERTIP GLOVE**

EN388:2016 +A1:2018 - 114XX EN 16350:2014 PASS LEVEL R < 1.0 X 108 Ω -IEC 61340-5-1 PASS ANSI/ISEA 105: 2016 CUT LEVEL A1

· Suitable for use in ESD environments · Anti-static

· Fingertip dipped for precision handling and maximum ventilation

· Smooth PU coating for increased abrasion resistance

• 13 gauge liner for a perfect fit

· Breathable seamless liner Polyester, Carbon Fibre, PU



#### A199 ANTISTATIC PU PALM GLOVE EN ISO 21420 DEXTERITY 5 EN388:2016 +A1:2018 - 3121X

EN 16350:2014 PASS LEVEL R < 1.0 X 108 Ω -IEC 61340-5-1 PASS ANSI/ISEA 105: 2016 CUT LEVEL A1

· Suitable for use in ESD environments · Anti-static  $\cdot$   $\,$  Palm dipped to increase dexterity and ventilation

- Smooth PU coating for increased abrasion resistance
- · 13 gauge liner for a perfect fit · Breathable seamless liner

Polyester, Carbon Fibre, PU







## THE ULTIMATE IN WELDING PROTECTION



Higher levels of protection are needed when a worker is dealing with extremely hot temperatures and heated materials. The Portwest Weld range has an expanding selection of hand protection solutions suitable for all welding and thermal risk.

## **PROTECTION AGAINST WELDING HAZARDS**

Welding protection certified to EN407 and EN12477, the Portwest welding hand protection styles offer outstanding protection when needed most



- Ideal for welding and metal handling
- Leather construction for outstanding protection
- Superb abrasion and tear resistance





X"



JELD



755













**%**"

756







- EN12477 Type B welding protection
- Para-Aramid stitching throughout for extra durability
- Soft, flexible goatskin palm with heavy duty split leather cuff
- · Ideal for welding and metal handling
- Excellent for jobs requiring high dexterity
- · Wrist support and protection

Goatskin, Cow Split Leather, Para-Aramid Grey L/9-XXL/11

## **DESIGNED FOR TIG WELDING**





## PROTECTION IN HAZARDOUS ENVIRONMENTS



The Portwest chemical glove collection has been developed to offer outstanding protection against 80+ common chemical hazards. Tested to EN 388 and EN 374 safety standards, this enhanced collection has been constructed using latex, neoprene and nitrile materials to ensure outstanding protection from the most commonly used chemicals in industry.



**Protection against 80+ chemical hazards** 

- Constructed using latex, neoprene and nitrile materials for outstanding protection
- Multiple thicknesses and length options to suit a variety of end uses

## **CHEMICAL PROTECTION GLOVES SELECTION GUIDE**

Use the Portwest Enhanced Chemical Protection Guide to help you to select the best chemical protection for the task at hand. Find the perfect chemical protection glove to suit your application with this two-step guide:

**Step 1.** Identify the chemical you are using in the Enhanced Chemical Protection Guide table.

**Step 2.** Use the colour coded key to identify the gloves that offer the best level of protection.

| Enhanced Chem<br>Protection Guid | <b>AP60</b> | <b>A827</b>       | <b>A835</b> | <b>A845</b> | <b>A881</b> | <b>A882</b> | <b>A810</b> |                   |
|----------------------------------|-------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                                  |             | Nitrile<br>Rubber | PVC         | PVC         | PVC         | PVC         | PVC         | Nitrile<br>Rubber |
| Chemical Name                    | CAS NO      | CE Rating         | CE Rating   | CE Rating   | CE Rating   | CE Rating   | CE Rating   | CE Rating         |
| Methanol                         | 67-56-1     | 3                 |             |             |             |             | 2           |                   |
| n-Heptane                        | 142-82-5    | 6                 | 2           | 2           | 2           | 2           | 2           | 6                 |
| Sodium Hydroxide, 40%            | 1310-73-2   | 6                 | 6           | 6           | 6           | 6           | 6           | 6                 |
| Sulphuric Acid, 96%              | 7664-93-9   | 3                 | 5           | 5           | 5           | 4           | 4           | 3                 |

| Enhanced Ch                          |                         | A801      | A802      | <b>A803</b> | A812                                    | A813      | <b>A814</b> | A820      | Ke     |
|--------------------------------------|-------------------------|-----------|-----------|-------------|-----------------------------------------|-----------|-------------|-----------|--------|
| Protection G                         | ulae                    | Latex     | Latex     | Latex       | Nitrile                                 | Nitrile   | Nitrile     | Neoprene  |        |
|                                      |                         | Rubber    | Rubber    | Rubber      | Rubber                                  | Rubber    | Rubber      | Rubber    |        |
| Chemical Name                        | CAS NO                  | CE Rating | CE Rating | CE Rating   | CE Rating                               | CE Rating | CE Rating   | CE Rating |        |
| Acetic Acid - Glacial                | 64-19-7                 | 5         | 5         | 5           | 3                                       | 2         | 2           | 5         |        |
| Acetic Acid, 10%                     | 64-19-7                 |           | 6         | 6           | 6                                       | 6         |             | 6         |        |
| Acetic Acid, 20%                     | 64-19-7                 |           | 6         | 6           | 6                                       | 6         |             | 6         |        |
| Acetic Acid, 25%                     | 64-19-7                 |           | 6         | 6           | 6                                       | 6         |             | 6         |        |
| Acetone                              | 67-64-1                 | 0         | 1         | 1           | 0                                       | 0         |             | 0         |        |
| Acetonitrile                         | 75-05-8                 |           |           |             | 0                                       | 1         |             |           |        |
| Ammonium Fluoride 40%                | 12125-01-8              |           |           |             | 6                                       |           |             |           |        |
| Ammonium Hydroxide 25%               | 1336-21-6               | 1         | 3         | 3           | 6                                       | 6         | 3           | 3         |        |
| Amyl Acetate                         | 628-63-7                |           |           |             | 3                                       |           |             |           | С      |
| Amyl Alcohol                         | 71-41-0                 |           |           |             | 6                                       |           |             |           |        |
| Aniline                              | 62-53-3                 |           |           |             |                                         |           |             | 6         | 0      |
| Aqua Regia                           |                         |           |           |             | 6                                       |           |             |           |        |
| Butanol                              | 71-36-3                 | 6         | 6         | 6           | 6                                       | 6         |             | 6         | 1      |
| Butyl Acetate                        | 123-86-4                | 6         |           |             |                                         |           |             |           | 2      |
| Carbon Disulphide                    |                         |           |           |             | 0                                       | 1         |             |           | 3      |
| arbon Tetrachloride                  | 56-23-5                 |           |           |             | 5                                       |           |             |           | 4      |
| cellosolve Acetate 99%               | 111-15-9                |           |           |             | 3                                       |           |             |           |        |
| cellusolve Solvent                   | 110-80-5                |           |           |             | 4                                       |           |             |           | 5      |
| itric Acid 10%                       | 64-19-7                 |           |           |             | 6                                       |           |             |           | 6      |
| yclohexane                           | 110-82-7                | +         | 3         | 3           | 6                                       | L         |             | 4         |        |
| vclohexane                           | 108-93-0                | +         | 3         | 3           |                                         | 6         |             | 4         |        |
|                                      |                         | -         | -         | -           | 6                                       |           |             | 2         |        |
| cyclohexanone                        | 108-94-1                | U         | 5         | 5           | -                                       | 3         |             | 3         |        |
| liacetone Alcohol 99%                | 123.42-2                | -         |           | _           | 5                                       |           |             |           |        |
| Dichloromethane                      | 75-09-2                 | 0         | 0         | 0           | 0                                       | 0         |             | 0         |        |
| Diethanolamine                       | 111-42-2                |           |           |             | 6                                       |           |             | <b></b>   |        |
| liethyl Amine                        | 109-89-7                | 0         | 0         | 0           | 0                                       | 2         |             | 0         |        |
| )i-isobutyl ketone                   | 108-83-8                |           |           |             | 6                                       |           |             |           | Ρ      |
| imethyl sulphoxide                   |                         |           |           |             | 2                                       |           |             |           |        |
| limethylformamide                    | 68-12-2                 |           |           |             |                                         |           |             | 6         |        |
| thanol 96%                           | 64-17-5                 |           |           |             | 0                                       | 6         |             | 6         | A<br>C |
| thanol, absolute                     | 64-17-5                 | 6         | 6         | 6           | 5                                       | 6         |             | 6         |        |
| thyl latate                          | 141-78-6                | 0         | 1         | 1           | 0                                       | 1         |             | 0         |        |
| thyl Lactate                         | 97-64-3                 |           |           |             | , i i i i i i i i i i i i i i i i i i i | 6         |             | 6         | -      |
| thylether                            | 60-29-7                 |           |           |             | 6                                       | 1         |             |           |        |
| ormaldehyde, 37%                     | 00 27 7                 | 6         | 6         | 6           | 6                                       | 6         | 6           | 6         | - U    |
| ormic Acid, 95%                      | 64-19-7                 | 0         | U         | 0           | 2                                       | 0         | 0           | 0         |        |
|                                      |                         |           |           |             |                                         |           |             |           | H      |
| reon 99.7%                           | 75-69-4                 |           |           |             | 6                                       |           |             |           |        |
| urfural                              |                         |           |           |             |                                         |           |             | 6         |        |
| lexamethyl disilazane 99%            | 1049738-54-6            |           |           |             | 6                                       |           |             |           |        |
| lydrochloric Acid, 10%               | 7647-01-0               |           | 6         | 6           | 6                                       | 6         |             | 6         |        |
| lydrochloric Acid, 37%               | 7647-01-0               |           |           |             | 6                                       | 3         |             | 6         |        |
| lydrochloric Acid, 40%               | 7664-39-3               | 6         |           |             |                                         | 5         |             | 6         |        |
| ydrogen peroxide, 30%                | 7722-84-1               | 6         | 6         | 6           | 6                                       | 6         | 6           | 6         |        |
| so Propyl Alcohol (Propan-2-ol)      | 67-63-0                 | 6         | 6         | 6           | 6                                       | 6         |             | 6         |        |
| sobutyl alcohol 99%                  | 78-83-1                 |           |           |             | 6                                       |           |             |           |        |
| sooctane                             | 540-84-1                |           |           |             | 6                                       |           |             |           |        |
| erosene                              | 64742-81-0              |           |           |             | 6                                       |           |             |           |        |
| 1ethanol                             | 67-56-1                 | 2         | 6         | 6           | 2                                       | 3         |             | 3         |        |
| fethilamine                          | 74-89-5                 | 2         | Ŭ         | v           | 6                                       | Ŭ         |             | <u> </u>  |        |
| Iethyl Cellosolve                    | 109-86-4                |           |           |             |                                         |           |             |           |        |
|                                      | 78-93-3                 | 0         | -         | -           | 6                                       |           |             | _         |        |
| fethyl ethyl ketone                  |                         | 0         | 5         | 5           | 0                                       |           |             | 0         |        |
| 1ethyl Propyl ketone                 | 107-87-9                |           | 4         | 4           | 0                                       |           |             | 2         |        |
| 1ethyl t-butyl ether                 | 1624-04-4               | +         |           |             | 4                                       |           |             | <u> </u>  |        |
| -Hexane                              | 110-54-3                | -         |           |             |                                         |           |             | 6         |        |
| -Heptane                             | 142-82-5                | 0         | 0         | 0           | 6                                       | 6         | 6           | 1         |        |
| laptha solvent                       | 64742-94-5              |           | L         |             | 0                                       |           |             |           |        |
| litric Acid 10%                      | 7697-37-2               | 6         | 6         | 6           | 6                                       | 6         |             | 6         |        |
| litric Acid, 40%                     | 7697-37-2               | 6         | 6         | 6           |                                         | 3         |             | 6         |        |
| litric Acid, 65%                     | 7697-37-2               | 5         | 6         | 6           | 2                                       | 3         | 2           | 6         |        |
| litromethane                         | 75-52-5                 |           |           |             |                                         |           |             | 6         |        |
| Ictyl alcohol                        | 111-87-5                |           |           |             |                                         |           |             | 6         |        |
| rtho Phosphoric Acid                 | 7664-38-2               | 1         | 6         | 6           |                                         | 6         |             | 6         |        |
| xalic Acid 12.5%                     | 64-19-7                 | 1         |           |             | 6                                       |           |             |           |        |
| entane 98%                           | 109-66-0                |           | 1         |             | 6                                       |           |             |           |        |
| etroleum Ether                       | 8032-32-4               | 1         | t         |             | 6                                       |           |             | <u> </u>  |        |
| etroleum Ether                       | 108-95-2                | +         |           |             | 0                                       |           |             |           |        |
|                                      |                         | +         |           |             |                                         | ,         |             | 6         |        |
| hosphoric Acid, 85%                  | 7664-38-2               | -         | 6         | 6           |                                         | 6         |             | 6         |        |
| ottasium Hydroxide, 50%              | 1310-58-3               | 6         | 6         | 6           | 6                                       | 6         | 6           | 6         |        |
| ropan - 1 - ol                       | 71-23-8                 |           | 6         | 6           | 6                                       | 6         |             | 6         |        |
| ropyl Acetate                        | 109-60-4                | 1         | 3         | 3           |                                         | 3         |             | 2         |        |
| apeseed Oil                          | 8002-13-9               |           |           |             | 0                                       |           |             |           |        |
| odium Hydroxide, 40%                 | 1310-73-2               | 6         | 6         | 6           | 6                                       | 6         | 6           | 6         |        |
| odium Hydroxide, 50%                 | 1310-73-2               | 6         | 6         | 6           | 6                                       | 6         | 6           | 6         |        |
| odium Hypochlorite                   | 7681-52-9               |           |           |             |                                         | 6         |             | 6         |        |
| odium Hyroxide, 20%                  | 1310-73-2               | 6         | 6         | 6           | 6                                       | 6         | 6           | 6         |        |
| odium Silicate                       | 1344-09-8               |           |           |             |                                         | 6         |             |           |        |
| toddad Solvent                       | 8051-41-3               | +         | +         |             |                                         | 0         |             | <u> </u>  |        |
|                                      |                         | +         |           |             | 6                                       |           |             |           |        |
| ulphuric Acid, 40%                   | 7664-93-9               | +         | 6         | 6           | 6                                       | 6         |             | 6         |        |
| ulphuric Acid, 50%                   | 7664-93-9               |           | 6         | 6           | 6                                       | 6         |             | 6         |        |
| ulphuric Acid, 96%                   | 7664-93-9               | 3         | 4         | 4           | 3                                       | 5         | 2           | 4         |        |
| annic Acid 37.5%                     | 64-19-7                 |           |           |             | 6                                       |           |             |           |        |
| etrachloroethylene                   | 127-18-4                |           |           |             | 6                                       |           |             |           |        |
| hinner                               |                         | Х         |           |             |                                         | 1         |             | 1         |        |
| bluene                               | 108-88-3                | 0         | 1         | 1           | 1                                       | 1         |             | <u>n</u>  |        |
|                                      | 8006-64-2               |           |           |             | 6                                       |           |             |           |        |
| ULDED (IDE                           |                         | 1         |           |             |                                         | l         | 1           | 1         |        |
|                                      |                         |           |           |             |                                         |           |             |           |        |
| Furpentine<br>Nhite Spirit<br>Kylene | 64742-88-7<br>1330-20-7 | 0         | 4         | 4           | 6                                       | 4         |             | Ο         |        |

| Not Recommended           |
|---------------------------|
| Limited Splash Protection |
| Splash Protection         |
| Short Term Exposure       |
| Medium Term Exposure      |
| Good Protection           |
| Excellent Protection      |
|                           |

# CE Rating Breakthrough Time (mins) 0 0 - 10 mins 1 10 - 30 mins 2 30 - 60 mins 3 60 - 120 mins 4 120 - 240 mins 5 240 - 480 mins 6 >480 mins

## Protection Against 87+ Chemical Hazards

759

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| <ul> <li>A812</li> <li>MITROSAFE PLUS CHEMICAL<br/>GUINTLET</li> <li>ISO 21420</li> <li>ISO 21420</li> <li>ISO 374-1:2018 - 3101X</li> <li>ISO 374-5 MICRO ORGANISMS PASS</li> <li>Silicone free - Ideal for manufacturing, paint<br/>applications, electronics and glass handling<br/>where silicone is problematic</li> <li>Suitable for use in chemical, oil and food<br/>industries</li> <li>Suitable for use in chemical, oil and food<br/>industries</li> <li>Textured pattern for enhanced grip</li> <li>Flock lined for added comfort</li> <li>330mm length</li> <li>Cotton, Nitrile<br/>Green XS/6-XXL/11</li> </ul> |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SILICONE FREE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| CE EN 388 EN 374 EN 374<br>STOTX AFJKLMNOPT STA<br>CHEM AQUA SGRIP ROODSAFE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| V OUT ANGON A UNIT SCHOOD ONLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |

## EXTRA LONG FOR EXTRA PROTECTION

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PORTWEST Attacked Attack



| <ul> <li>AB14</li> <li>COD APPROVED NITRILE<br/>COUNCILET</li> <li>COUNCILET</li> <l< th=""><th></th></l<></ul> |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Nitrile   Blue XS/6-XXL/11     IDEAL FOR FOOD<br>PRODUCTION     Image: Description     Image: Description <t< td=""><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |



NEOPRENE CHEMICAL GAUNTLET EN ISO 21420 EN 388:2016 +A1:2018 - 3110X EN ISO 374-1:2016 TYPE A AKLMNOPST EN ISO 374-5 MICRO ORGANISMS PASS

- $\cdot$   $\,$  Specially formulated rubber chloroprene
- · Textured pattern for enhanced grip
- Chemical resistant gauntlet
- Retail tag which aids presentation for retail sales
- · 0.78mm thickness
- · 380mm length

Cotton, Neoprene

## PROTECTION AGAINST ACIDS CAUSTICS AND ALCOHOLS

























- Flock lined for added comfort
- · Phthalate Free
- · 1.5mm thickness
- · 300mm length

Cotton, Steel Fibre, PVC, PVC Sandy

## **ESD PROTECTION**



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A881 9/L

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PORTWEST









EN 374

EN 374

EN 388

192

A810

sales

EN 388

3101X

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EN 150 21420 DEA TERTI 7 5 EN 388:2016 + A1:2018 - 3121X EN 150 374-1:2016 TYPE B JKL EN 150 374-5 MICRO ORGANISMS PASS

- Double dipped PVC gauntlet with sandy palm finish for enhanced grip
   Jersey lined for extra wearer comfort
- Phthalate Free

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- · Chemical resistant gauntlet
- 1.6mm thickness
- Available in 3 lengths, 27cm, 35cm and 45cm

Cotton, PVC

#### 

## DURABLE CHEMICAL PROTECTION

A835 9/L

## AVAILABLE IN 3 LENGTHS

RTWEST

A845

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## DISPOSABLE







## LIGHTWEIGHT COVERALL



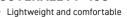
DISPOSABLE

Disposable products, made from high quality materials, perfect for the food industry

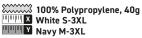
The Disposable Workwear range features industry best sellers such as mob caps, overshoes, visitors coats, aprons and coveralls.

**PP - POLYPROPYLENE PE - POLYETHYLENE SPP - SPUNBLOWN** POLYPROPYLENE





- Elasticated hood, ankles, cuffs and waist
- · Front zip opening for easy access
- · Available in sizes up to 3XL
- · This product is sold in carton qty's



## **DISPOSABLES ACCESSORIES**





770

Portwest's PPE range complies with the latest standards, offering the highest level of protection. Designed with comfort in mind, this range of lightweight PPE ensures a pleasant wear even after long hours of use. Your safety is our mission.



### **RESPIRATORY PROTECTION**

Our safety range of face masks is designed to offer the most comfortable and best fitting product. A user-friendly range, including disposable masks, half masks and filters. Breathe easier with Portwest.

## EYE Port

## EYE PROTECTION

Portwest's eye protection range includes spectacles, safety goggles and visors, designed to protect the eyes and face of workers from injury during work activities.

## HEAD PROTECTION

Portwest's head protection range aims to benefit our customers by combining the most up to date styles and standards in head protection, irrespective of job or location. Innovative, comfortable and lightweight helmets available for multiple uses.



## HEARING PROTECTION

Portwest's hearing protection range includes PPE with different level sound attenuation, to be adapted to various working environments giving the correct protection from dangerous noise, without isolating the workers. This new range of earmuffs offer a variety of models and colours allowing a personalised choice.



## **GENERAL PPE**

Portwest's general PPE includes knee protection, lights and accessories. General PPE offers products that are suitable for a variety of applications, with user comfort and safety in mind.

## DISPOSABLE MASKS



Our Biztex<sup>™</sup> brand ensures exceptional quality and performance across our full range of disposable masks. The extensive Biztex range offers a high level of protection and quality safeguarding the wearer against many workplace risks including liquid chemicals, static electricity, dry particles and radioactive contamination. The complete Biztex range includes disposable masks and limited-life garments.

BIZTEX is a trademark of Portwest.

|                                     | How to Protect Yourself Guideline                                                                                                                                 |                                                                                                                                     |                                                                          |  |  |  |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--|--|--|
|                                     | FFP3                                                                                                                                                              | FFP2                                                                                                                                | FFP1                                                                     |  |  |  |
| Protection                          | Protects from solid aerosols and/or liquids listed as toxic.                                                                                                      | Protects from slightly toxic or<br>irritating solid aerosols and/or<br>liquids.                                                     | Protects from non-toxic dust and/or water-based aerosols.                |  |  |  |
| Examples of<br>Application          | Sanding of hard wood (beech,<br>oak), treatment of wood using<br>copper, chrome or arsenic<br>based products, impact<br>stripping of paint, sanding of<br>cement. | Sanding of soft wood,<br>composite materials, rust,<br>putty, plaster, plastics/cutting,<br>milling, grinding, metal drilling.      | Handling of stone, rubble, cellulose, concrete drilling.                 |  |  |  |
| Substances                          | Asbestos (without handling it),<br>powered pesticide, biological,<br>pharmaceutical, powder,<br>treated wood, hard wood<br>(exotic), chromium, lime, lead.        | Untreated softwood, grinding,<br>cutting, welding, milling,<br>coal, glass fiber, mineral fiber,<br>powdered pesticide, grain dust. | Flour, calcium carbonate<br>(chalk), graphite, cotton, dust<br>concrete. |  |  |  |
| % Min of Filtration:                | 99%                                                                                                                                                               | 94%                                                                                                                                 | 80%                                                                      |  |  |  |
| Total Inward<br>Leakage (TIL)       | 2%                                                                                                                                                                | 8%                                                                                                                                  | 22%                                                                      |  |  |  |
| Nominal Protection<br>Factor (NPF)  | 50 x TLV                                                                                                                                                          | 12,5 x TLV                                                                                                                          | 4,5 x TLV                                                                |  |  |  |
| Assigned Protection<br>Factor (APF) | 20 x TLV                                                                                                                                                          | 10 x TLV                                                                                                                            | 4 x TLV                                                                  |  |  |  |

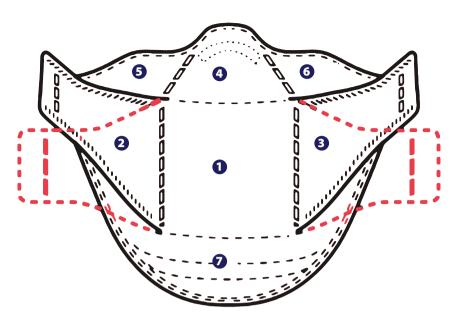
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## **EAGLE RESPIRATORS**

Innovative compact folding masks with 7 dynamic parts providing excellent facial movement with maximum comfort. The EAGLE's mask "wings" open and adapt to the shape of any face, which allows the user to breath more freely.

Available valved or unvalved, with either class FFP2 or FFP3 protection. All versions have passed the Dolomite optional clogging test (D), offering maximum breathing comfort.



## COMPACT FLAT FOLDING MAKING IT EASY TO STORE





EN 149: 2001 +A1:2009 Respiratory Protective Devices - Filtering half masks to protect against particles

European Standard for filtering half-masks. It contains laboratory tests to check the conformity with resistance to impacts, to cleansers and disinfectants, to temperature, to flame and with respiratory resistance. With A1:2009 amendment, filtering dust masks are now classified as either single use /single shift (NR) or reusable/more than 1 shift (R).

TLV: Contaminant concentration to which the user may be exposed without health effects.

TIL : Total INWARD LEAKAGE - Leakage of the ambient atmosphere into the respiratory interface.

NPF: Nominal Protection Factor -Nominal level of protection given by respiratory PPE (in Laboratory conditions).

APF: Assigned Protection Factor - Level of protection which can realistically be expected in the workplace conditions.

DOLOMITE TEST (D): Optional test under EN149 for clogging with dolomite dust. Respirators which pass the dolomite clogging test are proven to provide a more comfortable breathing level and longer lasting performances of filtration. These respirators are marked with "D" letter.



#### AS/NZS 1716:2003

Australian and New Zealand Standard for Respiratory protective devices. The objective of this Standard is to provide minimum performance and testing criteria to be observed in the manufacture of respiratory protective devices.



The National Institute for Occupational Safety and Health (NIOSH) is responsible for conducting research and making recommendations for the prevention of work-related injury and illness. NIOSH is also directly responsible for several regulations, including 42 CFR Part 84, related to the approval of Respirator Protective devices.

## **DISPOSABLE MASK FFP3 FOLD FLAT MASKS**



#### P391 10

## EAGLE FFP3 VALVED DOLOMITE FOLD FLAT RESPIRATOR

#### EN 149 FFP3 NR D

- · 7 ergonomic points which adapt to different face shapes
- · High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions
- · Flexible shape which allows the mask to be folded flat
- Individually wrapped inside hygienic polybag
- · Adjustable nose bar for improved fit and reduced fogging of glasses Foam padding around the nose bridge for additional comfort

## PP, PU Foam

PORTWEST NIZTEX- P390 CE2797 250086 P390 x30 EAGLE FFP3 DOLOMITE FOLD FLAT RESPIRATOR EN 149 FFP3 NR D · 7 ergonomic points which adapt to different face shapes Flexible shape which allows the mask to be folded flat



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#### · Adjustable nose bar for improved fit and reduced fogging of glasses

Individually wrapped inside hygienic polybag

- Foam padding around the nose bridge for additional comfort
- Dolomite optional clogging test (D) to provide more comfortable breathing and longer lasting filtration performance



#### PP, PU Foam White





## P350

## FFP3 DOLOMITE FOLD FLAT RESPIRATOR

### EN 149 FFP3 NR D

- Special compact vertical fold-flat design
- · Ultrasonic welded head straps
- Individually wrapped inside hygienic polybag
- Adjustable nose bar for improved fit and reduced fogging of glasses
- Foam padding around the nose bridge for additional comfort
- · Retail box which aids presentation for retail sales

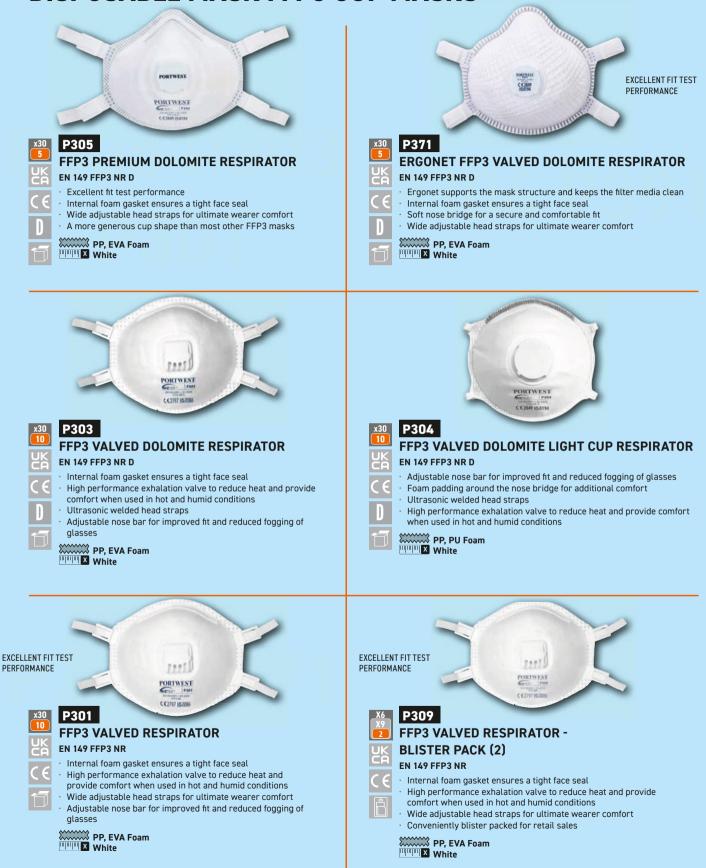


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## **DISPOSABLE MASK FFP3 CUP MASKS**



## **DISPOSABLE MASK FFP2**



#### P203 FFP2 VALVED DOLOMITE RESPIRATOR EN 149 FFP2 NR D

- Ultrasonic welded head straps
   Adjustable nose bar for improved fit and reduced fogging of glasses
   High performance exhalation valve to
- reduce heat and provide comfort when used in hot and humid conditions • Foam padding around the nose bridge for
- additional comfort





#### P271 ERGONET FFP2 VALVED DOLOMITE RESPIRATOR EN 149 FFP2 NR D

- Ergonet supports the mask structure and keeps the filter media clean
- Soft nose bridge for a secure and comfortable fit
- 100% metal free

x30 10

> Foam padding around the nose bridge for additional comfort

## PP, EVA Foam



 High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions

PP, EVA Foam





Foam padding around the nose bridge for additional comfort

PP, EVA Foam



-

## **DISPOSABLE MASK FFP2**



## P223 **FFP2 CARBON VALVED DOLOMITE RESPIRATOR** EN 149 FFP2 NR D · Activated carbon layer for improved

x30

20

- absorption of nuisance odours, organic vapours and welding fumes · Foam padding around the nose bridge
- for additional comfort Ultrasound welded elastic strap
- Adjustable nose bar for improved fit and reduced fogging of glasses

PP, Activated Carbon, PU Foam White



## P220 **FFP2 CARBON VALVED** RESPIRATOR

#### AS/NZS 1716 P2 EN 149 FFP2 NR

Activated carbon layer for improved absorption of nuisance odours, organic vapours and welding fumes

- Foam padding around the nose bridge for additional comfort
- Ultrasonic welded head straps
- · Adjustable nose bar for improved fit and reduced fogging of glasses

PP, Activated Carbon, EVA Foam White



## CETTAT SAU P291 x30 10 **EAGLE FFP2 VALVED DOLOMITE FOLD FLAT** RESPIRATOR EN 149 FFP2 NR D 7 ergonomic points which adapt to different face shapes High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions Flexible shape which allows the mask to be folded flat Individually wrapped inside hygienic polybag PP, PU Foam White PORTWEST P250 BIZTER € €2797 850086 x30 P250 20 **FFP2 FOLD FLAT RESPIRATOR** UK CF **EN 149 FFP2 NR** Special compact vertical fold-flat design Ultrasonic welded head straps Individually wrapped inside hygienic polybag Foam padding around the nose bridge for additional comfort

PP, PU Foam

## **OPTIMUM RESPIRATORY PROTECTION**

-

## DISPOSABLE MASK FFP1



P101 **FFP1 VALVED RESPIRATOR** AS/NZS 1716 P1

## EN 149 FFP1 NR

- · Ultrasonic welded head straps · Foam padding around the nose bridge for additional comfort
- · High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions
- · Adjustable nose bar for improved fit and reduced fogging of glasses

PP, PU Foam



- EN 149 FFP1 NR D
- · Special compact vertical fold-flat design High performance exhalation valve to reduce heat and provide comfort when used
- in hot and humid conditions Foam padding around the nose bridge for
- additional comfort Individually wrapped inside hygienic
- polybag

## PP, PU Foam

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## HALF MASKS



## P410 AUCKLAND HALF MASK

#### FN 140

- Adjustable quick release harness for supreme comfort and convenience
- High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions
  - · Available in 3 sizes (S. M. L) for the perfect fit
  - Screw-in filters sold separately
- Compact low profile design for maximum visibility and ease of movement · Economical half mask made from soft yet durable TPE

| *******         | TPE      |
|-----------------|----------|
| minimi <b>x</b> | Blue S-L |

## P410 Filter Selection Guide

Screw-in Filters EN143:2000/EN14387:2004

| Code | Filter Type        | Class    | Box Quantity |
|------|--------------------|----------|--------------|
| P900 | Gas Filter         | A1       | x32          |
| P920 | Gas Filter         | ABEK1    | x20          |
| P940 | Particle Filter    | P3R      | x32          |
| P950 | Combination Filter | A1P3R    | ×32          |
| P970 | Combination Filter | ABEK1P3R | x32<br>4     |





950

## **4 STEPS TO CHOOSE THE APPROPRIATE RESPIRATORY PROTECTION.**

FIT TEST

#### STEP 1- Identify the Hazard.

#### SOLID PARTICLES

Dust = Solid particles of several sizes generated by crushing solid materials. Mist = Particles of evaporated liquid (water or organic basis. Fumes = Small size particles of evaporated or melted solids, generally coming from combustion.

#### AIRBORNE SUBSTANCES

Gas & Vapors = Substances that are normally airborne. Could be fluid generated by the passage from liquid or solid status to airborne, through evaporation or boiling.

#### STEP 2- Identify the Toxic Agent

#### STEP 3-Identify the Concentration & Compare with the Exposure Limit.

TLV = contaminant concentration to which the user may be exposed without health effects.

a)Threshold limit value - Time weighted average (TLV-TWA): Average exposure on the basis of a 8h/ day, 40h/week work schedule.

b)Threshold limit value - Short-term exposure limit (TLV-STEL): Spot exposure for a duration of 15 minutes, that cannot be repeated more than 4 times per day with at least 60 minutes between exposure periods.

c)Threshold limit value - Ceiling limit (TLV-C): Absolute exposure limit that should not be exceeded at any time.

### STEP 4-Select the Type of protection.

|      | Gas and Vapours Filters  |                                                                                              |  |  |  |  |  |  |
|------|--------------------------|----------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| Туре | Colour Code              | Application                                                                                  |  |  |  |  |  |  |
| А    |                          | Organic Vapours and Gases with a boiling point of 65C and above (solvents and hydrocarbons). |  |  |  |  |  |  |
| В    |                          | Inorganic Vapours and Gases (excluding Carbon Dioxide/Monoxide)                              |  |  |  |  |  |  |
| Е    |                          | Sulphur Dioxide and other Acidic Vapours and Gases                                           |  |  |  |  |  |  |
| К    |                          | Ammonia and its Organic Ammonia Derivatives Vapours and Gases                                |  |  |  |  |  |  |
|      | Dust and Aerosol Filters |                                                                                              |  |  |  |  |  |  |
| Туре | Colour Code              | Application                                                                                  |  |  |  |  |  |  |
| P3   |                          | Protects from solid aerosols and / or liquids listed as toxic.                               |  |  |  |  |  |  |

#### HAZARD SOLUTIONS

= need a mechanical and electrostatic filter:

FFP1/P2/P3

🐨 🗑 + P FILTER

#### Airborne substances

- = need an activated charcoal filter
- + A/B/E/K or combined filter.

## **EYE PROTECTION**

PORTWEST eye protection range includes spectacles, safety goggles and visors, designed to protect the eyes and face of the workers from injuries which may occur during working activities. TECHNICAL SPECTACLES: High performance and cutting edge styles. SPORT SPECTACLES: Light weight and modern design. CLASSIC SPECTACLES: Essential PPE safety eyewear styles.

| EN 166 Markings                                                              | Lens /   | Ma /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Spectacles | Goggles  | Visors   | / |
|------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|----------|---|
| MANUFACTURER SYMBOL                                                          | Ler      | Fra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Spe        | 900°     | Vis      | / |
| PW: Portwest                                                                 | × .      | <b>~</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>~</b>   | <b>~</b> | <b>~</b> |   |
| OPTICAL CLASS                                                                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          | _ |
| 1: Permanent wear (distortion free)                                          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          |   |
| 2: Occasional wear                                                           | <b>~</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>~</b>   | <b>~</b> | <b>~</b> |   |
| 3: Brief wear                                                                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          |   |
| MECHANICAL RESISTANCE                                                        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          |   |
| S: Minimal impact resistance (5,1 m/sec)                                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>~</b>   | <b>~</b> | <b>~</b> |   |
| F: Low energy impact (45 m/sec)                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>~</b>   | <b>~</b> | <b>~</b> |   |
| B: Medium energy impact (120 m/sec)                                          | ~        | <b>~</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | <b>~</b> | <b>~</b> |   |
| A: High energy impact (190 m/sec)                                            |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          | <b>~</b> |   |
| T: Impact test at extreme temperature (-5°C/+55°C) OPTIONAL                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>~</b>   | ✓        | <b>~</b> |   |
| CHEMICAL RISKS (OPTIONAL)                                                    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          | • |
| 3: Resistance to liquids droplets                                            |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | <b>~</b> |          |   |
| 3: Resistance to liquid splashes                                             |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          | <b>~</b> |   |
| 4: Resistance to large dust particles (with $> 5\mu m$ grain size)           | × .      | <b>*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | ~        |          |   |
| 5: Resistance to gases and fine dust particles (with < 5 $\mu$ m grain size) |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | <b>~</b> |          |   |
| ELECTRICAL RISKS (OPTIONAL)                                                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          | 1 |
| 8: Short circuit ARC resistance                                              |          | <b>~</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |          | <b>~</b> |   |
| THERMAL RISKS (OPTIONAL)                                                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          |   |
| 9: Molten metal splashes and hot solids projections                          |          | <ul> <li>Image: A set of the set of the</li></ul> |            | <b>~</b> | × _      |   |
| LENS TREATMENTS (OPTIONAL)                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          | _ |
| K: Resistance to surface damage by fine particles (anti-scratch treatment)   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |          |   |
| N: Resistance to fogging of oculars (anti-fog treatment)                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ~          | ~        | ~        |   |

NOTE: It is possible to have surface treatments which are not marked on the lens. These are non-certified treatments, which give the same protection to the lens for an extended period of use:

AS = K AS = Anti-Scratch treatment (corresponds to K);



**AF** = **N** AF = Anti-Fog treatment (corresponds to N).



## LENS SHADE / APPLICATIONS

| $\bigcirc$ | <b>Clear:</b><br>General purpose lens for use in good visibility conditions, especially indoor.                         |
|------------|-------------------------------------------------------------------------------------------------------------------------|
|            | Amber/Yellow:<br>Enhanced contrast. Ideal for low light environments, artificially lit areas, foggy and cloudy weather. |
|            | Smoke/Grey:<br>Ideal for sunlight and outdoor.                                                                          |
|            | <b>Polarized:</b><br>Stops horizontal reflections, eliminating glare. Ideal for outdoors, driving and around water.     |
| $\bigcirc$ | <b>Mirror:</b><br>Protection from glare in changing light conditions. Ideal for use when working indoors and outdoors.  |

If the lens is also tested according to EN 170 (UV FILTERS) or EN 172 (SUN FILTERS FOR INDUSTRIAL USE) it is also marked with a code-scale nr. Example: clear lens (EN 170) are normally marked with 2C-1.2; Smoke lens (EN 172) are mostly marked with code-scale nr 5-3.1. These nr indicate the % of visible light which can pass through the lens, so how clear/smoke is the lens.



#### EN 166: 2001 Personal Eve Protection

European Standard, applying to all types of individual protection of the eye which protects from hazards likely to damage the eye, except for nuclear radiation, x-rays, laser emissions and infrared emitted by low-temperature sources. Does not apply to eye protection for which separate standards exist (e.g. anti-laser eye protection, sunglasses for general use).

### EN 170: 2002

**UV Rays Protection** 

#### European Standard for Ultraviolet Filters

Specifications of level numbers and of requirements relating to the transmittance of the filters for protection against ultraviolet radiation.

### EN 172: 1995

## Specification For Sunglare Filters Used In Personal Eye-Protection For Industrial Use

Specification of level numbers and requirements relating to the transmittance of filters for protection against solar radiation, industrial use.

#### EN 175: 1997

#### Welding Eyes and Face Protectors European Standard for equipment for eye and face protection during welding and allied processes

Specifications for the safety requirements for eye and face protection equipment used to protect the operator's eyes and face against harmful optical radiation and other specific risks or hazards in usual welding, cutting or similar operations.

### EN 169: 2002

### Personal Eye Protection - Filters for Welding

**European Standard for Filters for Welding and Related Techniques — Transmittance requirements and recommended use.** Specifications of level numbers and requirements relating to the transmittance of filters to protect operators for welding and related techniques. Specification of requirements for welding filters with double dial number of levels.

#### EN 1731: 2006

#### Personal Eye Protection. Mesh Eye and Face Protector.

Material specifications, design, performance and test methods for eye and face mesh protectors, for professional use.

#### EN 379:2003 + A1:2009 Automatic Welding Filters

Harmonised European standard for automatic welding filters which switch their luminous transmittance to a lower predetermined value when an arc is ignited.



#### ANSI/ISEA Z87.1:2020

#### American National Standard - Personal Eye and Face Protective Devices

This standard provides minimum general requirements, test method, selection, use and maintenance of eye and face protection devices.

2 levels of protection: Z87 marking = "Basic Impact"

Z87+ marking = "High Impact"

## WATER AND OIL REPELLENT, ANTI SMUDGE COATING

OLEOPHOBIC TECHNOLOGY



STANDARD LENS

ENHANCED OLEOPHOBIC LENS

Portwest's oleophobic eye protection styles feature an oilrepellent, thin-film coating which creates a resistant surface that is impervious to dirt, dust, oils, and other particulates. This results in an easy to clean surface that also maintains a cleaner surface for longer than if untreated.

#### **BENEFITS:**

Workers can work more efficiently in wet outdoor conditions as lenses do not need to be wiped as frequently. Anti-fog coating can additionally be applied to the inner side of the lens for an even clearer, unrestricted vision increasing work safety.

#### **APPLICATIONS:**

Typical Applications include

- $\cdot\,$  Oil and gas industry
- Construction industry
- Manufacturing industry
- Spray-/Painters
- Outdoor sports (e.g., paintball)

## **OLEOPHOBIC EYE PROTECTION**





BACK

## OLEOPHOBIC AND DIRT REPELLENT LENS TREATMENT



## INNOVATIVE DESIGN ADD PRESCRIPTION LENSES TO YOUR SAFETY EYEWEAR

**PS03 FOCUS SPECTACLES** 

5-STEP EXTENDABLE ARMS FOR SECURE FIT REMOVABLE FOAM GASKET FOR ENHANCED PROTECTION FROM SHOCK AND DUST

INCLINABLE ARMS FOR PERFECTLY FITTING ANGLE

Portwest's PS03 Focus Spectacles provide unrivalled flexibility, offering the wearer many adjustment options. These spectacles are comfortable and built for all day use, with the addition of an inner foam gasket offering enhanced eye protection. The PA13 RX Focus Support insert allows wearers of prescription glasses to add corrective lenses as required. Any optician will be able to fit the user's own prescription lenses into the RX focus support. The combination of the PS03 Focus Spectacles and the PA13 RX Focus Support presents a simple and cost-effective alternative to prescription safety glasses.

RX INSERT TO ADD PRESCRIPTION LENSES

WIDE MONOBLOC POLYCARBONATE LENS FOR UNRESTRICTED VISION ANTI-FOG LENS COATING ANTI-SCRATCH LENS COATING



CLEAR AND SMOKE LENS TINTS AVAILABLE

## **SPECTACLES**





-





## DYNAMIC HIGH-TECH SAFETY SPECTACLES

 $\rightarrow$ 

## **SPECTACLES**







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## **SPECTACLES**





## **COMFORT, PROTECTION AND STYLE**

-

# **SPECTACLES**





# **SPECTACLES**

EN 166 1 FT

EN 170 2C-1.2 EN 172 5-3.1 AS/NZS 1337.1

Lightweight wrap-around design
 Single panoramic lens glasses
 Excellent side protection

E





## **SPECTACLES - ADJUSTABLE SIDE ARMS**







e

# **SPECTACLES - WRAP AROUND**



 $\rightarrow$ 

# **SPECTACLES**







# **SPECTACLES**





794

# **EYE PROTECTION ACCESSORIES**







· Elasticated spectacles cord

- · Adjustable length for a secure and comfortable fit
- Universal holder to fit most spectacles

#### Nylon, Rubber Black 68cm



 $\cdot \,$  Drawstring spectacles bag

For storage and cleaning of safety glasses
 Made of microfibre

Microfibre Black 10cm x 20cm



LENS CLEANING STATION

· Anti-static and anti-fog formula

· Supplied in handy 'ready to-hang' dispenser

· Suitable for all Portwest safety eyewear

· Low linting construction for minimal contamination

· Silicone free - Ideal for manufacturing, paint applications,

electronics and glass handling where silicone is problematic

PLASTIC FREE WIPES



**PLASTIC** 

**FREE WIPES** 

PA01

## LENS CLEANING WIPES

- Supplied in a handy portable dispenser box
- · Low linting construction for minimal contamination
- $\cdot$  Each towelette individually wrapped
- Silicone free Ideal for manufacturing, paint applications, electronics and glass handling where silicone is problematic
- Anti-static and anti-fog formula
- · 100 towelettes per box

159g White 13x20cm





XXXXXX 363g

White

# **SAFETY GOGGLE**







# GOGGLE





EN 170 2C-1.2 · Single panoramic lens glasses Flexible PVC frame for ultra comfort · Indirect ventilation Adjustable elastic headband for a perfect fit · Excellent side protection

· 99% UV protection



Polycarbonate, PVC 116g









#### **INDIRECT VENT GOGGLE** EN 166 1 B 3

ANSI/ISEA Z87 .1

- · Indirect ventilation
- · Flexible PVC frame for ultra comfort
- · Adjustable elastic headband for a perfect fit
- · Ultra lightweight for long uses
- · Protects from fluid and splashes
- · Excellent side protection

Polycarbonate, PVC 78g



## WELDING PROTECTION







6

**BIZWELD PLUS WELDING HELMET** EN 166 1 S EN 175 F EN 379 4 / 9-13 1/1/1/2

· Wheel ratchet size adjustment for easy fitting

- · Solar cell power with two built-in lithium back-up batteries and a working time of over 5000 hours
- · Superior optical quality LCD filter
- · Auto-darkening, switches from light to dark when the welding process starts
- · Suitable to be worn with disposable respirators
- · Suitable for a wide range of applications

# Polyethylene, PP, Nylon 500g



### **BIZWELD PLUS REPLACEMENT LENS** EN 166 1 S

- · Replacement front lenses for welding helmet PW65 Sold in packs of 5
- CE certified E
  - · Retail bag which aids presentation for retail sales
  - · Individually packed for vending machines



2

Polycarbonate 11.4cm x 9cm







# **ARC FLASH PROTECTION**



## **REDUCE THE DAMAGING EFFECTS OF ELECTRIC ARC**

## **FACE PROTECTION**



## **PPE PROTECTION KIT**

#### EN 166 1 B / 3 B EN 352-1 SNR 28DB

- · Browguard-visor combination with headband ear defenders
- Durable Polycarbonate visor with 1mm thickness
- · Clear visor for medium-energy impact protection
- · Ear defenders clip into headgear securely
- Soft foam sweat band included · Wheel ratchet size adjustment for easy fitting

Polycarbonate, PP, Nylon, ABS, Polyoxymethylene,

PVC 450g

## **TOTAL PROTECTION FROM HIGH SPEED** PARTICLES









· Browquard with stainless steel wire mesh

- · Simple and secure visor replacement

20cm x 40cm

Black

Galvanised Carbon Steel, PP, Nylon 250g



PW96 24 **FACE SHIELD PLUS** EN 166 1 BT 3 9 ANSI/ISEA Z87 + · Browguard including clear polycarbonate visor with aluminum edge Protects from impacts, metal splashes and hot solid projections Suitable for a wide range of applications Wheel ratchet size adjustment for easy fitting Replacement visor available Simple and secure visor replacement

Polycarbonate, Aluminium 320g

20cm x 40cm

800

# VISOR



## PS95

## **VISOR WITH CHIN GUARD**

#### EN 166 1 BT / 3 BT

- · Durable Polycarbonate visor with 1mm thickness
- Clear visor for medium-energy impact protection
- Chin guard for enhanced protection
- · CE certified
- · Retail bag which aids presentation for retail sales

#### Polycarbonate, ABS 170g Clear

18cm x 39cm

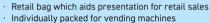


#### PW92 150 **REPLACEMENT CLEAR VISOR**



### EN 166 1B · Durable Polycarbonate visor with 1mm thickness

 Clear visor for medium-energy impact protection · For use with Portwest browguards PW90 / PW91 · CE certified



Polycarbonate Clear 20cm x 40cm







# PW94

## **REPLACEMENT MESH VISOR**

## EN 1731 F

- · Stainless steel wire mesh visor
- · For low-energy impact protection
- · Compatible with Portwest browguard PW93 and visor carriers PS58 and PW58 for use on helmets
- · CE certified
- · Retail bag which aids presentation for retail sales
- · Individually packed for vending machines

Galvanised Carbon Steel, PP 100g 20cm x 40cm



- · For medium-energy impact protection · Protects from impacts, metal splashes and hot solid projections
- · Replacement visor to be used on PW96 browguard support



Polycarbonate, Aluminium

## 20cm x 40cm

801

# SAFETY HELMETS

The rapidly expanding Portwest head protection range aims to benefit wearers by combining the most up-to-date styles with the highest standards in head protection, irrespective of job or location.

A wide selection of compatible accessories is also available. A full explanation of features and performances are given in order to help you make a more informed choice.

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# **CHOOSE THE RIGHT ACCESSORIES FOR YOUR HELMET**

|                                          |                     |                                               | Chin strap 2<br>points | Chin strap 4<br>points | Sweat band | Visor holder | Clip on ear<br>muff    |
|------------------------------------------|---------------------|-----------------------------------------------|------------------------|------------------------|------------|--------------|------------------------|
|                                          | Collection          | HELMET STYLE CODE                             | $\checkmark$           | Ø                      |            | Č.           | 6                      |
|                                          | PEAKVIEW            | PV50/<br>PV60/PV64                            | PW53                   | /                      | /          | PS58         | PW47/PS47              |
|                                          | ENDURANCE           | PW54/PS54<br>PW55/PS55<br>PG54/PC55 PB55/PW98 | PW53                   | PA48                   | PA45/PA55  | PS58         | PW62/PS45<br>PW47/PS47 |
| en e | HEIGHT<br>ENDURANCE | PS53/PS63<br>PS73                             | /                      | PA49                   | PA45/PA55  | PS58         | PW62/PS45<br>PW47/PS47 |
| $\mathbf{P}$                             | SKYVIEW             | PV74                                          | /                      | /                      | PA45/PA55  | PW58         | /                      |
| P                                        | MONTEROSA           | PW97                                          | /                      | /                      | /          | PS58         | /                      |
|                                          | FULL BRIM           | PS52                                          | /                      | /                      | /          | /            | /                      |
|                                          | EXPERTBASE          | PW50/ PW51 PS57                               | PW53                   | PA47                   | PA44       | PW58         | PW42/PS42/<br>PS45     |
|                                          | ARROW               | PS50                                          | PW53                   | /                      | /          | PW58         | /                      |



#### EN 397: 2012 Industrial Safety Helmets Mandatory tests:

• Impact\* : Energy spread to the head form must not exceed 5 kN after the fall of an object of 5 kg at 1m high.

· Penetration\* : The tip of the test mass used (3 kg from 1m height) must not come into contact with the skull.

· Flammability : The helmet is exposed to a flame and it must not burn with flame emission more than 5 seconds after removal of the flame.

\* Impact and penetration tests are performed at room temperature, at +50 °C and at -10°C. **Optional tests:** 

Resistance at extreme temperatures:

testing impact and penetration are performed at +150 °C, at -20°C or -30 °C temperatures.

#### • Electrical properties:

Protects against a short accidental contact with electric leads under voltage up to 440 Vac.

#### Lateral deformation:

Protects against lateral compression. The maximum deformation of the helmet should be ≤40 mm (LD). Molten metal splashes:

The helmet is not deformed or penetrated by splashes of molten metal (MM).



EN 50365: 2002 Insulating helmets for use on low voltage installations

This standard is for helmets used for working live or close to live parts on installations not exceeding 1000 V a.c. or 1500 V d.c. Testing to EN 50365 exceeds testing under EN397 for electrical properties. Marking: double triangle + class +batch number.

#### EN 12492: 2012

#### Helmets for mountaineers

This standard covers specialist mountaineers' helmets and it includes tests on helmet retention

strength and effectiveness to ensure the helmet is not inadvertently removed. To reflect the nature of the use, Impact and penetration tests are conducted on different points around the shell. Mountaineer requirements also apply to wearers working at height.



ANSI/ISEA Z89.1: 2014

American National Standard for Industrial Head Protection

TYPE I - Hard hats are designed only to withstand top impacts.

TYPE II - Hard hats designed to withstand impacts from the top and the side.

Class C - Conductive Helmet = the hard hat will not protect the wearer from electrical hazards.

Class G - General Helmet = helmet can withstand an electrical current up to 2,200 volts.

Class E - Electrical Helmet = helmet that providing the highest level of electrical protection, withstanding currents up to 20,000 volts.

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# **PEAK**VIEW<sup>™</sup> TRANSLUCENT HELMET

The Peak View Hard Hat is a Portwest exclusive design and patented model. The translucent shell and see through peak and sides allow the wearer to look upwards without the need to tilt the head. The extra strong yet ultra light weight polycarbonate shell offers UV ray protection. This innovative, market leading design is available in 4 style options that come in 8 colour ways. Peakview is the safest and most comfortable solution for your head protection.

PEAKVIEW is a trademark of Portwest.

## **MAXIMUM PERIPHERAL VISION** UNLIKE TRADITIONAL HARD HATS

PEAKVIEW IS A TRADEMARK OF PORTWEST.

## PV50 PEAK VIEW HARD HAT VENTED



ANSI/ISEA Z89.1 TYPE II CLASS C

- · Portwest exclusive design and patented model Translucent shell to see through peak and sides
- · UV 400 stabilised
- · Vented helmet shell to allow air circulation cooling the wearer's head
- · 6-point textile suspension harness for enhanced wearing comfort and safety
- · Size adjustable headband via slip ratchet system

#### Polycarbonate, Polyester 352g

Blue, Clear, Green, Orange, Pink, Red, Smoke, Yellow 50cm-66cm





# **RATCHET HARD HAT**



## PEAK VIEW RATCHET HARD HAT VENTED EN 397 -20°C

#### ANSI/ISEA Z89.1 TYPE II CLASS C

- · Portwest exclusive design and patented model
- · Translucent shell to see through peak and sides
- · UV 400 stabilised
- · Vented helmet shell to allow air circulation cooling the wearer's head
- · 6-point textile suspension harness for enhanced wearing comfort and safety
- · Size adjustable headband via wheel ratchet system

Polycarbonate, Polyester 390g 50cm-66cm



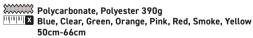




## PEAK VIEW PLUS RATCHET HARD HAT

#### EN 397 440 VAC/-20°C ANSI/ISEA Z89.1 TYPE II CLASS G

- · Portwest exclusive design and patented model
- Translucent shell to see through peak and sides
- UV 400 stabilised
  - · Unvented helmet shell for safe use with electrical applications
  - $\cdot$  6-point textile suspension harness for enhanced wearing comfort and safety
  - · Size adjustable headband via wheel ratchet system









# **HEIGHT ENDURANCE HELMET**





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PS73

EN 12492

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## HEIGHT ENDURANCE VENTED HELMET

#### EN 397 -30°C / +50°C

- · Specially designed for working at height
- · Vented helmet shell to allow air circulation cooling the wearer's head
- · 6-point textile suspension harness for enhanced wearing comfort and safety
- · Size adjustable headband via wheel ratchet system
- · Chin strap included
- · Light and robust

#### ABS 410a

Hi-Vis Orange, Royal Blue, White, Hi-Vis Yellow 52cm-63cm





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# ENDURANCE HELMET



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# **SPECIALITY HELMET**



# **SPECIALITY HELMET**



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FORESTRY COMBI KIT EN 397 -30°C/+50°C, LD EN 352-3

EN 1731 F ANSI/ISEA Z89.1 TYPE I CLASS C ANSI S3.19 (EAR MUFF) ANSI/ISEA Z87.1 (VISOR HOLDER + MESH VISOR)

- · Vented helmet shell to allow air circulation cooling the wearer's head
- 6-point textile suspension harness for enhanced wearing comfort and safety
- · Size adjustable headband via wheel ratchet system
- · Chin strap included

PW98

- $\cdot \,$  Soft foam sweat band included
- · Replacement accessories available

ABS, Stainless Steel, Polystyrene, PU 795g





#### EN 397 -30°C/+50°C, MM, LD, 440V A.C. EN 50365 CLASS:0

- Unvented helmet shell for safe use with electrical applications
- Glow effect in the dark thanks to photoluminescent additive
- Electrical insulation up to 1000Vac or 1500Vdc (EN 50365)

 6-point textile suspension harness for enhanced wearing comfort and safety

 Size adjustable headband via wheel ratchet system
 Chin strap included



ABS 472g

56cm-63cm



**GLOWS IN THE DARK** 

## PC55 ENDUR EN 397 -3 C C Vented h wearer's

## ENDURANCE CARBON LOOK HELMET

## EN 397 -30°C/+50°C, LD

- Vented helmet shell to allow air circulation cooling the wearer's head
- · Innovative eye catching carbon fibre design
- δ-point textile suspension harness for enhanced wearing comfort and safety
- · Size adjustable headband via wheel ratchet system
- $\cdot \;$  Chin strap included
- · Compatible accessories available

ABS 465g Grey 56cm-63cm

> NEW AND INNOVATIVE HYDRO DIPPED PAINT





# HELMET





## **MONTEROSA SAFETY HELMET**

#### EN 397 -30°C / +50°C

- · Vented helmet shell to allow air circulation cooling the wearer's head
- · 6-point plastic suspension harness for wearing comfort, safety and easy cleaning · Size adjustable headband via slip ratchet system
- · Chin strap included
- · Soft foam sweat band included
- · Lightweight and comfortable

## E 358g

Royal Blue, White, Yellow 52cm-62cm





## PS52

## FULL BRIM FUTURE HELMET

#### EN 397 -10°C/+50°C ANSI/ISEA Z89.1 TYPE I CLASS E

- · Full brim hard hat: its wide profile provides extra protection against sun, glare, rain, debris and non-toxic splashes
- · 4-point plastic suspension harness for wearing comfort, safety and easy cleaning
- · Size adjustable headband via wheel ratchet system
- · Soft foam sweat band included
- · Up to 7 years lifetime from manufacturing date (as long as undamaged) · CE certified

#### PP, Polyethylene 465g White

52cm-63cm

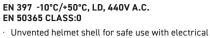




# HELMET



## PW50 EXPERTBASE SAFETY HELMET



- applications

  Electrical insulation up to 1000Vac or 1500Vdc (EN)
- 50365) 4-point plastic suspension harness for wearing
- comfort, safety and easy cleaning Size adjustable headband via slip ratchet system
- Soft foam sweat band included
- Available in multiple colourways



PP, PE 366g

Black, Green, Orange, Red, Royal Blue, White, Yellow 55cm-62cm

## LIGHTWEIGHT HEAD PROTECTION







## ARROW SAFETY HELMET

## EN 397 -10°C/+50°C

- ANSI/ISEA 289.1 TYPE I CLASS C Vented helmet shell to allow air circulation cooling the wearer's head
- Helmet shell with rain gutter
- 6-point plastic suspension harness for wearing comfort, safety and easy cleaning
- · Size adjustable headband via slip ratchet system
- · Lightweight and comfortable
- · Compatible accessories available

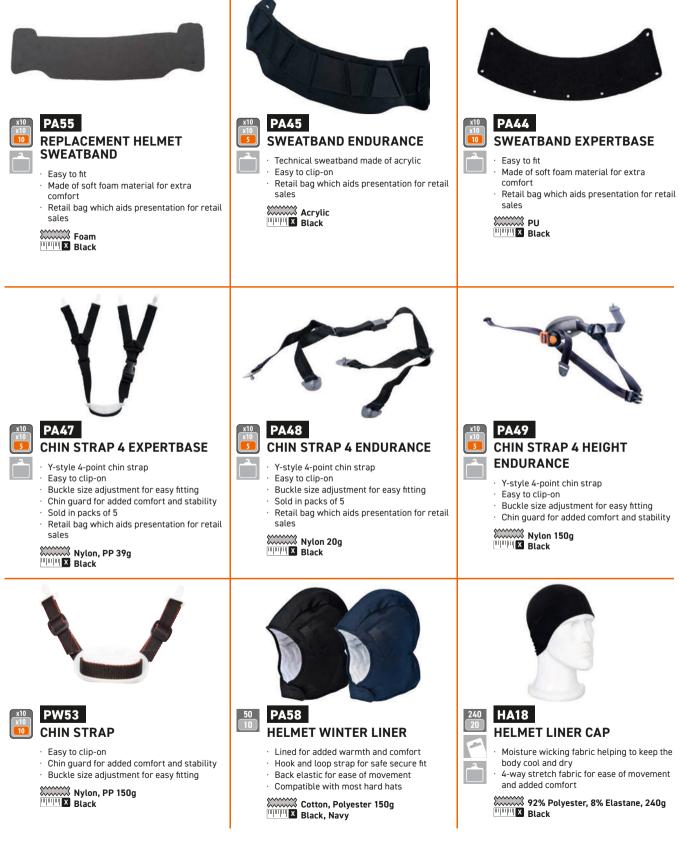
#### HDPE, PE 326g

Royal Blue, White, Yellow 53cm-65cm



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## **HEAD PROTECTION ACCESSORIES**



# **HEAD PROTECTION ACCESSORIES**



# HELMET MOUNTED LIGHTS

The Portwest lights range is designed to provide premium quality, high performance lighting for increased safety. Efficient run times and optimum brightness ensure a long lasting, reliable, multifunctional solution for all your needs. Our compact and ergonomic designed offering gives the user total dependability and versatility in hard working environments.



Brightness

Brightness is measured in lumens (LM). This icon denotes how many lumens each light can produce allowing you to pick the right light for the right job.



Run time

Run time means the amount of time you can expect to get from your light from fully powered to empty. This allows you to choose the right ratio of brightness to run time to suit you best.



USB Rechargeable Lights will fully charge from any USB Port.



## HV29 MAGNETIC USB RECHARGEABLE HELMET LIGHT ROHS CE · Magnetic housing makes it easy to put on and remove · Adhesive backing to attach housing to helmets · Compatible with most hard hats · USB rechargeable li-ion battery · Brightness 150 lumens · Function high-medium-flash ABS X Black 6.5cm x 4.5cm x 2.5cm (-) 4HRS ат 150LM **USB INNOVATIVE** LIGHTING **SOLUTIONS**





## **POWERFUL PORTABLE LIGHTING SOLUTIONS**

# **BUMP CAPS**

Bump Caps can reduce the risk of head injuries in the workplace by providing head protection against minor bumps and scrapes.

Combining the comfort and style of a sport cap with the added protection of a plastic protective shell and soft pads, Portwest Bump Caps provide a light weight, comfortable solution to head protection. The fashionable design also means it is a form of safety wear that employees will actually want to wear.

> **EN812:2012 - Industrial Bump Caps** European standard for bump caps for industry, describing mandatory impact and penetration tests.



# **BUMP CAP**

#### 60 10 USB RE

#### USB RECHARGEABLE LED BUMP CAP EN 812 CE

ROHS

- Equipped with a removable and USB rechargeable light
- Inner ABS shell and soft pad for shock absorption
- Durable high density EVA protects and gives comfort to the wearer
- · Brightness 150 lumens
- · USB rechargeable li-ion battery
- · Run time 2 hours high, 4 hours low

Cotton, ABS, EVA 170gm







## **BUMP CAP**



818 REDUCE EXPOSURE TO LACERATIONS, ABRASIONS AND MINOR BUMPS

# **BUMP CAP**



NOTE: Bump Caps protect against impacts from knocks against structures and objects. They don't protect against falling objects and in all cases where a Safety Helmet is required.

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# **HEARING PROTECTION**

Portwest's hearing protection range includes PPE with different level sound attenuation, to be adapted to various working environments giving the correct protection from dangerous noise, without isolating the workers. This range of earmuffs offers a variety of models and colours allowing a personalised choice.





## EN 352-1: 2020

Hearing Protectors - Ear Muffs

EN 352-2: 2020 Hearing Protectors - Ear Plugs

EN 352-3: 2020 Hearing Protectors - Helmet Mounted Ear Muffs

EN 352-4: 2020 Hearing Protectors - Level Deper

Hearing Protectors - Level Dependent Ear Muffs

EN 352-8: 2020 Earmuffs with Entertainment Radio

All these standards establish requirements with regards to the manufacture, design, performances and test methods.

SNR (Simplified Noise Reduction):

Single average value of attenuation.

HML : Attenuation values expressed in terms of average levels of frequencies: H : Attenuation of PPE at high frequencies (pitched noises).

M : Attenuation of PPE at medium frequencies.

L : Attenuation of PPE at low frequencies (bass sounds).



ANSI S3.19 1974 American National Standard - Methods for Hearing Protection Measurement

This standard specifies the test method for determining the level of noise attenuation (NRR Noise Reduction Rating) of the hearing protection, as recommended by the EPA (U.S. Environmental Protection Agency).



820

AS/NZS 1270 2002 Australian and New Zealand standard for Hearing Protectors Devices.

This standard specifies the attenuation offered by a hearing protection device through Sound Level Conversion (SLC80).

The PPE Regulation (EU) 2016/425 has a risk approach which defines harmful noise as a risk that may cause very serious hearing injuries. As a result, the Regulation has recategorized hearing protection from Category 2 Risk PPE (Intermediate) to Category 3 Risk (Complex).

The Control of Noise at Work Regulations 2005

The Noise Regulation 2005 requires employers to prevent or reduce risks to health and safety from exposure to noise at work. It asks to take specific actions and defines action levels and limit values of exposure to noise:

|                                                         | Daily / Weekly average<br>exposure to noise | Peak Sound pressure |
|---------------------------------------------------------|---------------------------------------------|---------------------|
| LOWER EXPOSURE ACTION VALUES                            | 80dB                                        | 135dB               |
| UPPER EXPOSURE ACTION VALUES                            | 85dB                                        | 137dB               |
| LEVELS OF NOISE EXPOSURE THAT<br>MUST NEVER BE EXCEEDED | 87dB                                        | 140db               |

## How To Protect Yourself?

4 Steps To Choose The Appropriate Hearing Protection.

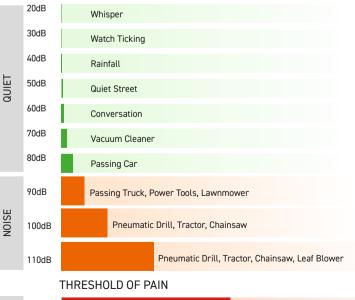
1. Identify the nature of the noise: stable, fluctuating, intermittent or pulse.

2. Measure the noise at the working station: intensity (dB) and volume (Hz).

3. Determine the exposure time.

4.Calculate the required attenuation needed. The attenuation level offered by the hearing protector should bring the noise to a level that is not harmful to health whilst avoiding over-protection which would isolate the worker.

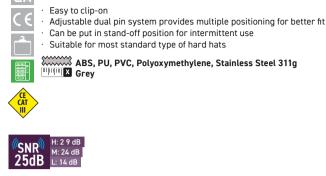
## Do You Value Your Hearing?





# **HELMET MOUNTED EAR DEFENDERS**

**PREMIUM CLIP-ON EAR PROTECTOR** 



**PS45** 

EN 352-3 SNR 25DB

60





PW47 / PS47 Attenuation Levels

Endurance Helmets Height Endurance Helmets



**Peak View Helmets** 



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# **HEADBAND EAR DEFENDERS**



ANSI S3.19 NRR 25DB

- AS/NZS 1270 SLC(80) 31DB CLASS 5
- $\cdot\,$  Folds to palm size for better carriage and to keep clean
- Lightweight and comfortable
- Adjustable dual pin system provides multiple positioning for better fit
- Retail bag which aids presentation for retail sales
   Individually packed for vending machines

HIPS (High Impact Polystyrene), PU Foam, Polyoxymethylene, Stainless Steel 257g









# **EAR PLUGS**





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# LUGGAGE

The essential collection of versatile luggage pieces, suitable for travel, work or general everyday use. Robustly constructed with strong materials and resilient components. Reliability and durability guarantee 100% customer satisfaction.



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#### PW3 HI-VIS RUCKSACK

- Heat applied segmented reflective tape for added visibility
- · 38cm/15 laptop sleeve
- Pull string front provides extra storage
- $\cdot$  Two mesh water bottle pockets double as
- multi-use pockets Padded mesh back panel and a breathable lumbar panel for comfortable ventilated support

100% Polyester 600D Fabric

Yellow

47cm x 30cm x 19.5cm Capacity 25 Litres



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#### SMART AND COMPACT QUALITY BACKPACKS

-

# LUGGAGE



#### HI-VIS RUCKSACK

- · Padded double straps for added support
- · Reflective tape for increased visibility
- Padded back panel for wearer comfort
- · Phone pocket

100% Polyester 600D Fabric 210T PA Coated Fabric Orange, Yellow 28cm x 21cm x 43cm

Capacity 25 Litres





#### Padded double straps for added support

- Reflective tape for increased visibility
- Ergonomic quick release buckle
- Padded back panel for wearer comfort
- Phone pocket

100% Polyester 600D Fabric 210T PA Coated Fabric Orange

28cm x 21cm x 43cm

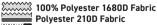


**QUICK RELEASE** 





- · Ideal backpack for day-to-day use
- · Durable 1680D polyester construction
- Three main zipped compartments
- · Adjustable straps for a secure fit
- · Padded shoulder straps for added comfort



Black 35cm x 22cm x 50cm Capacity 35 Litres





**SMART AND COMPACT QUALITY BACKPACKS** 



25 LITRES

# PREMIUM HOLDALL AND BAG

Portwest's premium holdall collection is constructed from high-quality premium materials with a modern and stylish design. Hardwearing and ergonomic this collection of holdalls offers the wearer excellent storage while ensuring maximum durability. Ideal for work, travel or general everyday use.



#### B951 PW3 100L WATER-RESISTANT DUFFLE TROLLEY BAG

- · Incredibly durable and hardwearing
- · Sturdy inline wheel system
- · Telescopic handle
- Webbing loops to attach extra luggage
   Detachable and adjustable ergonomic shoulder straps
- Robust base panel



78cm x 37cm x 35cm Capacity 100 Litres



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# **PREMIUM HOLDALL**



- Incredibly durable and hardwearing
   Detachable and adjustable ergonomic shoulder straps
- Webbing loops to attach extra luggage
- · Inner separate mesh compartment
- · Robust base panel

Ripstop TPU 200D PU Black 70cm x 34 x 30cm Capacity 70 Litres





#### **60L DUFFLE BAG**

- Ideal for carrying tools, equipment or for use as a travel bag
- · Two zipped compartments
- · Robust base panel
- Adjustable shoulder strap for added comfort

100% Polyester 600D Fabric 200D PU Black

65cm x 25cm x 35cm Capacity 60 Litres





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## LUGGAGE AND TOOL STORAGE

35 LITRES





#### TRAVEL BAG

- · Ideal for carrying tools, equipment or for use as a travel bag
- · Two zipped compartments
- · Robust base panel
- · Adjustable shoulder strap for added comfort











- Waterproof PVC construction ideal for enduring work and weather conditions
- Inner separate mesh compartment
- $\cdot\,$  Adjustable shoulder strap for added comfort
- Robust base panel

100% Polyester 45C/600D PVC Fabric Black 57cm x 34cm x 34cm Capacity 70 Litres

**KEEP YOUR EQUIPMENT SAFE AND SECURE** 

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# LUGGAGE AND TOOL STORAGE





**MULTI-POCKET TRAVEL BAG** 

- · Sturdy inline wheel system
- · Multiple side zip compartments for secure storage
- Padded double straps for added support
- · Robust base panel
- · Telescopic handle

100% Polyester 600D Fabric, 190T PA Coated Fabric Black One Size Capacity 70 Litres L73cm x W33cm x H29cm



Capacity 100 Litres
 L60cm x W40cm x H42cm





TRAVEL TROLLEY BAG

- Sturdy inline wheel system
- · Telescopic handle
- $\cdot\,$  Three sections divided with hook and loop strip dividers
- Durable 600D polyester fabric construction
- · Detachable and adjustable ergonomic shoulder straps
- · Robust base panel

100% Polyester 600D Fabric 210T PA Coated Fabric Black

Capacity 100 Litres 76cm x 37cm x 36cm





- · Softshell open tool bag
- Collapsible sides and removable base
- · Provides easy access for all contents
- Incorporates a strengthened bar with cushion grip for ease of mobility
- Features 4 open pouches, 1 covered pocket, 1 D-ring
- 6 outer attachment loops

600D Polyester

Black

38cm x 20cm x 25cm Capacity 14 Litres

#### TRANSPORT YOUR WORKWEAR AND PPE WITH EASE

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14 LITRES

# KNEE PROTECTION

Portwest knee protection range offers knee protection to suit every situation;

• Type 1 Strap On Knee Pad • Type 2 Strap On Knee Pad

All Portwest knee pads use premium high density material to provide the user with the best protection possible for their knees no matter what the hazard.

# **TYPE 1 STRAP ON KNEE PAD**



#### KP60 THIGH SUPPORT KNEE PAD

EN 14404:2004+A1:2010 TYPE 1 LEVEL 1

- $\cdot~$  Extra support to the quadriceps above the knee with upper strap
- $\cdot\;$  Hinge knee pad design for ease of movement and prevents bunching
- Thermoplastic rubber non-slip cap
- Thick gel foam padding for comfort
- · Durable and hardwearing neoprene straps
- · CE certified

PP Cap, TPR, 600D Polyester, SBR, EVA Foam, Gel



FRONT

BACK

#### KP40 ULTIMATE GEL KNEE PAD

#### EN 14404:2004+A1:2010 TYPE 1 LEVEL 1

- Tough abrasion resistant PVC shell
- $\cdot \;$  Thick silicone gel adapts to your kneecap
- Ergonomically designed and tested straps ensure no pinching to the back of the wearers leg
   CE certified
- Retail box which aids presentation for retail sales
- PVC Shell, Nylon, EVA Foam, Neoprene
  - 21.5cm x 18.5cm

#### PROTECT KNEES FROM HARD AND ROUGH SURFACES





FRONT

BACK

## **TYPE 1 STRAP ON KNEE PAD**



FRONT

BACK





FRONT

BACK



#### EN 14404:2004+A1:2010 TYPE 1 LEVEL 0

- · Ergonomically designed and tested straps ensure no
- pinching to the back of the wearers leg
- A strong and durable outer shell makes for a long lasting tough knee pad
- Silicone gel inserts protect joints and ensure great wearer comfort
- · CE certified
- · Retail box which aids presentation for retail sales

### PVC Shell, Nylon, EVA Foam, Neoprene

22cm x 19cm x 2cm



Black 26.5cm x 19cm x 2.5cm





FRONT





Breathable inner fabric allows air to circulate
 A thick foam centre cushions the wearers knee

TPR, EPE Foam, Polyester



FRONT

BACK



#### KP10 HIGH DENSITY KNEE PAD

- · Uses high density polyurethane
- Protects and cushions your knee
- · Ribbed designed for stability
- · Prevents water absorption in wet environments

#### Polyurethane

- Black
  - 15.5cm x 14.5cm x 2cm

# **TYPE 2 STRAP ON KNEE PAD**





CIPATION CIPATION E MIAADA 2004 Diges 2 Log / H1 C Cime Size

FRONT

BACK

### TAKING CARE OF YOUR KNEES

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# **KNEELING PAD, ELBOW PAD AND SUPPORT BELT**





BACK



Latex, Polyester Black S-XL



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# EQUIPMENT RANGES ONLY AVAILABLE ON PORTWEST.COM

Additional products from our fall protection, spill protection, knives and accessories ranges can be found online. To check stock and place orders visit portwest.com.







# SPILL PROTECTION

www.portwest.com/spillprotection



# REGISTERED COMMUNITY DESIGNS

INNOVATIVE DESIGN IS AN INTEGRAL PART OF THE PORTWEST PRODUCT DEVELOPMENT PROCESS

Our designs are a combination and integration of function and fit with many design elements including colour, texture, space, lines, pattern, silhouette, shape, proportion, balance and emphasis.

Our flagship designs are registered as a Registered Community Design with EUIPO – European Union Intellectual Property Office.

A listing of our registered community designs can be found at: **www.portwest.com/registereddesigns** 



### COLOUR GUIDE



PANTONE 289C

PANTONE BLACK



PANTONE 186C

PANTONE 7686C

PANTONE 7642CP

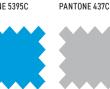
PURPLE MAROON

PANTONE 7672C



SKY BLUE

PANTONE 2171C



HEATHER GREY

PANTONE COOL GRAY 4CP PANTONE 7698C



AQUA BLUE

YELLOW PANTONE 109C

KELLY GREEN PANTONE 7727CP

RED

WARM RED C

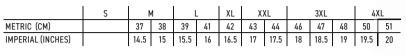
Pantone references are for colour guidance only and fabrics may not be an exact match in all cases.

# SIZE CONVERSIONS

These size charts show body measurements and should be used as a guide when choosing the correct size. For example a person with a chest circumference of 108cm -112cm would take a size L when choosing a jacket or coverall.



# MEN'S NECK



#### MEN'S WAIST

|                   | Х  | S  |    | S  | 1  | М  |    | L  | Х   | L   | X   | KL  | 3   | (L  | 4XL   |     |     | 5XL |     |
|-------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|
| METRIC (CM)       | 68 | 72 | 76 | 80 | 84 | 88 | 92 | 96 | 100 | 104 | 108 | 112 | 116 | 120 | 124   | 128 | 132 | 136 | 140 |
| IMPERIAL (INCHES) | 26 | 28 | 30 | 32 | 33 | 34 | 36 | 38 | 40  | 41  | 42  | 44  | 46  | 47  | 48    | 50  | 52  | 54  | 56  |
| EURO - DE, NL, BE | 42 | 44 | 46 | 48 |    | 50 | 52 | 54 | 56  |     | 58  | 60  | 62  |     | 64/66 | 68  | 70  | 72  | 74  |
| EURO - FR, ES, PT | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50  | 52  | 54  | 56  | 58  |     | 60/62 | 64  | 66  | 68  | 70  |

#### MEN'S CHEST

|                   | X  | (S |    | XS |    | 5  | 5  | N   | ч   |     | L   |     | XL  |     | X   | KL  | 3)  | (L  | 4)  | L   |     | 5XL |     |     | 6XL |     |     | 7XL |     |     | 8XL |     |
|-------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| METRIC (CM)       | 72 | 76 | 80 | 84 | 88 | 92 | 96 | 100 | 104 | 108 | 112 | 116 | 120 | 124 | 128 | 132 | 136 | 140 | 144 | 148 | 152 | 156 | 160 | 164 | 168 | 172 | 176 | 180 | 184 | 188 | 192 | 196 |
| IMPERIAL (INCHES) | 28 | 30 | 32 | 33 | 34 | 36 | 38 | 40  | 41  | 42  | 44  | 46  | 47  | 48  | 50  | 52  | 54  | 55  | 56  | 58  | 60  | 62  | 64  | 65  | 66  | 67  | 69  | 71  | 73  | 74  | 76  | 77  |
| EURO              | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50  | 52  | 54  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 70  | 72  | 74  | 76  | 78  | 80  | 82  | 84  | 86  | 88  | 90  | 92  | 94  | 96  | 98  |
| LEISUREWEAR       | Х  | S  |    |    | 5  |    |    | М   |     |     | L   | Х   | L   | X   | KL  |     | 3XL |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

#### WOMEN'S BUST

| _ |                                  |    | XS |       |    | 5  | 1  | 4  | L     |     | Х   | L   | X   | KL  | 3)  | (L  | 4)  | (L  |
|---|----------------------------------|----|----|-------|----|----|----|----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ١ | METRIC (CM)                      | 72 | 76 | 80    | 84 | 88 | 92 | 96 | 100   | 104 | 108 | 112 | 116 | 120 | 124 | 128 | 132 | 136 |
| I | MPERIAL (INCHES)                 | 28 | 30 | 32    | 33 | 34 | 36 | 38 | 40    |     | 42  | 44  | 46  | 47  | 48  | 50  | 52  | 54  |
|   | EURO – DE, BE,<br>NL, NO, SV, DK | 32 | 34 | 36    |    | 38 | 40 | 42 | 44    |     | 46  | 48  | 50  |     | 52  | 54  | 56  | 58  |
| E | EURO – FR, ES, PT                | 34 | 36 | 36/38 |    | 40 | 42 | 44 | 46/48 |     | 48  | 50  | 52  |     | 54  | 56  | 58  | 60  |
| Ī | TALY - IT                        | 36 | 38 | 40    |    | 42 | 44 | 46 | 46    |     | 50  | 52  | 54  |     | 56  | 58  | 60  | 62  |
| ι | JK                               |    |    |       | 8  | 10 | 12 | 14 | 16    |     | 18  | 20  | 22  | 24  |     | 26  | 28  | 30  |
| L | EISUREWEAR                       |    | XS |       |    | 5  | 1  | 4  | L     | XL  | 2)  | KL  | 3)  | (L  | 4)  | (L  |     |     |

#### WOMEN'S WAIST

| R    |   |
|------|---|
|      |   |
| ×()) | Π |
| M    |   |

|   |                                  | XS    |    | 9, | 5  | 1  | М  |    | _  | Х  | L  |     | XXL |     | 3)  | (L  |     | 4XL |     |
|---|----------------------------------|-------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | METRIC (CM)                      | 60    | 64 | 68 | 72 | 76 | 80 | 84 | 88 | 92 | 96 | 100 | 104 | 108 | 112 | 116 | 120 | 124 | 128 |
| • | IMPERIAL (INCHES)                | 22    | 24 | 26 | 28 | 30 | 32 | 33 | 34 | 36 | 38 | 40  | 41  | 42  | 44  | 46  | 47  | 48  | 50  |
|   | EURO – DE, BE, NL,<br>NO, SV, DK | 32/34 | 36 | 38 | 40 |    | 42 | 44 | 46 | 48 | 50 | 52  |     | 54  | 56  | 58  | 60  | 62  | 64  |
|   | EURO - FR, ES, PT                | 34/36 | 38 | 40 | 42 |    | 44 | 46 | 48 | 50 | 52 | 54  |     | 56  | 58  | 60  | 62  | 64  | 66  |
|   | ITALY - IT                       | 36/38 | 40 | 42 | 44 |    | 46 | 48 | 50 | 52 | 54 | 56  |     | 58  | 60  | 62  | 64  | 66  | 68  |
|   | UK                               |       | 6  | 8  | 10 | 12 | 14 |    | 16 | 18 | 20 | 22  |     | 24  |     | 26  |     | 28  |     |

Note: Garment sizes vary depending on the style.

#### FOOTWEAR SIZE CHART

It is recommended to have your foot measured when purchasing footwear as there is no exact standard for converting shoe sizes.

| UK WOMEN'S SIZE | 1  | 2  | 3  | 4  | 5  | 6  | 6.5 | 7  | 8  | 9  |    |      |    |    |    |    |    |    |    |
|-----------------|----|----|----|----|----|----|-----|----|----|----|----|------|----|----|----|----|----|----|----|
| US WOMEN'S SIZE |    |    | 5  | 6  | 7  | 8  | 8.5 | 9  | 10 | 11 |    |      |    |    |    |    |    |    |    |
| EURO SIZE:      | 34 | 35 | 36 | 37 | 38 | 39 | 40  | 41 | 42 | 43 | 44 | 45   | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| UK MENS SIZE    | 1  | 2  | 3  | 4  | 5  | 6  | 6.5 | 7  | 8  | 9  | 10 | 10.5 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| US MENS SIZE    |    |    | 4  | 5  | 6  | 7  | 7.5 | 8  | 9  | 10 | 11 | 11.5 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |



9

NECK SIZE

WAIST SIZE

CHEST/BUST SIZE

3

11

12 13 15 14

MEASURE AS INDICATED ON THE FIGURE TO FIND YOUR SIZE

# **KEY SYMBOLS**

.

Dual ID holder

Anti-scratch design

Internal tablet pocket

Free spec cord

ID card display

lining.

Dual ID holder allows use of both portrait and landscape

Anti-scratch design with no exposed metal parts

Detachable lining This symbol indicates that the garment has detachable

This symbol indicates that an internal tablet pocket is

included in the garments which carry this symbol.

Free spec cord with styles showing this symbol.

#### Stretch panelling

CF certified

This symbol indicates the garment has stretch panelling in key movement areas for greater flexibility.

This symbol indicates conformity of essential health and

safety requirements as set out in European Directives.

#### E



UKCA marked This symbol indicates UKCA marking in progress at time of print. All products placed on the UK market from January 2023 must be UKCA marked.



This symbol indicates that a mobile phone pocket is included in the garment.

top or bottom of the garment.

Reversible garment

Breathable garment

performance breathable fabric.

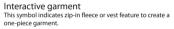
Half elasticated waist

for all-day comfort for the wearer.

Phone pocket



#### Print access This symbol indicates that garments have print/embroidery access



Two-way zipper This symbol indicates that the zip can be opened from the

This symbol indicates that garments are reversible.

This symbol indicates that the garment is made of a high

This symbol indicates a half elastic waistband which allows



**Knitting Gauge** This symbol denotes the knitting gauge of the fabric.



This symbol indicates that the garment is designed with

Anti-scratch Surface coating intended to mitigate scratch effects on the lens

Anti-fog Surface treatment which helps reducing fogging effects on the lens

Lateral deformation Optional test for safety helmets, it indicates the resistance to lateral compressions.



Fully elasticated waistband This symbol indicates a fully elasticated waistband on the trouser which allows for all-day comfort for the wearer



Knee pad pockets Many of our products incorporate knee pad pockets. These garments have been developed to carry our range of ergonomically designed knee pads



This symbol indicates that the garment has taped waterproof seams.



Welded waterproof seams This symbol indicates that the garment has high-frequency welded waterproof seams.



This symbol indicates compliance with EN ISO 20471 after 50 washes\* \*Minimum requirement under the FN norm is 5 washes



LD



Molten metal

RIS symbol This symbol indicates that the garment meets the rail industry standard for high visibility warning clothing. Orange only

molten metals and hot solids projection.

Optional test for safety helmets, it indicates the resistance to



Heat applied reflective tape HS This symbol indicates that the garment has heat applied reflective tape



Vending ready This symbol indicates that this product has been individually packed for vending machines.



FR,IW

Indicates that the garment has double-stitched, industrial

wash, flame resistant reflective tape.

FR.IW

100% metal free

#### PRODUCT FEATURES











**5X** 



5XL

largest size.

brochure.

Indicates the size range of

the product from smallest to

New style This symbol indicates a new

product has been added to the

Indicates the number of PET bottles used, calculated using a 550ml bottle and based on a size | product.

mm



PORTWEST

PLANET

FIT

MATERNITY

Made for women This symbol indicates that the products have been designed for a women's fit with their safety in mind

Portwest planet

fabrics or materials

Maternity Fit

This symbol indicates eco

conscious products made using

certified recycled or sustainable

This symbol indicates products

designed for pregnant women

that have been specifically



CF CAT III Indicates the product is CE marked as a Category 3 item for complex design.



#### Multi-way Garment

This symbol indicates the garment is multifunctional and can be worn different ways.



Padded This symbol indicates the garment is padded to trap the heat and increase warmth



Lined

This symbol indicates the very deep dye colours within

This symbol indicates the material used in the upper

This symbol indicates the material used in the sole of the product. The F code refers to the outsole design

This symbol indicates the garment is lined for added warmth and comfort

#### PRODUCT DETAIL SYMBOLS



Fabric This symbol indicates garment fabric details





Linina This symbol indicates the garment lining details



Wadding

This symbol indicates the deep dye colours within that product range

This symbol indicates the garment wadding details

#### PACK & CARTON QUANTITY



Carton Quantity This symbol indicates the quantity of products in a carton which do not have inner boxes.



Retail box Indicates that the item is shipped with a retail box to aid product presentation for retail sales



for more information. **Retail Tag** 

Garment Hanger

This symbol indicates that this item is shipped with a retail tag to aid product presentation for retail sales.



ШШШ Z

presentation for retail sales. All other styles are packed in flat-pack plastic bags to keep items clean. All products have barcodes. Ask the sales team for more information.



retail sales.

#### PACKING QUANTITIES

This indicates how many products are packed per box and carton. All of our products are sold one size and one colour per carton.

Packing Terms B = Inner B C = Outer Carton P = Pallet

Unit of Sales (UOS) This is the minimum order quantity of a product. Unless indicated otherwise the UOS is normally one piece or one pair.

Examples of units of sale (UOS) 1 = Singles = Garments, specialist gloves sold in singles 2 = Pair = Footwear, most gloves

B = Inner box = Disposable gloves C = Carton = Biztex, Disposables, A800 gloves



Example 1

10 = Inner Box

Ouantity

1 piece

200

10

Example 1

UOS=1

In this case the UOS = Where pack symbols

1 = Singles





Example 3 UOS=10



Boxes Per Mid Pack

Per Carton

Number of Individual Pieces Per

UOS and is coloured orange to





Example 3

10 = Inner Box

show this.

B = Inner Box

7-Colour

Upper

Sole

.e.g. F12

of the product

that product range

Retail Bag This symbol indicates that this packaging aids product



This symbol indicates that items are blister-packed for

50

#### Example 4 50 = Inner Box

#### x10 = The Number of Inner

x6 = The Number of Mid Packs

Inner Boxes Per Carton (10x6 = 60)



In this case the inner box is the show this.

C = Outer Carton









Example 2 UOS=3000

In this case the outer

carton quantity is the orange to show this.

2 = Pair





is placed.

Example 2

UOS and is colour coded Ordering 1 unit = 3000 pieces when the order



# MERCHANDISING

# CREATE A STRONG PRESENCE AND DRIVE SALES

Engage customers and drives sales with display units from our comprehensive suite of merchandising and point of sale products

They are versatile, flexible and easy to use. We will work with you to design and create the perfect retail space that shows off the brand and helps you sell more products.



# **RETAIL READY INDEX**

The products listed below are retail ready, they are packed with either a retail hanger, retail hook, retail tag, retail bag or are blister packed.

| Code         |     | Code         |     | Code |     | Code |     | Code         |     | Code         |     | Code         |     | Code  |     |
|--------------|-----|--------------|-----|------|-----|------|-----|--------------|-----|--------------|-----|--------------|-----|-------|-----|
| A001         | 734 | A670         | 688 | AP50 | 696 | CT67 | 694 | GL13         | 516 | P350         | 774 | PS46         | 822 | PW92  | 801 |
| A002         | 734 | A671         | 689 | AP52 | 703 | CT69 | 692 | GL14         | 516 | P351         | 774 | PS47         | 821 | PW93  | 800 |
| A109         | 729 | A672         | 687 | AP55 | 709 | CT90 | 693 | GL16         | 516 | P371         | 775 | PS48         | 822 | PW94  | 801 |
| A120         | 727 | A673         | 687 | AP60 | 764 | CV06 | 529 | H448         | 219 | P390         | 774 | PS58         | 813 | PW96  | 800 |
| A128         | 726 | A674         | 689 | AP62 | 719 | EP02 | 824 | HA10         | 517 | P391         | 774 | PS59         | 818 | PW98  | 809 |
| A140         | 745 | A688         | 700 | AP65 | 721 | EP04 | 825 | HA13         | 517 | P410         | 779 | PS69         | 818 | PW99  | 801 |
| A143         | 746 | A689         | 701 | AP70 | 728 | EP06 | 824 | HA14         | 517 | P900         | 779 | PS89         | 819 | S156  | 834 |
| A145         | 746 | A690         | 701 | AP80 | 720 | EP07 | 825 | HA18         | 812 | P920         | 779 | PS95         | 801 | S250  | 481 |
| A146         | 745 | A691         | 701 | AP81 | 696 | EP08 | 824 | HV03         | 278 | P940         | 779 | PW11         | 786 | S251  | 481 |
| A174         | 731 | A700         | 714 | B013 | 517 | EP16 | 825 | HV04         | 278 | P950         | 779 | PW13         | 790 | S350  | 480 |
| A175         | 730 | A710         | 714 | B023 | 517 | EP21 | 824 | HV05         | 278 | P970         | 779 | PW14         | 788 | S351  | 480 |
| A195         | 727 | A720         | 715 | B024 | 517 | EP30 | 824 | HV07         | 278 | PA03         | 813 | PW15         | 788 | S376  | 268 |
| A197         | 752 | A721         | 710 | B026 | 517 | F440 | 478 | HV08         | 278 | PA08         | 813 | PW17         | 791 | S440  | 486 |
| A198         | 752 | A722         | 710 | B027 | 275 | F441 | 478 | HV09         | 278 | PA13         | 785 | PW18         | 793 | S441  | 487 |
| A199         | 752 | A723         | 709 | B028 | 276 | F476 | 274 | HV14         | 815 | PA44         | 812 | PW20         | 797 | S450  | 482 |
| A250         | 743 | A726         | 711 | B029 | 276 | FC81 | 664 | HV29         | 814 | PA45         | 812 | PW21         | 797 | S451  | 483 |
| A270         | 743 | A727         | 708 | B031 | 517 | FC82 | 664 | ID10         | 813 | PA47         | 812 | PW22         | 797 | S452  | 484 |
| A271         | 743 | A728         | 709 | B033 | 276 | FC86 | 664 | ID12         | 813 | PA48         | 812 | PW24         | 796 | S453  | 484 |
| A290         | 735 | A729         | 711 | B034 | 276 | FC87 | 665 | KP10         | 833 | PA49         | 812 | PW25         | 796 | S475  | 273 |
| A319         | 724 | A740         | 715 | B131 | 523 | FC88 | 665 | KP20         | 833 | PA50         | 277 | PW26         | 796 | S476  | 267 |
| A335         | 725 | A745         | 708 | B133 | 523 | FC89 | 665 | KP30         | 833 | PA54         | 815 | PW29         | 817 | \$791 | 432 |
| A340         | 730 | A751         | 748 | B151 | 522 | FC90 | 664 | KP33         | 834 | PA55         | 812 | PW30         | 794 | S810  | 432 |
| A350         | 722 | A770         | 713 | B153 | 522 | FC94 | 665 | KP40         | 832 | PA63         | 277 | PW31         | 791 | S817  | 433 |
| A351         | 722 | A771         | 713 | B171 | 521 | FF50 | 349 | KP44         | 834 | PA68         | 815 | PW32         | 792 | SK10  | 663 |
| A352         | 723 | A774         | 712 | B173 | 520 | FL02 | 665 | KP45         | 835 | PA70         | 277 | PW33         | 794 | SK11  | 663 |
| A353         | 723 | A776         | 713 | BIZ1 | 367 | FR06 | 343 | KP50         | 833 | PA71         | 277 | PW34         | 793 | SK12  | 663 |
| A354         | 723 | A780         | 697 | BIZ2 | 366 | FR07 | 343 | KP60         | 832 | PA72         | 278 | PW35         | 791 | SK13  | 663 |
| A360         | 728 | A790         | 735 | BIZ4 | 367 | FR08 | 342 | L440         | 489 | PA75         | 815 | PW37         | 789 | SK18  | 662 |
| A590         | 734 | A801         | 762 | BIZ5 | 365 | FR21 | 351 | L450         | 485 | PA91         | 813 | PW38         | 790 | SK20  | 662 |
| A611         | 697 | A802         | 762 | BIZ6 | 369 | FR22 | 352 | P005         | 778 | PR32         | 792 | PW39         | 790 | SK21  | 662 |
| A620         | 705 | A803         | 762 | BIZ7 | 339 | FR25 | 354 | P100         | 778 | PS03         | 785 | PW40         | 823 | SK23  | 662 |
| A621         | 698 | A810         | 764 | BZ13 | 364 | FR26 | 355 | P101         | 778 | PS04         | 788 | PW41         | 822 | SK24  | 663 |
| A622         | 703 | A812         | 760 | BZ13 | 364 | FR27 | 355 | P108         | 778 | PS04         | 789 | PW42         | 821 | SK26  | 662 |
| A625         | 699 | A813         | 760 | BZ14 | 365 | FR28 | 350 | P153         | 778 | PS07         | 789 | PW43         | 823 | SK27  | 663 |
| A626         | 698 | A813         | 761 | BZ30 | 366 | FR50 | 348 | P200         | 776 | PS09         | 783 | PW45         | 821 |       | 663 |
| A630         | 699 | A820         | 761 | C030 | 368 | FR51 | 352 | P201         | 776 | PS11         | 786 | PW48         | 823 |       | 662 |
| A631         | 701 | A880         | 733 | C105 | 409 | FR55 | 356 | P203         | 776 | PS12         | 786 | PW56         | 813 | ST30  | 574 |
| A632         | 701 | A881         | 763 | C276 | 268 | FR56 | 357 | P209         | 776 | PS17         | 787 | PW58         | 813 | ST35  | 575 |
| A635         | 705 | A882         | 763 | C376 | 267 | FR57 | 357 | P207         | 777 | PS18         | 787 | PW58<br>PW59 | 819 |       | 575 |
| A640         | 699 | A900         | 767 | C476 | 268 | FR60 | 336 | P223         | 777 | PS21         | 797 | PW60         | 798 | ST40  | 581 |
| A641         | 728 | A905         | 767 | C476 | 267 | FR61 | 335 | P250         | 777 | PS29         | 783 | PW62         | 821 | ST41  | 581 |
| A643         | 705 | A910         | 767 | C565 | 241 | FR62 | 335 | P251         | 777 | PS30         | 785 | PW65         | 798 | ST50  | 577 |
| A645         | 700 | A915         | 767 | CS20 | 516 | FR63 | 337 | P271         | 776 | PS32         | 792 | PW66         | 798 | ST60  | 579 |
| A646         | 698 | A713         | 766 | CS20 | 516 | FR66 | 344 | P271         | 777 | PS33         | 794 | PW68         | 798 | ST70  | 580 |
| A650         | 691 | AP01         | 720 | CS23 | 516 | FR67 | 345 | P291         | 777 | PS34         | 793 | PW69         | 819 | ST80  | 576 |
| A655         | 700 | AP01<br>AP02 | 719 | CS23 | 529 | FR68 | 345 | P301         | 775 | PS35         | 787 | PW79         | 819 |       | 516 |
| A660         | 690 | AP10         | 718 | CS24 | 516 | FR80 | 337 | P303         | 775 | PS41         | 822 | PW80         | 835 | .,    | 010 |
| A661         | 690 | AP10<br>AP30 | 720 | CT32 | 685 | FR93 | 345 | P303         | 775 | PS41         | 822 | PW80<br>PW89 | 817 | -     | NEW |
| A665         | 695 | AP30<br>AP31 | 720 | CT45 | 697 | FR98 | 345 | P304<br>P305 | 775 | PS44         | 823 | PW87<br>PW90 | 800 | -     | NEW |
| A665<br>A667 | 694 | AP31<br>AP32 | 704 | CT45 | 695 | GL12 | 516 | P305<br>P309 | 775 | PS44<br>PS45 | 821 | PW90<br>PW91 | 800 | -     |     |
| A007         | 074 | MFJZ         | 704 | 0100 | 075 | ULIZ | 510 | F 307        | 110 | F 340        | 021 | F W 7 1      | 000 | -     | 8/  |

# INDEX

All styles marked green are new styles

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| 2202 | 547 | A129 | 727 | A300 | 732 | A620 | 705 | A696 | 751 | A814 | 761 | AP60 | 764 | B153 | 522 |
| 2205 | 547 | A130 | 736 | A302 | 732 | A621 | 698 | A697 | 751 | A820 | 761 | AP62 | 719 | B171 | 521 |
| 2206 | 547 | A135 | 731 | A310 | 724 | A622 | 703 | A698 | 750 | A827 | 765 | AP65 | 721 | B173 | 520 |
| 2207 | 547 | A140 | 745 | A315 | 724 | A625 | 699 | A699 | 750 | A835 | 765 | AP70 | 728 | B195 | 447 |
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| 2209 | 546 | A145 | 746 | A320 | 725 | A630 | 699 | A710 | 714 | A880 | 733 | AP81 | 696 | B210 | 444 |
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| A120 | 727 | A270 | 743 | A531 | 755 | A688 | 700 | A803 | 762 | AP32 | 704 | B123 | 524 | B905 | 827 |
| A121 | 726 | A271 | 743 | A540 | 754 | A689 | 701 | A810 | 764 | AP50 | 696 | B131 | 523 | B907 | 831 |
| A123 | 726 | A280 | 747 | A590 | 734 | A690 | 701 | A812 | 760 | AP52 | 703 | B133 | 523 | B908 | 831 |

| Code |     | Code |     | Code  |     | Code  |     | Code  |     | Code |     | Code |     | Code  |     |
|------|-----|------|-----|-------|-----|-------|-----|-------|-----|------|-----|------|-----|-------|-----|
| B909 | 831 | C374 | 270 | C803  | 428 | CS20  | 516 | DX442 | 44  | EP20 | 824 | FC16 | 641 | FD33  | 628 |
| B910 | 830 | C375 | 269 | C811  | 425 | CS21  | 516 | DX443 | 52  | EP21 | 824 | FC17 | 605 | FD37  | 630 |
| B914 | 829 | C376 | 267 | C812  | 424 | CS23  | 516 | DX444 | 51  | EP30 | 824 | FC21 | 651 | FD61  | 634 |
| B916 | 827 | C377 | 268 | C813  | 423 | CS24  | 529 | DX445 | 45  | F205 | 512 | FC25 | 596 | FD62  | 634 |
| B950 | 829 | C387 | 404 | C814  | 424 | CS25  | 516 | DX449 | 51  | F250 | 231 | FC44 | 650 | FD84  | 645 |
| B951 | 828 | C394 | 254 | C815  | 425 | СТ32  | 685 | DX460 | 46  | F282 | 512 | FC52 | 606 | FD85  | 638 |
| B955 | 826 | C395 | 257 | C820  | 556 | CT45  | 697 | DX461 | 38  | F285 | 513 | FC53 | 606 | FD90  | 644 |
| B960 | 829 | C464 | 218 | C821  | 553 | CT65  | 695 | DX470 | 48  | F300 | 231 | FC56 | 622 | FD95  | 644 |
| BIZ1 | 367 | C465 | 201 | C833  | 540 | СТ67  | 694 | DX471 | 48  | F301 | 231 | FC57 | 622 | FF50  | 349 |
| BIZ2 | 366 | C466 | 199 | C834  | 538 | СТ69  | 692 | DX472 | 49  | F374 | 274 | FC58 | 605 | FL02  | 665 |
| BIZ4 | 367 | C467 | 200 | C835  | 534 | СТ90  | 693 | DX473 | 41  | F400 | 511 | FC59 | 620 | FR03  | 320 |
| BIZ5 | 365 | C468 | 203 | C836  | 540 | CV01  | 527 | DX474 | 47  | F401 | 510 | FC60 | 604 | FR06  | 343 |
| BIZ6 | 369 | C469 | 198 | C837  | 538 | CV02  | 527 | DX475 | 39  | F414 | 515 | FC61 | 604 | FR07  | 343 |
| BIZ7 | 339 | C470 | 269 | C838  | 536 | CV03  | 528 | DX480 | 49  | F433 | 510 | FC63 | 607 | FR08  | 342 |
| BZ11 | 369 | C471 | 273 | C851  | 562 | CV04  | 528 | DX481 | 40  | F438 | 479 | FC64 | 607 | FR09  | 323 |
| BZ12 | 369 | C472 | 271 | C852  | 562 | CV05  | 528 | E041  | 263 | F440 | 478 | FC65 | 606 | FR10  | 320 |
| BZ13 | 364 | C473 | 273 | C865  | 563 | CV06  | 529 | E043  | 263 | F441 | 478 | FC66 | 607 | FR101 | 353 |
| BZ14 | 364 | C474 | 271 | C875  | 421 | CV07  | 529 | E046  | 262 | F465 | 477 | FC67 | 598 | FR11  | 322 |
| BZ17 | 365 | C475 | 271 | C881  | 421 | CV08  | 529 | E049  | 262 | F474 | 274 | FC81 | 664 | FR12  | 320 |
| BZ30 | 366 | C476 | 268 | C887  | 404 | CV09  | 527 | E052  | 240 | F476 | 274 | FC82 | 664 | FR14  | 322 |
| BZ31 | 368 | C481 | 272 | C890  | 429 | CV10  | 529 | EC10  | 236 | F477 | 419 | FC86 | 664 | FR18  | 323 |
| C030 | 368 | C484 | 272 | CD884 | 401 | CV11  | 528 | EC11  | 236 | F813 | 418 | FC87 | 665 | FR19  | 323 |
| C070 | 543 | C494 | 270 | CH10  | 436 | CW10  | 416 | EC12  | 237 | FB30 | 375 | FC88 | 665 | FR20  | 323 |
| C071 | 543 | C496 | 267 | CH11  | 437 | CW11  | 417 | EC13  | 235 | FB31 | 375 | FC89 | 665 | FR21  | 351 |
| C072 | 535 | C565 | 241 | CH12  | 437 | CW12  | 417 | EC40  | 234 | FC01 | 632 | FC90 | 664 | FR22  | 352 |
| C073 | 537 | C701 | 406 | CH14  | 435 | D100  | 769 | EC60  | 233 | FC02 | 633 | FC94 | 665 | FR25  | 354 |
| C075 | 542 | C703 | 407 | CH15  | 435 | D118  | 769 | EC70  | 235 | FC03 | 633 | FD01 | 618 | FR26  | 355 |
| C078 | 542 | C711 | 407 | CR01  | 438 | D300  | 769 | EC76  | 237 | FC04 | 632 | FD02 | 618 | FR27  | 355 |
| C079 | 542 | C720 | 398 | CR10  | 376 | D340  | 769 | EP02  | 824 | FC08 | 595 | FD03 | 653 | FR28  | 350 |
| C099 | 406 | C733 | 540 | CR12  | 376 | DX410 | 54  | EP04  | 825 | FC09 | 599 | FD09 | 611 | FR29  | 353 |
| C105 | 409 | C734 | 539 | CR15  | 438 | DX411 | 54  | EP06  | 824 | FC10 | 651 | FD10 | 610 | FR30  | 321 |
| C276 | 268 | C735 | 535 | CR40  | 439 | DX412 | 42  | EP07  | 825 | FC11 | 650 | FD11 | 611 | FR31  | 319 |
| C357 | 266 | C737 | 539 | CS10  | 519 | DX413 | 42  | EP08  | 824 | FC12 | 629 | FD15 | 610 | FR32  | 362 |
| C370 | 269 | C738 | 537 | CS11  | 519 | DX440 | 50  | EP16  | 825 | FC14 | 651 | FD17 | 591 | FR33  | 362 |
| C372 | 273 | C802 | 426 | CS12  | 518 | DX441 | 53  | EP18  | 825 | FC15 | 597 | FD27 | 630 | FR34  | 353 |

| Code  |     | Code |     | Code |     | Code |     | Code |     | Code  |     | Code |     | Code |     |
|-------|-----|------|-----|------|-----|------|-----|------|-----|-------|-----|------|-----|------|-----|
| FR35  | 340 | FR71 | 363 | FT71 | 612 | FW43 | 652 | GL16 | 516 | КР33  | 834 | LW63 | 563 | P301 | 775 |
| FR36  | 340 | FR72 | 319 | FW01 | 627 | FW44 | 652 | H440 | 220 | KP40  | 832 | LW70 | 192 | P303 | 775 |
| FR37  | 341 | FR74 | 318 | FW02 | 614 | FW45 | 648 | H441 | 220 | KP44  | 834 | LW71 | 261 | P304 | 775 |
| FR38  | 341 | FR75 | 363 | FW03 | 654 | FW46 | 658 | H442 | 222 | KP45  | 835 | LW72 | 252 | P305 | 775 |
| FR401 | 346 | FR76 | 315 | FW05 | 629 | FW47 | 658 | H443 | 221 | KP50  | 833 | LW74 | 193 | P309 | 775 |
| FR402 | 79  | FR77 | 316 | FW06 | 643 | FW48 | 633 | H444 | 221 | КР60  | 832 | LW97 | 422 | P350 | 774 |
| FR41  | 332 | FR78 | 334 | FW07 | 640 | FW51 | 655 | H445 | 223 | KS15  | 396 | MV25 | 310 | P351 | 774 |
| FR43  | 332 | FR79 | 334 | FW09 | 655 | FW57 | 623 | H448 | 219 | KS18  | 398 | MV26 | 310 | P371 | 775 |
| FR46  | 333 | FR80 | 337 | FW10 | 656 | FW58 | 637 | HA10 | 517 | KS31  | 451 | MV28 | 311 | P390 | 774 |
| FR47  | 333 | FR81 | 321 | FW11 | 653 | FW59 | 612 | HA13 | 517 | KS32  | 451 | MV29 | 309 | P391 | 774 |
| FR50  | 348 | FR85 | 363 | FW12 | 643 | FW63 | 615 | HA14 | 517 | KS54  | 433 | MV35 | 308 | P410 | 779 |
| FR501 | 347 | FR89 | 361 | FW13 | 643 | FW64 | 615 | HA18 | 812 | KS63  | 272 | MV36 | 308 | P900 | 779 |
| FR502 | 347 | FR90 | 338 | FW14 | 656 | FW65 | 613 | HB10 | 279 | KX340 | 102 | MV46 | 311 | P920 | 779 |
| FR503 | 77  | FR92 | 338 | FW15 | 657 | FW66 | 623 | HB11 | 279 | KX341 | 100 | MV70 | 304 | P940 | 779 |
| FR51  | 352 | FR93 | 345 | FW16 | 616 | FW67 | 660 | HF50 | 279 | КХ342 | 95  | MV71 | 305 | P950 | 779 |
| FR53  | 358 | FR95 | 360 | FW17 | 617 | FW69 | 612 | HV03 | 278 | KX343 | 98  | MV72 | 306 | P970 | 779 |
| FR55  | 356 | FR96 | 316 | FW19 | 659 | FW71 | 649 | HV04 | 278 | КХ344 | 101 | MV73 | 307 | PA01 | 795 |
| FR56  | 357 | FR98 | 372 | FW20 | 659 | FW74 | 649 | HV05 | 278 | КХ360 | 86  | MV91 | 309 | PA02 | 795 |
| FR57  | 357 | FT05 | 624 | FW21 | 657 | FW75 | 648 | HV07 | 278 | KX361 | 87  | MX28 | 314 | PA03 | 813 |
| FR58  | 359 | FT08 | 593 | FW22 | 640 | FW80 | 635 | HV08 | 278 | KX362 | 88  | P005 | 778 | PA04 | 813 |
| FR59  | 359 | FT12 | 642 | FW23 | 652 | FW81 | 636 | HV09 | 278 | КХ363 | 89  | P100 | 778 | PA06 | 815 |
| FR60  | 336 | FT13 | 642 | FW24 | 654 | FW82 | 637 | HV12 | 276 | KX370 | 94  | P101 | 778 | PA08 | 813 |
| FR601 | 346 | FT15 | 602 | FW25 | 655 | FW83 | 636 | HV14 | 815 | KX371 | 91  | P108 | 778 | PA13 | 785 |
| FR602 | 78  | FT18 | 593 | FW26 | 657 | FW84 | 647 | HV29 | 814 | L440  | 489 | P153 | 778 | PA30 | 795 |
| FR61  | 335 | FT25 | 600 | FW29 | 641 | FW85 | 654 | HV50 | 279 | L450  | 485 | P200 | 776 | PA31 | 795 |
| FR62  | 335 | FT35 | 597 | FW31 | 617 | FW86 | 626 | HV55 | 279 | LW12  | 557 | P201 | 776 | PA44 | 812 |
| FR63  | 337 | FT36 | 596 | FW32 | 613 | FW88 | 635 | HV56 | 279 | LW13  | 557 | P203 | 776 | PA45 | 812 |
| FR66  | 344 | FT41 | 608 | FW33 | 600 | FW90 | 647 | ID10 | 813 | LW15  | 557 | P209 | 776 | PA47 | 812 |
| FR67  | 345 | FT42 | 608 | FW34 | 601 | FW94 | 646 | ID12 | 813 | LW17  | 554 | P220 | 777 | PA48 | 812 |
| FR68  | 344 | FT50 | 603 | FW35 | 616 | FW95 | 646 | ID40 | 279 | LW18  | 555 | P223 | 777 | PA49 | 812 |
| FR69  | 360 | FT54 | 615 | FW36 | 603 | G465 | 239 | JN14 | 275 | LW19  | 554 | P250 | 777 | PA50 | 277 |
| FR701 | 81  | FT60 | 598 | FW39 | 601 | G470 | 239 | KP05 | 835 | LW20  | 556 | P251 | 777 | PA54 | 815 |
| FR702 | 81  | FT62 | 632 | FW40 | 660 | GL12 | 516 | KP10 | 833 | LW21  | 552 | P271 | 776 | PA55 | 812 |
| FR703 | 315 | FT63 | 614 | FW41 | 627 | GL13 | 516 | KP20 | 833 | LW22  | 553 | P290 | 777 | PA58 | 812 |
| FR704 | 80  | FT64 | 614 | FW42 | 626 | GL14 | 516 | KP30 | 833 | LW56  | 563 | P291 | 777 | PA63 | 277 |

| Code |     | Code  |     | Code  |     | Code  |     | Code |     | Code |     | Code |     | Code |     |
|------|-----|-------|-----|-------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| PA68 | 815 | PS48  | 822 | PW241 | 154 | PW348 | 135 | PW59 | 819 | RT47 | 261 | S279 | 258 | S462 | 195 |
| PA70 | 277 | PS50  | 811 | PW242 | 154 | PW35  | 791 | PW60 | 798 | RT48 | 262 | S280 | 259 | S463 | 205 |
| PA71 | 277 | PS52  | 810 | PW243 | 161 | PW351 | 112 | PW62 | 821 | RT49 | 261 | S350 | 480 | S464 | 203 |
| PA72 | 278 | PS53  | 806 | PW244 | 155 | PW352 | 113 | PW65 | 798 | RT50 | 225 | S351 | 480 | S466 | 197 |
| PA75 | 815 | PS54  | 807 | PW25  | 796 | PW360 | 108 | PW66 | 798 | RT51 | 226 | S360 | 193 | S467 | 196 |
| PA91 | 813 | PS55  | 807 | PW26  | 796 | PW362 | 138 | PW68 | 798 | RT60 | 191 | S363 | 208 | S468 | 188 |
| PB55 | 808 | PS57  | 811 | PW260 | 158 | PW365 | 115 | PW69 | 819 | RT61 | 210 | S365 | 202 | S469 | 209 |
| PC55 | 809 | PS58  | 813 | PW261 | 153 | PW367 | 114 | PW79 | 819 | RT62 | 204 | S376 | 268 | S471 | 189 |
| PG54 | 809 | PS59  | 818 | PW271 | 158 | PW369 | 111 | PW80 | 835 | RT63 | 191 | S378 | 257 | S475 | 273 |
| PJ10 | 491 | PS63  | 806 | PW273 | 160 | PW37  | 789 | PW89 | 817 | S068 | 543 | S388 | 214 | S476 | 267 |
| PJ20 | 490 | PS69  | 818 | PW275 | 153 | PW370 | 124 | PW90 | 800 | S156 | 834 | S412 | 515 | S477 | 252 |
| PJ50 | 230 | PS73  | 806 | PW277 | 156 | PW371 | 120 | PW91 | 800 | S160 | 217 | S413 | 515 | S478 | 254 |
| PR32 | 792 | PS89  | 819 | PW29  | 817 | PW374 | 121 | PW92 | 801 | S161 | 218 | S414 | 515 | S479 | 253 |
| PS03 | 785 | PS90  | 799 | PW30  | 794 | PW375 | 136 | PW93 | 800 | S162 | 216 | S415 | 514 | S480 | 212 |
| PS04 | 788 | PS91  | 799 | PW302 | 122 | PW379 | 124 | PW94 | 801 | S166 | 217 | S418 | 514 | S481 | 466 |
| PS06 | 789 | PS95  | 801 | PW303 | 130 | PW38  | 790 | PW96 | 800 | S170 | 254 | S424 | 228 | S482 | 466 |
| PS07 | 789 | PV50  | 804 | PW304 | 142 | PW380 | 143 | PW97 | 810 | S171 | 252 | S425 | 229 | S485 | 215 |
| PS09 | 783 | PV60  | 805 | PW305 | 142 | PW381 | 119 | PW98 | 809 | S172 | 254 | S426 | 184 | S486 | 212 |
| PS11 | 786 | PV64  | 805 | PW306 | 128 | PW382 | 117 | PW99 | 801 | S173 | 257 | S427 | 182 | S487 | 210 |
| PS12 | 786 | PV74  | 808 | PW307 | 137 | PW385 | 131 | R460 | 190 | S174 | 253 | S428 | 228 | S488 | 214 |
| PS17 | 787 | PW11  | 786 | PW308 | 136 | PW386 | 117 | RT20 | 275 | S178 | 259 | S429 | 229 | S489 | 215 |
| PS18 | 787 | PW13  | 790 | PW309 | 125 | PW39  | 790 | RT22 | 252 | S179 | 256 | S431 | 464 | S490 | 224 |
| PS21 | 797 | PW14  | 788 | PW31  | 791 | PW40  | 823 | RT23 | 255 | S190 | 255 | S433 | 464 | S491 | 224 |
| PS29 | 783 | PW15  | 788 | PW310 | 127 | PW41  | 822 | RT26 | 275 | S231 | 392 | S434 | 465 | S493 | 226 |
| PS30 | 785 | PW17  | 791 | PW311 | 126 | PW42  | 821 | RT27 | 183 | S232 | 392 | S435 | 465 | S495 | 227 |
| PS32 | 792 | PW18  | 793 | PW32  | 792 | PW43  | 823 | RT30 | 195 | S233 | 393 | S437 | 474 | S496 | 225 |
| PS33 | 794 | PW20  | 797 | PW33  | 794 | PW47  | 821 | RT31 | 213 | S234 | 393 | S438 | 488 | S497 | 227 |
| PS34 | 793 | PW21  | 797 | PW34  | 793 | PW48  | 823 | RT32 | 206 | S235 | 393 | S440 | 486 | S503 | 476 |
| PS35 | 787 | PW210 | 159 | PW340 | 133 | PW50  | 811 | RT34 | 194 | S250 | 481 | S441 | 487 | S505 | 475 |
| PS41 | 822 | PW211 | 159 | PW342 | 109 | PW51  | 810 | RT40 | 260 | S251 | 481 | S450 | 482 | S507 | 468 |
| PS43 | 822 | PW212 | 156 | PW343 | 135 | PW53  | 812 | RT42 | 265 | S266 | 207 | S451 | 483 | S508 | 472 |
| PS44 | 823 | PW213 | 156 | PW344 | 134 | PW54  | 807 | RT43 | 265 | S267 | 209 | S452 | 484 | S509 | 472 |
| PS45 | 821 | PW22  | 797 | PW345 | 149 | PW55  | 807 | RT44 | 231 | S271 | 258 | S453 | 484 | S521 | 475 |
| PS46 | 822 | PW24  | 796 | PW346 | 148 | PW56  | 813 | RT45 | 263 | S277 | 258 | S460 | 194 | S523 | 475 |
| PS47 | 821 | PW240 | 160 | PW347 | 146 | PW58  | 813 | RT46 | 260 | S278 | 259 | S461 | 194 | S530 | 473 |

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| S532 | 469 | S770 | 329 | S903 | 545 | ST60 | 579 | T751 | 64  | ТХ70  | 246 |
| S536 | 473 | S771 | 329 | S904 | 536 | ST70 | 580 | T752 | 63  | TX71  | 247 |
| S543 | 497 | S773 | 325 | S905 | 402 | ST80 | 576 | T753 | 73  | ТХ72  | 247 |
| S544 | 497 | S774 | 324 | S916 | 418 | ST85 | 576 | T801 | 96  | VA120 | 717 |
| S545 | 497 | S775 | 328 | S917 | 419 | ST90 | 573 | T802 | 97  | VA620 | 717 |
| S546 | 496 | S776 | 326 | S918 | 419 | SW10 | 371 | т803 | 99  | VA622 | 717 |
| S547 | 493 | S778 | 324 | S919 | 264 | SW20 | 371 | T820 | 102 |       |     |
| S548 | 492 | S779 | 325 | S998 | 428 | SW31 | 370 | т830 | 93  |       |     |
| S549 | 493 | S780 | 326 | S999 | 427 | SW32 | 371 | T831 | 92  |       |     |
| S553 | 462 | S781 | 327 | SK10 | 663 | SW33 | 371 | Т832 | 90  |       |     |
| S555 | 463 | S782 | 327 | SK11 | 663 | SW34 | 370 | T900 | 516 |       |     |
| S556 | 463 | S783 | 331 | SK12 | 663 | T180 | 126 | тв02 | 831 |       |     |
| S561 | 477 | S785 | 330 | SK13 | 663 | T181 | 127 | тк20 | 504 |       |     |
| S562 | 474 | S787 | 405 | SK18 | 662 | T184 | 126 | тк21 | 505 |       |     |
| S563 | 474 | S790 | 409 | SK20 | 662 | T185 | 127 | ТК40 | 503 |       |     |
| S570 | 470 | S791 | 432 | SK21 | 662 | T400 | 116 | ТК41 | 503 |       |     |
| S571 | 471 | S792 | 544 | SK23 | 662 | T402 | 118 | ТК42 | 502 |       |     |
| S585 | 467 | S793 | 544 | SK24 | 663 | T500 | 123 | ТК50 | 506 |       |     |
| S590 | 178 | S794 | 544 | SK26 | 662 | T501 | 132 | TK51 | 506 |       |     |
| S591 | 179 | S810 | 432 | SK27 | 663 | T601 | 145 | ТК53 | 507 |       |     |
| S592 | 179 | S816 | 429 | SK33 | 663 | T602 | 144 | ТК54 | 507 |       |     |
| S593 | 181 | S817 | 433 | SK34 | 662 | T603 | 141 | TX10 | 411 |       |     |
| S594 | 180 | S837 | 544 | ST11 | 768 | Т604 | 139 | TX11 | 411 |       |     |
| S597 | 180 | S839 | 545 | ST30 | 574 | Т620 | 140 | TX12 | 412 |       |     |
| S600 | 461 | S840 | 544 | ST31 | 582 | T701 | 67  | TX14 | 414 |       |     |
| S601 | 460 | S841 | 544 | ST35 | 575 | T702 | 68  | TX15 | 412 |       |     |
| S602 | 461 | S843 | 545 | ST36 | 575 | T703 | 65  | TX16 | 413 |       |     |
| S665 | 510 | S845 | 544 | ST40 | 581 | T704 | 70  | TX18 | 413 |       |     |
| S686 | 213 | S849 | 545 | ST41 | 581 | T706 | 75  | ТХ36 | 401 |       |     |
| S687 | 403 | S855 | 545 | ST42 | 582 | T710 | 71  | TX40 | 414 |       |     |
| S760 | 192 | S887 | 403 | ST43 | 583 | T711 | 69  | TX50 | 244 |       |     |
| S765 | 185 | S889 | 405 | ST44 | 583 | T720 | 71  | TX51 | 244 |       |     |
| S766 | 186 | S894 | 544 | ST45 | 583 | T722 | 74  | TX52 | 245 |       |     |
| S768 | 187 | S896 | 545 | ST47 | 583 | T740 | 60  | TX55 | 245 |       |     |
| S769 | 190 | S899 | 545 | ST50 | 577 | T750 | 61  | TX61 | 401 |       |     |









Portwest Planet is an initiative that ensures that every worker across our business knows what their responsibility is towards reducing the impact our operations have on the environment. Portwest has defined short and long term sustainability goals that will enable us to deliver on our commitment to trading ethically and operating responsibly.

#### PRODUCT INNOVATIONS

In 2021 Portwest introduced a new eco-friendly range of products. Each of these products has been responsibly sourced and produced in the most environmentally friendly manner achievable. Look out for the Portwest Planet symbol throughout this catalogue which guarantees each product's green credentials.

### DURABILITY

Products that last longer help the planet because they do not need to be replaced as often. Portwest only uses top quality fabrics, components and trims which means that our products are built to last even when used in harsh conditions.

#### RESPONSIBLE DESIGN AND MANUFACTURING

The use of certified recycled, organic or sustainable fabrics, where possible, ensures minimal impact on the environment. Garments are designed for maximum comfort but with clean lines that means less stitching and less waste. 85% of all Portwest garments are OEKO-TEX® approved.

### INDEPENDENTLY TESTED AND ACCREDITED

Portwest products undergo rigorous testing to ensure we meet and exceed global safety standards. Our fully owned factories undergo independent audits from accredited bodies to ensure we make every effort to minimize any environmental impact.





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