## PORTWEST®

**OVER 100 YEARS' EXPERIENCE IN EVERY STITCH** 







### ABOUT PORTWEST®

With over 114 years of experience and a heritage of quality, value and service, Portwest is firmly established as a world leader in the design and manufacture of stylish, comfortable, high-quality workwear that meets recognized international standards. We specialize in the design and manufacture of footwear, gloves, PPE and protective clothing, including flame resistant workwear, high-visibility workwear and rainwear. We keep functionality, durability, style and value at the heart of everything we do.



### PORTWEST ONLY SELLS TO RESELLERS

Portwest supplies the best products at the most competitive prices, providing a one-stop shop for distributors and resellers. Our customers know they will never have to compete with Portwest in their own marketplace.



### **FULL TESTING & CERTIFICATION**

Portwest safety products are tested and certified to US and EN standards by independent test houses. Our products are certified to international standards including ANSI, NFPA, ISO and EN.

All Portwest LLC garments and fabrics meet the requirements specified by ANSI, ASTM and the NFPA. Where applicable, Portwest products have been independently certified to the highest American Standards by UL.



### STATE OF THE ART MANUFACTURING FACILITIES

Portwest products are manufactured across Europe and in Asia. Portwest own three ultra-modern factories in Bangladesh and Myanmar, giving us full control of our exceptional quality, lead times and ethical sourcing.

Our factories are Worldwide Responsible Accredited (WRAP) certified, meaning customers can be assured all Portwest products are manufactured ethically and responsibly.



### SAME DAY DISPATCH

All orders received via the Portwest web portals are processed within 45 minutes. Orders received via fax or telephone are dispatched within 24 hours.

### INDUSTRY ASSOCIATIONS

Portwest is a member of the leading safety industry research and technology centers:



#### ANSI:

The American National Standards Institute oversees the development of voluntary consensus standards for products, services, processes, systems and personnel in the US. It is the official United States voice in international standards bodies. The standard provides a consistent authoritative guide for design performance specification, and use of high-visibility garments.



#### NFPA:

The world's leading advocate of fire prevention and an authoritative source on public safety. The NFPA develops, publishes and disseminates more than 300 consensus codes and standards intended to minimize the possibility and effects of fire and other risks.



### ASTM:

ASTM is an organization that provides a forum for the development and publication of voluntary consensus standards for materials, products, systems and services. ASTM members, representing producers, users, consumers, government and academia from 100 countries, develop technical documents that are a basis for manufacturing, management, procurement, codes and regulations.



#### JL:

UL is a global, independent product safety, testing and certification organization. With more than a century of expertise, UL certify, validate, test and audit products ensuring safe living and working environments.

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### Portwest leaders in Innovation



Premium Rain Jacket & Pants

**AP62 - Dermiflex Aqua Glove** 



P172 PV60 - Peak View **Ratchet Hard Hat Vented** 



T400 - Vision Hi-Vis Rain Jacket

P32

MERCHANDISING



G465 - Glowtex 3-in-1 Bomber Jacket

P34

### PACKING QUANTITIES

- 1. This indicates how many products are packed per box and carton. All of our products are normally sold one size and one color per carton.
- 2. 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.
- 3. Where pack symbols are colored orange the UOS is greater than 1.



Example 1 UOS=1

10 = Inner Box 200 = Total Outer

Carton Quantity

Example 1

In this case the UOS = 1 piece



Example 2 100 = Inner Box

500 = Mid Pack 3000 = Total Outer

Example 2 Carton Quantity UOS=3000

In this case the outer carton quantity is the UOS and is color coded orange to show this. Ordering 1 unit = 3000 pieces when the order is placed



Example 3

Quantity (300) UOS=10

In this case the inner box is the UOS and is colored orange to show this.

Example 3

x30 = Total

Outer Carton

10 = Inner Box



Example 4 50 = Inner Box

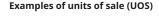
x10 = The Number of Inner Boxes Per Mid Pack

Example 4 x6 = The Number of Mid UOS=50 Packs Per Carton

Inner Boxes Per Carton (10x6 = 60)

Number of Individual Pieces Per Carton (50x10x6 = 3000)

In this case the inner box is the UOS and is colored orange to show this.





1 = Singles = Garments. specialist gloves sold in sinales



2 = Pair = Footwear. most gloves



B = Inner Box B = Inner box : Disposable gloves



C = Outer Carton C = Carton = Biztex. Disposable gloves

### KEY RANGES

### FLAME RESISTANT



Araflame™ is an inherently, flame resistant lightweight fabric constructed from an aramid blend. Araflame will not ignite, melt or shrink when exposed to heat.



Bizflame® is a proprietary flame resistant finish which, when applied to fabric, gives excellent flame resistance. The carbon fiber yarns make the garments anti-static.



The garments in the Bizweld® Flame Resistant range have been specially designed to guarantee performance and safety whilst providing effective protection at all times.



Modaflame® is an inherently permanent flame resistant fabric. This special blend combines 60% modacrylic fiber with 39% cotton and 1% carbon fiber. Modaflame is extremely comfortable, hard wearing and offers full anti-static protection.



**Sealtex**® Flame is a flame & chemical resistant PU coated polyester fabric. It is flexible & lightweight.

### HIGH VISIBILITY



Made with 300 Denier 100% polyester yarns, 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 fabric clean.



Offers all the characteristics of the Sealtex® fabric but specifically designed for the high visibility industry with added breathability.

Comfort Cotton from constructed blend of 55% cotton/45% polyester. With the cotton on the inside for comfort and the polyester on the outside for maximum durability this is a robust fabric that provides ultimate comfort. Certified to EN ISO 20471 and ANSI/ ISEA 107.



The Vestport range incorporates three fabric combinations including 100% Polyester full mesh, solid warp knit and half mesh/half solid. The fabrics are durable, comfortable, highly breathable and certified to the latest ANSI/ISEA 107 standard.



Portwest Glowtex® Triple Technology uses the latest innovation in light emitting technology to ensure the wearer achieves the highest level of protection in high visibility apparel. The revolutionary light emitting Glowtex phosphorescence tape accumulates the light in well lit places and emits light in very low or no light conditions i.e. it glows in the dark.

### RAINWEAR



of fabrics are range 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.



All Technik™ products use the latest in technical fabrics. Technik fabrics offer a range of levels of waterproofness & breathability.



**Ripstop** fabric is constructed using 100% polyester and is PVC coated. The tough outer ripstop shell quarantees outstanding



The Iona range combines practical design and colors with reflective taping which gives extra visibility in outdoor conditions. The garments have a relaxed fit for ease of movement. Reactive dyes used offer rich color retention.

Constructed using hollow fiber 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.



Kingsmill™ performance and maximum comfort. The material is fully pre-shrunk, has superior dye retention and all the attributes you would expect from a modern workwear fabric (65% polyester/35% cotton).



Fortis™ fabric has been constructed to a high specification and is the practical choice for your workwear needs (65% polyester/35% cotton).



**100% Cotton** fabric is comfortable and absorbent. This is suitable for both domestic and high temperature laundering.



The Iona Xtra range combines practical design and colors with reflective taping and contrast fluorescent material which provides extra visibility in low light conditions

### LIMITED LIFE



Consists of a polypropylene substrate to which a laminated microporous polyethylene film is applied (PP/PE). The outer layer of Biztex® fabric prevents passage of liquid molecules inwards yet permits the vapor molecules that build up inside to pass out.

NOTE: BIZFLAME, BIZWELD, MODAFLAME, GLOWTEX, BIZTEX and SEALTEX are registered trademarks of Portwest. ARAFLAME, VEST-PORT, TECHNIK, IONA, INSULATEX, KINGSMILL and FORTIS are trademarks of Portwest.

### **PRODUCT FEATURES**



### **IMPROVED**

Indicates an improvement to the existing product.



#### **New Style**

Indicates a new product has been added to the catalog.



#### New Color Indicates that a new color/

colors have been added to



### Interactive garment

Indicates the outer garment is supplied with an interactive inner garment, sold as a complete unit.



### Largest Size

Indicates the largest size available.



### **Dual Standard**

Indicates that the garment is certified to NFPA 2112 and NFPA 70E.





This symbol indicates that a cell phone pocket is included in the garments which carry this symbol.



This symbol indicates that the garments have a mic tab for easy attachment of a radio.



This symbol indicates that the garment comes with a non-detachable hood.



#### **Print access**

This symbol indicates that garments have print/ embroidery access.



#### Half elasticated waist

This symbol indicates a half elastic waistband on pants which allows for all-day comfort for the wearer.



#### Multiple storage pockets

This symbol indicates that the garment is designed with multiple pockets.



### Interactive garment

This symbol indicates zip-in fleece feature to create a one-piece garment.



### Fully elasticated waist band

This symbol indicates a fully elasticated waistband on pants which allows for all-day comfort for the wearer.



#### **Holster pockets**

This symbol indicates the pants have swing away tool



#### Two-way zipper

This symbol indicates that the zipper can be opened from the top or bottom of the garment.



#### Knee pad pockets

This symbol indicates that the garments incorporate knee pad pockets. These garments have been developed to carry our range of ergonomically designed knee pads.



This symbol indicates that the product is suitable for use in ESD environments.



**UK Zipper** This symbol indicates that the zip is a European design with the puller positioned on the left hand side of the garment.



#### **Sealed seams**

This symbol indicates that the garment has sealed waterproof seams.



#### FR.IW

This symbol indicates that the garment has double stitched, industrial wash, flame resistant reflective tape.



### Reversible garment

This symbol indicates that garments are reversible.



#### Welded seams

This symbol indicates that the garment has highfrequency welded waterproof seams.



This symbol indicates that the garment has flame resistant reflective tape.



### Breathable garment

This symbol indicates that the garment is made of a breathable, waterproof fabric.



### **Detachable lining**

This symbol indicates that the garment has detachable lining.



This symbol indicates conformity of essential health and safety requirements as set out in European Directives.



### Internal tablet pocket

This symbol indicates that an internal tablet pocket is included in the garments which carry this symbol.



### **Detachable hood**

This symbol indicates that the garment comes with a detachable hood.



### **Touchscreen Glove**

This symbol indicates that this glove can be used with most mobile touchscreen devices.



### **Waterproof Garment**

Waterproof keeping the wearer dry and protected from the elements



This symbol indicates the fabric has a UPF rating of 50+ so will block over 98% of the UV rays which fall on



#### Ladieswear

This symbol indicates that the products have been designed specially for ladies with a flattering fit.





**Vending ready**This symbol indicates that this product has been individually packed for vending machines.



### Washing Machine\_50 Washes

This symbol indicates compliance with ANSI/ISEA 107 after 50 washes\*

\*Minimum requirement under ANSI/ISEA 107 is 5 washes

### PRODUCT DETAIL SYMBOLS

This symbol indicates garment fabric details

Contrast Fabric

This symbol indicates the garment contrast

fabric details

Lining

This symbol indicates the garment lining details

MYYY

#### Wadding

This symbol indicates the garment wadding details



Y

This symbol indicates the standard colors within that product range



#### This symbol indicates the very deep dye colors within that product range

upper of the product

This symbol indicates the material used in the



This symbol indicates the material used in the

This symbol indicates the deep dye colors within that product range sole of the product



### **PACK & CARTON QUANTITY**



### **Carton Quantity**

This symbol indicates the quantity of products in a carton which do not have inner boxes



#### **Retail Bag**

This symbol indicates that this packaging aids product presentation for retail sales. All other styles are packed in flat-pack plastic bags to keep items clean. All products have bar codes. Ask the sales team for more information.



#### **Retail Box**

Indicates that the item is shipped with a retail box to aid product presentation for retail sales.



**Retail Tag** This symbol indicates that this item is shipped with a retail tag to aid product presentation for retail sales.



### EXCLUSIVE INNOVATION **AND DESIGNS**





Revolutionary Portwest Glowtex® Triple Technology. Incorporating three fundamental properties, brightly colored fluorescent fabric, very high performance HiVisTex retroreflective tape and light emitting Glowtex phosphorescence tape which emits light in very low or no light conditions.

### SOLAR CHARGED TECHNOLOGY





Portwest PW3™ range is characterized by fresh dynamic designs, premium fabrics and a contemporary fit.

### THE FUTURE OF WORKWEAR IS HERE



TRANSLUCENT HARD HAT



The Peak View™ Hard Hat is constructed with a translucent shell and see through peak and sides. This allows the wearer to look upwards without the need to tilt the head.

### **UV 400 PROTECTION**



**POWERFUL LED LIGHTING SOLUTIONS** 



The Portwest LED High Visibility collection uses innovative integrated LED's to offer enhanced visibility. The bright fluorescent fabric combined with HiVisTex retro reflective tape and LED lights offer the highest level of visible protection in low light conditions.

### ADVANCED LIGHTING INNOVATION





The PW Nano 6000 range has been developed with a revolutionary coating which makes the gloves super hydrophobic and oleophobic. This creates an impenetrable barrier between the glove and the underlying surface, from water, oil and other liquids.

### GROUND BREAKING PROTECTION







### SPLASH, OIL + STAIN

- Helps protect fabric from oil and grease
- ☑ Drives away dirt and grime
- Aids the release of stubborn stains when washing
- Helps retain fabric softness





### WATER RESISTANT

- Extreme water resistance
- Water beads away from the fabric
- Repels dirt and helps prevents
- Allows for garment breathability
- Enhanced stain removal





### DRYING + WICKING

- Wicks moisture away from the skin
- Keeps fabric fresh and comfortable
- Retains fabric brightness
- Powerful protection from stains
- Enhanced garment breathability

## EZE- ZIP

The first major zipper fastening technology for a century

### **NEW INNOVATIVE ZIPPER TECHNOLOGY**

- Ideal for those wearing gloves
- Easy to work
- ✓ Ideal for left or right handed users
- ☑ Both hands are equal
- No more fraying or broken zippers



### EXCLUSIVE ZIPPER DESIGN







GLOWTEX is a registered trademark of Portwest.

PW3. PEAKVIEW. TEXPEL and EZEE ZIP are trademarks of Portwest.



# 5 USA Industry Leading Flame Resistant Fabrics



**Araflame™** is an inherently permanent flame resistant aramid fabric. It is extremely flame resistant, lightweight, offers high tensile strength and full anti static protection.



**Bizflame®** is a proprietary flame resistant finish which, when applied to fabric, gives excellent flame resistance. The carbon fiber yarns make the garments anti-static.











**Bizweld®** 100% cotton fabric is completely flame resistant. All Bizweld garments offer excellent flame and molten splash protection for welding, foundries and allied industries.



**Modaflame®** is an inherently permanent flame resistant fabric. This special blend combines 60% modacrylic fiber with 39% cotton and 1% carbon fiber. Modaflame is extremely comfortable, hard wearing and offers full anti-static protection.





**Sealtex® Flame** is constructed from a flame resistant, PU coated, polyester fabric 7.5oz. The lightweight and durable Sealtex Flame is designed to offer full protection against adverse weather conditions and flame hazards.

NOTE: BIZFLAME, BIZWELD, MODAFLAME and SEALTEX are registered trademarks of Portwest.
ARAFLAME is a trademark of Portwest.



### Flame Resistant - USA Standards



2112 NFPA® 2112: 2018

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:

•ASTM F2700 - Heat Transfer

Performance (HTP) Test - This test is a measure of the unsteady state heat transfer properties of garment

•ASTM D6413 - Vertical Flammability (Flame Resistance) Test - This test is used to determine how easily fabrics ignite and continue to burn once ignited.

 Thermal Shrinkage Resistance Test - This test measures a fabric's 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 Test - Thread used in flame resistant garments must withstand temperatures of up to 500°F.

### **NFPA** 70E

### NFPA® 70E: 2015

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 gives guidance for selecting the appropriate PPE according to the level of risk involved

in a particular job. Risk areas are categorized by the expected level of incident energy in the event of an electric arc. According to the table there are four categories, ARC 1 (which is low risk) through 4 (which is high risk and requires FR clothing with a minimum ARC rating of 40cal/ cm2). The higher the ARC rating value, the greater the protection.

ARC Rated PPE	Clothing description	Required minimum Arc rating of PPE/ cal/cm <sup>2</sup>
ARC	ARC 1: Arc rated FR Shirt and FR Pants or FR Coverall	4
2 ARC	8	
ARC	ARC 3: Arc rated FR Shirt and FR Pants or FR Coverall, and Arc flash suit selected so that the system Arc rating meets the required minimum	25
ARC	ARC 4: Arc rated FR Shirt and FR Pants or FR Coverall and Arc flash suit selected so that the system Arc rating meets the required minimum	40

### **ASTM**

### F1506-10a ASTM® F1506-10A

This performance specification covers the flame resistance of textile materials to be used for wearing apparel for use by electrical workers exposed to momentary electric arc and related hazards

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.

- 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

Garments must be labeled 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).

F1959/F1959M-12 ASTM® F1959/F1959M-12: 2013

Standard Test Method for Determining the ARC Rating of Materials for Clothing

FABRIC ONLY TEST. This test method is the same as outlined under EN 61482-1-1. Pre treatment may vary.

### **Laundering of FR Fabrics**

The Flame Resistant finish is retained for the normal life cycle of the garment provided that the care instructions are adhered to.

### Washing / Drying Procedure:

Pretreatment: If stains are difficult to remove, they can be treated before putting into the washing machine with a liquid detergent 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 pretreatment to penetrate and loosen the stain. Never use chlorine bleach or washing detergents containing bleach as these 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 minimize surface abrasion and help maintain the surface appearance of the fabric. Zippers 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.

### Flame Resistant- European Standards



IEC 61482-2
ATPV or E<sub>BTSO</sub> = xxx cal/cm<sup>2</sup> or
Class 1 or Class 2

IEC 61482-2 ATPV or E<sub>BT50</sub> = xxx cal/cm<sup>2</sup> and Class 1 or Class 2

IEC 61482-2:2009

This standard specifies requirements and test methods applicable to materials and garments for protective clothing against the thermal effects of an electric arc event. 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.

### Box Test Method EN61482-1-2.

The fabric/garment is exposed to an electric arc confined in a specific box with a specific electrode arrangement for 0.5 seconds. Class 1 is to a current of 4kA arc, Class 2 is to a current of

7kA arc. Test conditions for class 1 & 2 try to stimulate typical exposure conditions for a short circuit current of 4kA and 7kA respectively.

**Open Arc Method EN61482-1-1.** This test method aims to establish the ATPV (Arc Thermal Performance Value) or EBT (Energy Breakopen Threshold) of a fabric. The ATPV is the amount of energy required to cause a 2nd degree burn through the material prior to break-open (50% probability).

The EBT is the amount of energy where the material breaks-open (50% probability). This is normally the upper thermal limit of the fabric where the fibers are damaged

and the material loses mechanical strength.

Both ATPV and EBT are expressed in calories per cm². EN 61482-1-1 tests the fabric with an 8kA arc for various incident durations. Workers are assumed to be safe if the ARC rating of their clothes exceeds the electric arc incident energy calculated in the worst case scenario of a risk assessment.

Garments can be layered to achieve an overall ATPV or EBT Rating. For example a thermal layer may achieve an EBT of 4.3 Cal/cm², and an outer coverall may achieve an ATPV of 13.6Cal/cm². However the combination ATPV/EBT 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.

Another parameter measured during the open arc test is the HAF value (Heat Attenuation Factor) - this describes the amount of heat blocked by the fabric.



### EN ISO 11612: 2015

The performance requirements set out in this international standard are applicable to garments which could be worn for a wide range of end uses, where there is a need for clothing with limited flame spread properties and where the user can be exposed to radiant or convective or contact heat or molten metal splashes.

This test uses standard methods and conditions to predict the performance of fabric/garments in the event of

contact with heat or flames. Garment features such as seams, closures and logos must be tested as well as the fabric. Tests must be carried out on pre-treated components according to the manufacturers care label.

### Specific testing is listed below:

- Dimensional change
- · Limited flame spread (A1+A2)\*
- Convective heat (B) 3 levels
- Radiant heat (C) 4 levels
  Molten aluminum splash (D) 3

- level
- Molten iron splash (E) 3 levels
- Contact heat (F) 3 levels (temperature 250 degrees Celsius)
- Heat resistance at a temperature of 180 degrees Celsius.
- Tensile strength (must meet a minimum of 300N) Tear strength (must meet a minimum of 10N)
- · Bursting strength
- · Seam strength

Garment design requires that coverage must be provided from the neck to the wrists and to the ankles. Optional testing includes water vapor resistance and manikin testing for overall burn prediction.

\*This test must be carried out on fabric and seams.



### EN ISO 11611: 2015

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.

### Specific testing is listed below:

- Tensile strength
- Tear strength
- Bursting strengthSeam strength
- Dimensional change
- Requirements of leather
- · Limited flame spread (A1 + A2)
- Molten droplets
- Heat transfer (radiation)

Electrical resistance



### EN 1149: 2008

Protective Clothing - Electrostatic Properties - Part 5. Material Performance and Design Requirements.

This is the harmonized European standard for protective clothingprotection against the danger caused by static electricity. This standard is not applicable for protection against mains voltages.

- EN1149-1:1996 Test method for surface conducting fabrics.
- **EN1149-3:2004** Charge decay test method for all fabrics.
- **EN1149-5:2008** Performance requirements.



### **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.



### **USA Fabric Reference Chart**

	STYLES	COMPOSITION	WEIGHT	WEAVE / FINISH	NFPA° 2112	NFPA° 70 E	ASTM F1506-10A	
ARAFLANDE E	UAF73	93% Meta-aramid, 5% Para-aramid, 2% Carbon Fiber	4.5 oz	Plain Weave	<b>②</b>			
ANTI-STATIC BIZFLAME FLAME-RESISTANT	UFR21	99% Cotton, 1% Carbon Fiber	7 oz	Twill		•	•	
BIZFLAME" % 8	FR94, UFR88, FR89	88% Cotton, 12% Nylon	7 oz	Twill	<b>②</b>	<b>②</b>	<b>②</b>	
	FR95	88% Cotton, 12% Nylon	7oz	Twill	<b>②</b>	•	•	
BIZWELD FLAME-RESISTANT	UBIZ1, UBIZ5, BZ31	100% Cotton, FR Finish	9.5 oz	Twill	•	•	•	
ANTI-STATIC  MODA FLAME  FLAME RESISTANT	UFR81, FR09	60% Modacrylic, 39% Cotton, 1% Carbon Fiber	9 oz	Knit				
PLAME RESISTANT	UMV21	60% Modacrylic, 39% Cotton, 1% Carbon Fiber	5.5oz	Knit		<b>②</b>	<b>②</b>	
	FR96	60% Modacrylic, 40% Cotton	8oz	Knit				
BIZFLAME FLAME-RESISTANT	FR01 FR02	100% Cotton	7 oz	Interlock Knit				
SEALTER WAY	FR44 FR41, FR43	100% Polyester, FR & Antistatic, PU Coated	7.5 oz	PU Coated				
ANTI-STATIC BIZFLAME FLAME-RESISTANT	US773	98% Polyester, 2% Antistatic Carbon Fiber, Breathable, PU Coated	7.5 oz	PU Coated				
	S783, S771	98% Polyester, 2% Antistatic Carbon Fiber, Breathable, PU Coated	7.5 oz	PU Coated				
BIZFLAME FLAME-RESISTANT	FR75	100% Polyester, Warp Knit	3.5 oz	Knit				



	ASTM F1959	ANSI/ISEA 107 - 2015	<u>4</u> EN 1149	EN ISO 11612	EN ISO 11611	IEC 61482-2	EN ISO 14116	EN ISO 20471	EN 13034	EN 343
	ARC 1 5.9 Cal/cm <sup>2</sup>		<b>②</b>	<b>②</b>						
	ARC 2 8.2 Cal/cm <sup>2</sup>									
	ARC 2 8.2 Cal/cm <sup>2</sup>			<b>②</b>						
1	ARC 2 9 Cal/cm <sup>2</sup>	<b>②</b>								
	ARC 2 11.2 Cal/cm <sup>2</sup>			<b>Ø</b>	<b>Ø</b>					
	ARC 2 16 Cal/cm²		<b>②</b>	<b>②</b>		<b>②</b>				
	ARC 1 4.9 Cal/cm <sup>2</sup>	<b>②</b>								
	ARC2 9 Cal/cm <sup>2</sup>	<b>②</b>								
	ARC 2 12 Cal/cm <sup>2</sup>			<b>②</b>						
		<b>②</b>	<b>②</b>				<b>②</b>	<b>②</b>	<b>②</b>	<b>Ø</b>
		<b>②</b>	<b>②</b>				<b>②</b>	<b>②</b>	<b>②</b>	<b>Ø</b>
			<b>②</b>				<b>②</b>		<b>Ø</b>	<b>Ø</b>
		<b>⊘</b>					<b>S</b>	<b>②</b>		

### **Fabric Information**

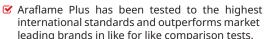
Araflame Plus is an inherently flame resistant fabric developed for excellence, using innovative technology. The FR properties are permanent and will not diminish with washing.





### **Fabric Benefits**

- outstanding heat and flame resistance combined with 5% Para-aramid for strength. Araflame Plus is inherently anti static by incorporating 2% carbon
- international standards and outperforms market leading brands in like for like comparison tests.
- ☑ Dyed at high temperatures using advanced technology, Araflame Plus offers outstanding color fastness and excellent shrinkage results.
- ▼ The smooth handle gives the wearer comfort that lasts throughout the day.



### UAF73

### **Araflame NFPA 2112 FR Coverall**















ASTM F1959/F1959M-12 ATPV 5.9 CAL/CM<sup>2</sup> (HAF 63.1%) NFPA® 2112

EN ISO 11612 A1 + A2, B1, C1, F1 EN 1149 -5

- · ARC1
- · Permanent flame resistant protection
- · Heavy duty flame resistant tape
- · Outstanding color fastness and shrinkage results
- · Pockets: 2 front, 2 side, 2 back, 1 rule, 1 sleeve
- · Lightweight and comfortable



Araflame Plus, 4.5oz Navy, Gray 36"-66"













### **Fabric Information**

Bizflame Plus has been developed and designed using a highly innovative flame resistant fabric with added anti-static properties. Constructed from 99% cotton and interwoven with 1% carbon











**Super Light Weight FR Anti-Static Coverall** 















### NFPA

ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM2 (HAF 75.5%) **ASTM F1506-10A** 

NFPA® 70E

· ARC2

- · Guaranteed flame resistance for life of garment
- · Comfortable, lightweight fabric
- · Highly durable, flame resistant reflective tape
- · Pockets: 2 front, 2 side, 2 rear, 2 knee, 1 sleeve, 1 rule
- · Full front, top quality brass zipper

IIIIIIIII X

Bizflame Plus, 7oz Navy S-4XL, Orange M-3XL











UFR88

### **Fabric Information**

Bizflame 88/12 guarantees high performance and maximum comfort. The high cotton content provides an ultra soft handle while the nylon offers excellent abrasion and tear resistance.





7oz











### UFR88

### Bizflame 88/12 **FR Coverall**





ASTM F1959/F1959M-12 ATPV 8.2 CAL CM<sup>2</sup> (HAF 69.1%) **ASTM F1506-10A** NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2,B1,C1

- · ARC2
- · Dual hazard protection
- · Protects against radiant and convective heat
- · Guaranteed flame resistance for life of garment
- · Pockets: 2 front, 2 side, 2 back, 1 sleeve, 1 rule
- · Full front, top quality brass zipper



Bizflame 88/12, 7oz Navy M-3XL







### **Fabric Information**

9.50z

The garments in the Bizweld Flame Resistant range have been specially designed to guarantee comfort, performance and safety whilst providing effective function at all times. This range has been rigorously tested to meet and surpass the latest EN and US standards.















### **Bizweld Iona FR Coverall**















#### ASTM NFPA

ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM<sup>2</sup> (HAF=80.4%)**ASTM F1506-10A** NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1, E1, F1 EN ISO 11611 CLASS 1 A1+A2

- · ARC2
- · Dual hazard protection
- Protects against radiant, convective and contact
- · Certified protection against molten metal splash
- · Guaranteed flame resistance for life of garment
- · Highly durable, flame resistant reflective tape
- Pockets: 2 front, 2 back, 1 concealed cell phone pocket, 2 side, 2 knee, 1 rule



Bizweld, 9.5oz Reg: Navy S-6XL, Orange M-6XL Tall: Navy M-3XL









9.50z









### UBIZ1

### **Bizweld FR Coverall**













#### **NFPA** ASTM

ASTM F1959/F1959M-12 ATPV 11.2 CAL/ CM2 (HAF=80.4%) **ASTM F1506-10A** NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1, E1, F1 EN ISO 11611 CLASS 1 A1+A2

- · ARC2
- · Dual hazard protection
- Protects against radiant, convective and contact heat
- Certified protection against molten metal splash
- Guaranteed flame resistance for life of garment
- Pockets: 2 front, 2 back, 1 concealed cell phone pocket, 2 side, 1 rule

Bizweld, 9.5oz Reg: Navy, Gray S-6XL, Black, Orange M-3XL. Tall: Navy M-5XL



### FLAME RESISTANT WORKWEAR



70z FR89

### Bizflame 88/12 FR Shirt







 $\boxed{24}$   $C \in \boxed{2}$   $\boxed{50}$  ASTM NFPA

ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM<sup>2</sup> (HAF 69.1%)

**ASTM F1506-10A** NFPA® 2112 NFPA® 70E

EN ISO 11612 A1 +A2, B1, C1

- · Dual hazard protection
- · Guaranteed flame resistance for life of garment
- · Pockets: 2 front
- · Lightweight and comfortable
- · Adjustable button cuffs
- · Shirt tail hem stays tucked in

| X

Bizflame 88/12, 7oz Navy, Gray, Khaki S-6XL











### **BZ31**

### **Bizweld FR Cargo Pants**







ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM<sup>2</sup> (HAF = 80.4%)**ASTM F1506-10A** NFPA® 2112 NFPA® 70E

EN ISO 11612 A1 +A2, B1, C1, E1, F1 EN ISO 11611 CLASS 1 A1+A2

- · ARC2
- · Dual hazard protection
- · Guaranteed flame resistance for life of garment
- · Pockets: 2 side, 1 leg, 1 concealed cell phone pocket, 2 rear, 1 rule
- · Elastic waistband for extra comfort



Bizweld, 9.5oz Reg: Navy, Gray S-6XL Tall: Navy, Gray M-4XL





















### Bizflame 88/12 FR Hi-Vis Shirt







ASTM F1959/F1959M-12 ATPV 9 CAL CM/2 (HAF 75.6%)

**ASTM F1506-10A** NFPA® 2112

NFPA® 70E

ANSI/ISEA 107-2015 TYPE R CLASS 3

- · Dual hazard protection
- · Guaranteed flame resistance for life of garment
- · Action back
- · Pockets: 2 front
- $\cdot\,$  Shirt tail hem stays tucked in



Bizflame 88/12, 7oz Yellow S-6XL









### FR Hi-Vis Long Sleeve T Shirt





FR ASTM ANSI

80z

ASTM F1959/F1959M-12 ATPV 9 CAL/CM<sup>2</sup> (HAF 80.8%) **ANSI/ISEA 107-2015 TYPE R CLASS 3** 

- · ARC 2
- · Highly durable, flame resistant reflective tape
- · Permanent flame resistant protection
- · High cotton content gives great comfort



Modaflame Knit, 8oz Yellow S-6XL













### **Fabric Information**

This smooth, high performance interlock knit is made from 100% FR cotton. The fabric offers superior strength and a lightweight feel. Guaranteed flame resistance for the life of the garment ensures value and peace of mind. Bizflame Knit offers outstanding protection against electric arc with an ATPV rating of 12 Cal/cm², this exceeds the requirements for ARC2 clothing.



### **Bizflame FR Crew Neck**



ASTM F1959/F1959M-12 ATPV 12 CAL/CM<sup>2</sup> (HAF = 80.8%)

EN ISO 11612 A1 + A2, B1, C1, F1

- · ARC2
- $\cdot\,$  Moisture wicking, breathable fabric
- · Raglan sleeves for a comfortable fit
- · Pockets: 1 front
- · Signature contrast stitching

100% Cotton, 7oz Navy, Gray, Khaki S-6XL





12 Cal/Cm²

### **Bizflame FR Henley**



**ASTM F1959/F1959M-12 ATPV 12CAL/CM<sup>2</sup> (HAF = 80.8%)** EN ISO 11612 A1 + A2, B1, C1, F1

- · ARC2
- · Moisture wicking, breathable fabric
- · Button front opening with placket
- · Pockets: 1 front
- · Signature contrast stitching



100% Cotton, 7oz Navy, Gray, Khaki S-6XL







## ANTI-STATIC MODA FLAME FLAME RESISTANT



### **Fabric Information**

Constructed from an inherently fire resistant yarn of 60% Modacrylic, 39% Cotton and 1% Carbon Fiber. Tested to meet and surpass the required EN and US Standards, the Modaflame™ Knit range is strong, durable and highly innovative.



FR Zipper Front Hooded Sweatshirt



ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 86%)

EN ISO 11612 A1, B1, C1, F1 IEC 61482-2 IEC 61482-1-2 CLASS 1 EN 1149 -5

- · ARC2
- · Permanent flame resistant protection
- $\cdot\,$  High cotton content gives great comfort
- $\cdot\,$  Rib knit cuff and hems for snug fit
- · Pockets: 2 front

X |||||||||

Modaflame Knit, 9oz Navy M-6XL











ASTM F1959/F1959M-12 ATPV 16 CAL/CM2 (HAF 86%)

EN ISO 11612 A1, B1, C1, F1 IEC 61482-2 IEC 61482-1-2 CLASS 1 EN 1149 -5

- · ARC2
- · Permanent flame resistant protection
- · Inherently anti-static
- · High cotton content gives great comfort
- · Retains shape, wear after wear



Modaflame Knit, 9oz Navy Universal size







### **Fabric Information**

Constructed from a flame resistant, PU coated, polyester fabric 7.5oz, the lightweight and durable Sealtex Flame is designed to offer full protection against adverse weather conditions and flame hazards.

# Maximum Wind, Rain and Flame Protection



### FR44

Sealtex Flame FR Hi-Vis Coat 50"













### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISÓ 14116 INDEX 1 5H/40 EN 1149-5 EN ISO 20471 CLASS 3 EN 13034 TYPE 6 EN 343 CLASS 3:1

- $\cdot$  Flame Resistant treated waterproof fabric
- $\cdot\,$  2" Flame resistant reflective tape
- · Zipper storm flap front closure
- · Pack away adjustable hood
- · Easy access cargo pockets
- $\cdot\,$  Snaps on cuffs for snug fit
- · I.D window slot on left chest
- · D-ring access under back yoke



Sealtex Flame, 7.5oz Yellow S-6XL





### Flame Resistant Tested:

These garments are tested under test method ASTM D6413 which is used to measure the vertical flame resistance of textiles.



7.50z



### Sealtex Flame FR Hi-Vis Jacket



### **ANSI/ISEA 107-2015 TYPE R CLASS 3**

EN ISO 14116 INDEX 1 /5H/40 EN 1149 -5 EN 13034 TYPE 6 EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · Flame resistant treated waterproof fabric
- · 2" flame resistant reflective tape
- · Zipper storm flap front closure
- · Pack away adjustable hood
- · Easy access cargo pockets
- · Snaps on cuffs for snug fit
- · Welded waterproof seams



Sealtex Flame, 7.5oz Yellow S-5XL



#### go mm ANSI FR

### ANSI/ISEA 107-2015 CLASS E

EN ISO 14116 INDEX 1 /5H/40 EN 1149 -5 EN 13034 TYPE 6 EN ISO 20471 CLASS 1 EN 343 CLASS 3:1

- · Flame resistant treated waterproof fabric
- · 2" flame resistant reflective tape
- · Elasticated waist

**FR43** 

- · Snaps on hems
- · Welded waterproof seams



Sealtex Flame, 7.5oz Yellow S-5XL







### **Fabric Information**

Bizflame Rain is manufactured from 98% polyester, 2% carbon fiber 7.5oz fabric. It is highly visible, flame resistant, waterproof and breathable and has a durable chemical resistant finish.

**Stay Safe** with Added Flame Resistant **Protection** 





**US773** 

**Bizflame Rain Hi-Vis** 

**Anti-static FR Bomber Jacket** 















7.50z







### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 14116 INDEX 3 /12H/40 EN 1149 -5 EN 13034 TYPE 6 EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · Flame resistant treated waterproof fabric
- · 2" flame resistant reflective tape
- · Zipper front with storm flap
- · Breathable fabric with fully sealed seams
- · Fully lined insulated jacket
- · Pockets: 1 cell phone, 2 side with flaps, 1 internal
- · 2 Mic tabs
- · Pack away detachable hood



Bizflame Rain, 7.5oz 100% Cotton Flame Resistant Lining, 5oz 100% Polyester Flame Resistant Filling, 3oz Yellow M-6XL

### Flame Resistant Tested:

These garments are tested under test method ASTM D6413 which is used to measure the vertical flame resistance of textiles.









**S783** 

### Bizflame Rain FR **Bomber Jacket**









- · Flame resistant treated waterproof fabric
- · 2" flame resistant reflective tape
- · Zipper front with storm flap
- · Breathable fabric with fully sealed seams
- · Fully lined insulated jacket
- · Pockets: 1 cell phone, 2 side with flaps, 1 internal
- · 2 Mic tabs
- · Pack away detachable hood



Bizflame Rain, 7.5oz 100% Cotton Flame Resistant Lining, 100% Polyester Flame Resistant

Filling, 3oz Navy S-6XL 



### **Bizflame Rain FR Pants**











7.50z

EN ISO 14116 INDEX 3 /12H/40 EN 1149 -5 EN 13034 TYPE 6 EN 343 CLASS 3:3

- · Flame resistant treated waterproof fabric
- · 2" flame resistant reflective tape
- Breathable fabric with fully sealed seams
- · Elasticated waist
- · Adjustable straps with durable buckle closure
- · Side zipper leg opening for easy access



Bizflame Rain, 7.5oz 100% Cotton Flame Resistant Lining, 5oz Navy S-4XL







### **Flame Resistant Tested:**

These garments are tested under test method ASTM D6413 which is used to measure the vertical flame resistance of textiles.



### **Outstanding Protection - Outstanding Value**









### **UMV21**

### ARC Rated FR Mesh Vest



ASTM NFPA ANSI

ASTM F1959/F1959M-12 ATPV 4.9 CAL/CM2 HAF 68% **ASTM F1506-10A** NFPA® 70E ANSI/ISEA 107-2015 TYPE R CLASS 2

- · 2" flame resistant reflective tape
- · Flame Resistant modacrylic (5.5oz) mesh
- · Inherent flame resistant qualities will not diminish
- · Hook and loop closure
- · Pockets: 1 internal
- · To be worn over ARC rated clothing only
- · Not meant to be worn alone or over non-ARC resistant apparel



60% Modacrylic, 39% Cotton, 1% Carbon Fiber, 5.5oz Yellow M-6XL

WARNING: This product should not be worn alone or over non-ARC rated apparel.









### **FR75**

### Hi-Vis FR Vest







**ANSI** 

ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

EN ISO 14116 INDEX 1 /5H/40

- · 2" flame resistant reflective tape
- · Solid polyester treated fabric
- · Hook and loop closure
- · Dual sizing

100% Polyester, Warp Knit, 3.5oz Yellow S/M-4XL/5XL

### **Flame Resistant Tested:**

These garments are tested under test method ASTM D6413 which is used to measure the vertical flame resistance of textiles.



### **Hi-Vis American Top Sellers**

Our top selling styles in contemporary Yellow and Black





# 5 USA Industry Leading High Visibility Fabrics



**Portwest Glowtex®** Triple Technology uses the latest innovation in light emitting technology to ensure the wearer achieves the highest level of protection in high visibility apparel. The revolutionary light emitting Glowtex phosphorescence tape accumulates the light in well lit places and emits light in very low or no light conditions – i.e. it glows in the dark.



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.



**Sealtex®** Ultra is a highly breathable, high technology, PU coated fabric bonded to a flexible 100% polyester tricot knit. This 5.5oz Waterproof, Windproof, and breathable fabric will keep you warm and dry in adverse weather conditions. Welded, waterproof seams keep rain and wind out while the durable, anti-fungal, anti-tear, flexible fabric can easily be wiped clean, allowing these garments to look great while lasting longer.



The Portwest range of **Cotton Comfort** garments are manufactured from a fully ANSI/ISEA 107 certified 55% cotton, 45% polyester fabric with cotton on the inside for comfort and polyester on the outside for maximum durability. The cotton/polyester mix ensures that the garment is highly breathable and that a comfortable temperature is maintained at all times.



The **Vestport** range incorporates three fabric combinations including 100% Polyester full mesh, solid warp knit and half mesh/half solid. The fabrics are durable, comfortable, highly breathable and certified to the latest ANSI/ISEA 107 standard.

NOTE: Glowtex is a registered trademark of Portwest. Sealtex is a registered trademark of Portwest. VEST-PORT is a trademark of Portwest.



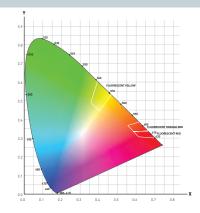


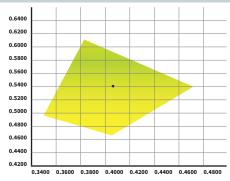


## **Quality Testing**

The cornerstone of our success has always been our stringent quality control. Can you be sure the product you are wearing conforms to ANSI/ISEA 107? A certificate from a test house guarantees that the garment or fabric sent to the test house has attained the ANSI/ISEA 107 standard. It is not a guarantee that the bulk production meets the standard. Therefore, we check every roll of fabric and reflective tape with highly specialized equipment which guarantees all our products achieve the ANSI/ISEA 107 standard.







X= 0.40565 | Y= 0.5397

### Fabric Testing

In our quality control laboratory we use the Minolta spectrophotometer to check every roll of fabric. This guarantees that the fabric used is fully compliant to the ANSI/ISEA 107 standard.

This graph displays the CIE 1931 X, Y chromaticity diagram which defines a color space for graphing color.

### **CLOSE-UP VIEW OF FLUORESCENT YELLOW**

This graph shows an enlarged view of the yellow ANSI/ISEA 107 color range. The color co-ordinates marked on the graph are a reading from our fluorescent yellow fabric. This reading is taken using the Minolta spectrophotometer.

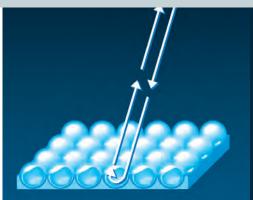


We take pride in assuring customers that the **HiVisTex™** retro reflective tape used is of the highest quality and fully compliant to ANSI/ ISEA 107 standard. HiVisTex gives superior performance in all weather conditions. Every roll of reflective tape is tested separately to ensure that it meets the ANSI/ISEA 107 standard



### RETROREFLECTOMETER

This is for checking the performance of retroreflective tape.



### **HIVISTEX REFLECTIVE TAPE**

This has thousands of glass beads per centimeter squared - working as thousands of tiny mirrors, reflecting light back towards its source as a brilliant white glow.

### HIGH VISIBILITY WARNING CLOTHING

Our High Visibility range is fully certified and tested to the ANSI/ISEA 107 standard, ideal for those who will not compromise on style, comfort, protection and performance. These garments are designed to keep you warm, dry and visible in all conditions.

### **ANSI/ISEA 107 HIGH VISIBILITY - 2015**

ANSI/ISEA 107-2015 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 Performance parameter:

X indicates the garment Type (3 Types)
Y indicates the Performance Class (4 Classes)
Z indicates flame resistance statement
represented as either 'FR' or 'NOT FR'.

**High Visibility Garment Types** are designated by the work environment in which the wearer is performing a task. There are 3 types as shown on the table below – **Type O, Type R and Type P.** 

Performance Classes provide a range of design options corresponding with the needs of the user in the expected risk environment.

Class 1 (Type O) is worn in non-complex work areas in which vehicles will not be moving at roadway speeds.

Class 2 (Type R or P) uses more high visibility material than Class 1 which allows the HVSA to define the human more effectively.

Class 3 (Type R or P) can offer greater visibility to the wearer in both complex backgrounds and through a full range of body movements by mandatory placement of background material and reflective tape on sleeves, legs etc.

Class E Supplemental Items such as pants, overalls, shorts and gaiters shall not be worn alone to meet HVSA PPE requirements. When a Class E item is worn with Performance Class 2 or Class 3, the overall classification shall be Performance Class 3.

### Examples:

TYPE O CLASS 1

retroreflective materials



TYPE R CLASS 3 Must incorporate a minimum of 1240 in<sup>2</sup> of background material and 310 in<sup>2</sup> of retroreflective materials.

Must incorporate a minimum of 217 in² of background material and 155 in² of



TYPE R CLASS 2
Must incorporate a minimum of 775 in<sup>2</sup> of background material and 201 in<sup>2</sup> of retroreflective materials

US380

E043



CLASS E SUPPLEMENTAL

Must incorporate a minimum of 465 in² of background material and 109 in² of retroreflective materials.

Table 1 Minimum Areas of Visible Materials

Garment Type	Performance Class	Background Material	Retroreflective or Combined- Performance Materials	Minimum Width Reflective Material	
Type O Off-road and Non-Roadway Use	Class 1	0.14m² (217in²)	0.10m² (155in²)	25mm (1in.)	
Type R Roadway and	Class 2*	0.50m² (775in²)	0.13m² (201in²)	25mm (1in.) 35mm (1.38in.)	
Temporary Traffic Control Zones	Class 3**	0.80m² (1240in²)	0.20m² (310in²)	25mm (1in.) 50mm (2in.)	
Type P Emergency and Incident	Class 2	0.29m² (450in²)	0.13m² (201in²)	25mm (1in.) 50mm (2in.)	
Responders and Law Enforcement Personnel	Class 3	0.50m² (775in²)	0.20m² (310in²)	25mm (1in.) 50mm (2in.)	
Supplemental Items	Class E	0.30m² (465in²)	0.07m² (109in²)	25mm (1in.) 50mm (2in.)	

\*For the smallest size in Type R, Class 2, a minimum of  $0.35\,\mathrm{m}^2$  ( $540\,\mathrm{in}^2$ ) of background material may be used to accommodate small-sized workers. All subsequent larger sizes must use  $0.50\,\mathrm{m}^2$  ( $775\,\mathrm{in}^2$ ).

\*\*For the smallest size in Type R, Class 3, a minimum of 0.65 m² (1000 in²) of background material may be used to accommodate small-sized workers. All subsequent larger sizes must use 0.80 m² (1240 in²).

**High Visibility accessories** are not intended to be used alone as personal protective equipment against struck-by hazards and these items do not contribute to the minimum areas of visible materials of the HVSA.

Table 2. Minimum area of visible materials of optional high visibility accessories

Accessory	Background Material	Retroreflective or Combined-Performance Materials	Minimum Width Reflective Material		
Gloves	0.0065m² (10in²)	0.0065m² (10in²)	25mm (1in.)		
Arm or leg bands	0.015m² (24in²)	0.015m² (24in²)	25mm (1in.)		
Headwear, hoods (attached or detachable)	0.05m² (78in²)	0.0065m² (10in²)	25mm (1in.)		





OXFORD WEAVE INDUSTRY

ENGINEERED FOR ENDURANCE

**Portwest PW3 High Visibility** is characterized by fresh dynamic designs, premium fabrics and a contemporary fit. Using advanced HiVisTex Pro retro reflective tape, the segmented heatseal tape flexes with movement. Certified to the latest ANSI/ISEA 107 high visibility standard for complete protection.





### **Vision Hi-Vis Rain Jacket**





### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISÓ 20471 CLASS 3 EN 343 CLASS 3:1

- · 2.5" HiVisTex Pro silver reflective tape
- · Pack-away ergonomically shaped hood
- $\cdot\,$  Hook and loop adjustable cuffs
- Pockets: 2 lower side, 1 internal patch pocket and 1 external chest zipper pocket
- · Contrast fleece collar for protection against dirt
- $\cdot\,$  Front closure Ezee Zip zipper
- · Insulatex heat reflective lining
- · Drawcord adjustable curved back hem
- $\cdot\,$  Reflective trim for increased visibility
- $\cdot\,$  Print access for garment customization
- · Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz 100% Polyester, 2oz 100% Polyester Wadding, 5oz Yellow/Black S-6XL



EZE= ZIP





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



Insulatex Heat Reflective
Lining reflects heat back into
the body ensuring maximum
warmth and comfort





Portwest **Glowtex**® Triple Technology uses the latest innovation in light emitting technology.

This ensures the wearer achieves the highest level of protection in high visibility apparel. Glowtex Triple Technology garments incorporate 3 fundamental properties:



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



Very high performance Hi-VisTex retroreflective tape which bounces light back to the source and allows for superior visibility of the wearer in all weather conditions.



**Brightly colored fluorescent background fabric** for complete conspicuity in daylight.





**ANSI/ISEA 107-2015 TYPE R CLASS 3** EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- 1.5" Glowtex phosphorescence glow in the dark tape
- Pack away detachable hood
- · Detachable sleeves, fur collar and fur liner
- Stormflap with Ezee Zip zipper and snap closure

**AN 3x1** 

. NEW

3 Ways to

Wear

- · Contrast panel for protection against dirt
- · Waterproof with sealed seams
- Pockets: 1 cell phone, 2 chest zipper, 2 lower welt, 1 sleeve, and 2 internal patch



100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz 100% Polyester, 2oz



100% Polyester Fur Lining 14oz
Sleeve: 100% Polyester Filling 3.5oz
Yellow/Navy S-4XL



EZE= ZIP



# Technology that **Glows** in the Dark

**TESTED TO THE LATEST** ANSIISEA 107 STANDARD

NOTE: Glowtex is a registered trademark of Portwest. HiVisTex is a trademark of Portwest.



**Glowtex Triple Vest** 



#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- · 1.5" Glowtex phosphorescence glow in the dark tape
- · Pockets: 1 cell phone, 1 pen, 2 front patch with top and side entry
- · D-ring
- · Front snap closure



100% Polyester, Warp Knit, 3.5oz Yellow M-5XL





**G470** Triple Technology Vest





#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- 1.5" Glowtex phosphorescence glow in the dark tape
- · Extremely lightweight cooling fabric
- Hook and loop closure for easy access
- Generous fit for wearer comfort



100% Polyester Warp Knit, 3.5oz Yellow S/M-2XL/3XL

Visit www.portwest.com/glowtex for more technical information.

# **High Visibility 300D Traffic Jacket Range**

#### **Fabric Information**

Made with 300 Denier 100% Polvester 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.

## **Breathable Protection**





Hi-Vis 7-in-1 Traffic Jacket







#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:3

- · 2" silver reflective tape
- · Pack away detachable hood, ID window and adjustable
- · Outer jacket pockets: 1 radio, 2 front patch with top and side entry, 1 cell phone, 1 sleeve and 1 internal
- · Detachable inner reversible bodywarmer vest with removable sleeves
- · Inner jacket pockets: 1 chest radio, 2 lower front, 2 lower on reverse inner jacket
- · Mic tab
- Badge holder
- · Print access for garment customization
- · Waterproof and breathable with sealed seams

100% Polyester, 300D Oxford Weave, PU Coated, Breathable, Stain-Resistant Finish, 5.5oz Outer Jacket: 100% Polyester Mesh, 2oz Inner Jacket: 65% Polyester, 35% Cotton, 2oz Inner Jacket: 100% Polyester, 4.5oz









1 Outer jacket

Outer jacket with

## 7 Ways to Wear This Garment

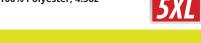






6 Bodywarmer

Bodywarmer vest







- · Pack away adjustable hood
- · Hook and loop adjustable cuffs
- · Outer jacket pockets: 1 cell phone under stormflap, 2 lower front patch, 1 inner left chest
- · Inner jacket pockets: 2 lower front, 1 internal patch
- · Contrast panel for protection against dirt
- · Outer and inner jackets allow print access for garment customization
- · Waterproof with sealed seams



100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz Outer Jacket: 100% Polyester Mesh, 2oz

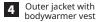
Inner Jacket: 100% Polyester Fleece, 8.5oz

Yellow/Navy S-4XL,

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









5 Bodywarmer vest



A Year Round Bestseller -

A Solution for All Seasons

4 Ways to Wear This Garment





Bodywarmer vest



Bodywarmer vest reversed



**US468** 

Hi-Vis 4-in-1 Traffic Jacket



#### **ANSI/ISEA 107-2015 TYPE R CLASS 3**

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Pack away adjustable hood and elasticated cuffs
- · Removable inner reversible bodywarmer vest
- · Pockets: 1 cell phone under stormflap, 2 lower welt with flaps and 1 internal
- · Inner Bodywarmer vest Pockets: 2 outer, 2 inner
- · Stormflap with zipper and snap closure
- · Print access for garment customization
- · Waterproof with sealed seams



100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz 100% Polyester, 2oz Yellow S-3XL





- · 2" silver reflective tape
- · Pack away detachable hood
- · Knitted cuffs and waistband
- · Detachable sleeves, fur collar and fur liner
- · Pockets: 1 cell phone, 2 chest zipper, 2 lower welt, 1 sleeve, and 2 internal patch
- · Stormflap with zipper and snap closure
- · Contrast panel for protection against dirt
- · Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz 100% Polyester, 2oz

100% Polyester Fur Lining, 14oz Sleeve: 100% Polyester Filling, 3.5oz

Yellow/Navy M-6XL







Bodywarmer vest





**Extremely Versatile** All Season Style

Internal **TABLET POCKET** for Safe Storage 10"x 14"

3 Ways to Wear This Garment



Outer jacket



Detachable zipper sweatshirt can be worn separately or with main jacket





### Hi-Vis Premium 3-in-1 Bomber











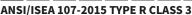












EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- Pack away adjustable hood
- · Elasticated waistband and adjustable cuffs
- · Detachable zipper sweatshirt
- · Outer jacket pockets: 1 left chest radio, 2 lower front, 1 inner tablet, 1 sleeve
- · Inner jacket pockets: 2 lower front
- · Storm flap and zipper front closure
- · 2 mic tabs

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- Contrast panel for protection against dirt
- · Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz

Inner Garment: 100% Polyester Fleece, 9oz

100% Polyester, 1.5oz Yellow/Black S-6XL



Outer jacket with

inner sweatshirt

TEXPEL









High Performance Waterproof Protection





Internal
TABLET
Pocket for
Safe Storage
10"x 14"

2 Ways to Wear This Garment



2 Detachable fleece liner



**US364** 

Outer jacket

#### Hi-Vis Premium 2-in-1 Bomber









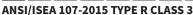












EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Pack away adjustable hood
- · Elasticated waistband and adjustable cuffs
- · Detachable fleece liner with fleece sleeves for extra warmth
- Outer jacket pockets: 1 left chest radio, 2 lower front, 1 inner tablet, 1 sleeve
- · Inner jacket pocket: 1 inner chest
- · 2 mic tabs
- $\cdot$  Contrast panel for protection against dirt
- · Waterproof with sealed seams



100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz Inner Garment: 100% Polyester Fleece, 8.5oz

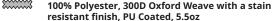


100% Polyester, 1.5oz Yellow/Black S-6XL





- Pack away adjustable hood
- Elasticated waistband and adjustable cuffs
- Detachable fleece liner with fleece sleeves for extra warmth
- Outer jacket pockets: 1 left chest radio, 2 lower front, 1 inner tablet, 1 sleeve
- · Inner jacket pocket: 1 inner chest
- 2 mic tabs
- Contrast panel for protection against dirt
- · Waterproof with sealed seams



Inner Garment: 100% Polyester Fleece, 8.5oz

100% Polyester, 1.5oz Yellow/Black S-6XL







**BOMBER JACKET** 

Fully Insulated
Winter Bomber
Jacket gives
Maximum
Warmth,
Comfort and
Safety



Internal
TABLET
Pocket for
Safe Storage
10"x 14"









ANSI/ISEA 107-2015 TYPE R ( EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Pack away adjustable hood
- · Elasticated waistband
- · Quilt lined
- Pockets: 1 left chest radio, 2 lower front, 1 inner tablet pocket
- · 2 mic tabs
- · Contrast panel for protection against dirt
- · Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz

 resistant finish, PU Coat 100% Polyester, 1.5oz 100% Polyester, 5oz Yellow/Black S-7XL





**INSULATED** 





**US463** 

**Hi-Vis Bomber Jacket** 





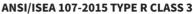












EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 EN 342 0.503M<sup>2</sup> K/W(B), X, 3, 2

- 2" silver reflective tape
- Pack away adjustable hood
- Elasticated waistband
- Elasticated storm cuffs
- Quilt lined
- Pockets: 1 cell phone concealed under stormflap, 2 lower welt with flaps and 1 internal patch
- Stormflap with zipper and snap closure
- Contrast fleece collar for protection against dirt
- Print access for garment customization
- · Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz 100% Polyester, 2oz

100% Polyester, 5oz Yellow S-7XI

## **Quilt Lined for Great Thermal Insulation**



## **URT32**

## **Hi-Vis Bomber Jacket**

















#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 EN 342 0.503M2 K/W(B), X, 3, 2

- 2" silver reflective tape
- Pack away detachable hood
- · Elasticated waistband
- Elasticated storm cuffs
- Quilt lined
- Pockets: 1 cell phone concealed under stormflap, 2 lower welt with flaps and 1 internal patch
- Stormflap with zipper and snap closure
- Contrast fleece collar for protection against dirt
- Print access for garment customization
- Waterproof with sealed seams

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100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5ozoz 100% Polyester, 2ozoz 100% Polyester, 5ozoz

**Orange S-5XL** 



INSULATED JACKET

**INSULATED** 



**US466** 

## Hi-Vis Contrast Traffic Jacket









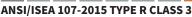












EN ISÓ 20471 CLASS 3 EN 343 CLASS 3:1 EN 342 0.503M2 K/W(B), X, 3, 2

- · 2" silver reflective tape
- · Pack away adjustable hood
- Elasticated storm cuffs
- Quilt lined
- Pockets: 1 cell phone concealed under stormflap, 2 lower welt with flaps and 1 internal patch
- Stormflap with zipper and snap closure
- Contrast panel for protection against dirt
- Print access for garment customization

Yellow/Royal M-3XL

· Waterproof with sealed seams

**\*\*\*\*\*\*\*** III III X 100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated,5.5oz 100% Polyester, 2oz 100% Polyester, 5oz Yellow/Navy S-5XL, Yellow/Black S-6XL,





**Industry Bestsellers** 

### **US467**

Hi-Vis Two Tone Traffic Jacket













#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 EN 342 0.503M<sup>2</sup> K/W(B), X, 3, 2

- · 2" silver reflective tape
- · Pack away adjustable hood
- Elasticated storm cuffs
- Quilt lined
- Pockets: 1 cell phone concealed under stormflap, 2 lower welt with flaps and 1 internal patch
- · Stormflap with zipper and snap closure
- · Contrast panel for protection against dirt
- · Waterproof with sealed seams

**\*\*\*\*\*\*\*** 

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz

100% Polyester, 2oz 100% Polyester, 5oz Orange/Navy S-5XL











## **US460**

## Hi-Vis Traffic Jacket





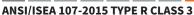












EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 EN 342 0.503M2 K/W(B), X, 3, 2

- · 2" silver reflective tape
- · Pack away adjustable hood
- · Elasticated storm cuffs
- · Quilt lined
- Pockets: 1 cell phone under stormflap, 2 lower welt with flaps and 1 internal patch
- · Stormflap with zipper and snap closure
- · Waterproof with sealed seams

**\*\*\*\*\*\*\*\*** 

\_\_\_\_\_ MYYYY) III IIII X 100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz 100% Polyester, 2oz

100% Polyester, 5oz Yellow S-7XL



**Outstanding Value Uncompromising Safety** 

### **URT30**

#### Hi-Vis Traffic Jacket



#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 EN 342 0.503M2 K/W(B), X, 3, 2

- · 2" silver reflective tape
- · Pack away detachable hood
- · Elasticated storm cuffs
- Quilt lined
- Pockets: 1 cell phone under stormflap, 2 lower welt with flaps and 1 internal patch
- Stormflap with zipper and snap closure
- Waterproof with sealed seams

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100% Polyester, 300D Oxford Weave, PU Coated, Stain-Resistant Finish, 5.5oz

100% Polyester, 2oz 100% Polyester, 5oz ШШШХ

**Orange S-5XL** 

















**S486** 

#### **Hi-Vis Two Tone Traffic Pants**













TEXPEL



· 2.5" silver reflective tape

· Elasticated waist

EN 343 CLASS 3:1

- · 2 side pass through pockets
- · Snap adjustable hems for a secure fit
- · Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz



Yellow/Black S-5XL





**S480** 



#### **Hi-Vis Traffic Pants**











EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Elasticated waist
- · Snap adjustable hems for a secure fit
- · Waterproof with sealed seams

£

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz

III III X

Yellow S-6XL, Orange S-3XL





**S686** 



#### **Hi-Vis Contrast Pants - Lined**











#### ANSI/ISEA 107-2015 CLASS E EN ISO 20471 CLASS 2

EN 343 CLASS 3:1 EN 342 0.421M2.K/W (B), X,3,2

- · 2.5" silver reflective tape
- · Back elasticated waist
- · Fully guilt lined for added warmth and comfort
- · Twin stitched seams
- Pockets: 1 thigh with 1 cell phone, 2 side and 1 back pocket
- Front zipper fly opening
- · Side zipper leg opening for easy access
- · Contrast panels for protection against dirt
- · Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz



100% Polyester, 2oz 100% Polyester, 5oz Yellow/Navy S-3XL





#### ANSI/ISEA 107-2015 CLASS E

EN 343 CLASS 3:1 EN 342 0.446M2.K/W (B), X,2,2

· 2" silver reflective tape

- Pockets: 1 upper chest patch with 1 cell phone, 2 side pass through, 1 patch with flap and 1 double rule pocket on the back
- · Front zipper fly opening
- · Side waist button expansion
- Adjustable straps with durable buckle closure
   Contrast panel for protection against dirt
   Waterproof with sealed seams

- Side zipper leg opening for easy access
- · Quilt lined

£ 100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz

100% Polyester, 2oz 100% Polyester, 5oz ШШШХ Yellow/Navy S-3XL

#### ANSI/ISEA 107-2015 CLASS E

EN ISO 20471 CLASS 2 EN 343 CLASS 3:3

- · 2" silver reflective tape
- Pockets: 1 upper chest patch with 1 cell phone, 2 side pass through, 1 patch with flap and 1 double rule pocket on the back
- Front zipper fly opening
- Side waist button expansion
- Adjustable straps with durable buckle closure
- Contrast panel for protection against dirt
- Waterproof with sealed seams

100% Polyester, 300D Oxford Weave, PU Coated, Breathable, Stain-Resistant Finish, 5.5oz 

Yellow/Navy S-3XL



- · 2" silver reflective tape
- · Pack away adjustable hood
- · Elasticated storm cuffs
- · Quilt lined
- Pockets: 1 cell phone under stormflap, 2 chest with zippers and 2 lower patch with flaps
- · Double stormflap with 2-way
- zipper and snap closure
- · Side zipper leg opening for easy access
- · Mic tab
- Contrast panel for protection against dirt
- · Waterproof with sealed seams

£

100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz 100% Polyester, 2oz 100% Polyester, 5oz Yellow/Navy S-6XL, Orange/Navy S-6XL, Yellow/Black S-6XL







## **US469**

Hi-Vis Reversible Bodywarmer Vest















**ANSI/ISEA 107-2015 TYPE R CLASS 2** EN ISO 20471 CLASS 2

· 2" silver reflective tape

· Quilt lined

· Pockets: 2 welt with flaps on outside, 2 lower patch on reverse side

· Zipper front closure

· Waterproof with sealed seams

100% Polyester, 300D Oxford Weave with a stain resistant finish,

PU Coated, 5.5oz

65% Polyester, 35% Cotton, 7.5oz 100% Polyester, 6oz

Yellow S-5XL, Orange M-3XL



Reverse: Rugged Navy Blue Polyester/ Cotton





**MESH LINED JACKET** 

# **OXFORD WEAVE**

## **Fabric** Information

Made with 150 Denier 100% Polyester 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.



## **US160**

**Hi-Vis Lite Traffic Jacket** 

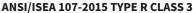












EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Pack away adjustable hood
- · Adjustable cuffs with snap closure
- · Pockets: 2 large lower welt
- · Stormflap with zipper and snap closure
- · Print access for garment customization
- · Waterproof with sealed seams

£

100% Polyester, 150D Oxford



Weave, PVC Coated, 6oz 100% Polyester Mesh, 2oz Yellow S-6XL, Orange M-3XL





## **Fabric** Information

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.





**Hi-Vis Classic** Rain Coat 48"













ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Pack away adjustable hood
- · Elasticated storm cuff
- · Pockets: 2 deep front
- · Stormflap and zipper closure
- · Mic tab
- Badge holder
- · Waterproof with sealed seams



100% Polyester, 190T, Plain Weave, PVC coated, 6oz 100% Polyester Mesh, 2oz Yellow S-6XL



**Superb Abrasion & Tear Resistance** 



**High Visibility Essentials** 





## **H444** Hi-Vis Classic **Contrast Rain Pants**











ANSI/ISEA 107-2015 CLASS E EN ISÓ 20471 CLASS 1 EN 343 CLASS 3:1

- 2" silver reflective tape
- · Elasticated waist
- · Twin stitched seams
- Snap adjustable hems for a secure fit
- · Contrast panel for protection against dirt
- · Lightweight, waterproof fabric with sealed seams

100% Polyester, 190T, Plain Weave, PVC coated, 6oz Yellow/Black S-6XL









## **Hi-Vis Classic Contrast Rain Jacket**













#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- 2" silver reflective tape
- Pack away adjustable hood
- Elasticated stormcuff
- Pockets: 2 large front
- Zipper closure with inner stormflap
- Vented back yoke and eyelets
- · Contrast panel for protection against dirt
- Lightweight, waterproof fabric with sealed seams



100% Polyester, 190T, Plain Weave, PVC coated, 6oz Yoke Only: 100% Polyester Mesh, 2oz Yellow/Black S-7XL





RAIN JACKET & PANTS

**The Best Value** Waterproof



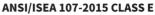
**Hi-Vis Rain Pants** 











EN ISO 20471 CLASS 1 EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Elasticated waist
- · Twin stitched seams
- · Snap adjustable hems for a secure fit
- · Lightweight, waterproof fabric with sealed seams

100% Polyester, 190T, Plain Weave, PVC coated, 6oz

III III X

Yellow XS-6XL, Orange S-5XL







**UH440** Hi-Vis Rain Jacket











#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1

- · 2" silver reflective tape
- · Pack away adjustable hood
- Elasticated stormcuff
- Pockets: 2 large front
- Zipper closure with inner stormflap
- Vented back yoke and eyelets
- · Lightweight, waterproof fabric with sealed seams



100% Polyester, 190T, Plain Weave, PVC coated, 6oz Yoke Only: 100% Polyester Mesh, 2oz Yellow S-7XL, Orange S-4XL







## **US491**

## **Sealtex Ultra Unlined Jacket**













#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:2

- · 2" silver heat seal reflective tape
- · Pack away adjustable hood
- · Adjustable cuffs with snap closure · Unique lightweight flexible fabric
- · Durable and stretchy with a wipe clean finish
- Pockets: 2 lower with flaps
- Stormflap with two-way-zipper and snap closure
- · Breathable and waterproof with welded seams



Sealtex® Ultra, 5.5oz Yellow M-5XL



Durable, Anti-Fungal, **Anti-Tear & Flexible Fabric** 



#### **Sealtex Ultra Reflective Pants**

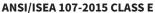












EN ISO 20471 CLASS 1 EN 343 CLASS 3:2

- 2" silver heat seal reflective tape
- · Elasticated waist
- Unique lightweight flexible fabric
- Durable and stretchy with a wipe clean finish
- Snap adjustable hems for a secure fit
- · Breathable and waterproof with welded seams

Sealtex® Ultra, 5.5oz Yellow XS-5XL









## UPJ50

Hi-Vis 3-in-1 Pilot Jacket

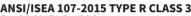












EN ISO 20471 CLASS 3

- · 2" silver reflective tape
- · Elasticated waist and knitted cuffs
- Shower resistant finish on fabric
- Removable sleeves, fur collar and fur liner
- Pockets: 1 cell phone, 2 chest zipper, 2 lower welt, 1 sleeve with zipper, and 1 internal patch
- · Durable two-way-zipper closure
- · Contrast panels for protection against dirt

55% Cotton, 45% Polyester, 7oz 100% Polyester Fur Lining, 13oz 100% Polyester, 2oz Sleeve: 100% Polyester, 3.5oz Yellow/Navy, Orange/Navy



This Garment





fur lining

Outer jacket without fur lining



Premium, Durable **High Visibility Protection** 





#### **Fabric Information**

Combining safety and style, fabrics within our hi-vis workwear ranges are made from a premium durable polyester/cotton. These fabrics offer variations in weight and composition. The bright fluorescent capabilities of our fabrics combined with the garments retroreflective stripes offers the highest possible visibility in poor light or adverse

24 C E M 3 50

EN ISO 20471 CLASS 1

button closure

2" silver reflective tape Back elasticated waist

Texpel dirt release finish

ANSI/ISEA 107-2015 CLASS E

**Hi-Vis Polycotton Pants** 

8oz polyester/cotton tough durable fabric

Pockets: 2 side pass through and 1 back with

80% Polyester, 20% Cotton, 8oz

E041



## E043 Hi-Vis **Polycotton Shorts**













#### ANSI/ISEA 107-2015 CLASS E EN ISÓ 20471 CLASS 1

- 2" silver reflective tape
- Back elasticated waist
- 7oz polyester/cotton tough durable fabric
- Texpel dirt release finish
- Pockets: 1 thigh with 1 cell phone, 2 side, 2 back and 1 double rule
- Contrast panel for protection against dirt
- · Perfect for hot weather

IIIIIIIII X

65% Polyester, 35% Cotton, 7oz Orange/Navy, Yellow/Gray S-XXL







# HIGH VISIBILITY **SOFTSHELL RANGE**

TRIPLE LAYER SYSTEM

#### **Fabric Information**

High visibility 3 layer softshell fabric is made from a 94% polyester/6% Elastane outer layer, laminated to a TPU membrane, and bonded with a 100% polyester micro polar fleece inner layer. The outer layer is windproof, the mid layer provides water resistance while the inner layer adds warmth in cold temperatures yet offers excellent breathability.











## Hi-Vis Softshell Jacket (3L)















ANSI/ISEA 107-2015 TYPE R CLASS 3 - (Full Jacket) ANSI/ISEA 107-2015 TYPE R CLASS 2 - (Bodywarmer Vest)

EN ISO 20471 CLASS 3 - (Full Jacket) EN ISO 20471 CLASS 2 - (Bodywarmer Vest)

- 2" silver reflective tape
- · High performing breathable, wind and water resistant fabric
- Pockets: 1 chest, 2 side, 1 cell phone
- Waterproof zipper with inner chin guard
- Detachable sleeves transforms jacket into bodywarmer vest
- Mic tab
- · Hook and loop adjustable cuffs

£

94% Polyester, 6% Elastane, 4.5oz laminated with 100% Polyester Micro Polar Fleece, 4.5oz. Total weight: 9oz,



Yellow, Orange S-4XL



TEXPEL

## · 2" silver reflective tape

EN ISO 20471 CLASS 3

- High performing breathable, wind and water resistant fabric
- Pockets: 1 chest, 2 side, 1 cell phone
- Center front zipper with stormflap to protect against the elements
- Contrast panels for protection against dirt

ANSI/ISEA 107-2015 TYPE R CLASS 3

Hook and loop adjustable cuffs

**\*\*\*\*\*\*\*** 

94% Polyester, 6% Elastane, 4.5oz laminated with 100% Polyester Micro Polar Fleece, 4.5oz.

Total weight: 9oz

Yellow/Black S-6XL





# HIGH VISIBILITY **FLEECE RANGE**

#### **Fabric Information**

High visibility fleece fabric is made from 100% polyester with a durable anti-pill finish, which ensures no unsightly bobbling on the surface of the fabric. The fleece fabric is soft to handle yet extremely robust. Suitable for all work environments.



**UF301** Hi-Vis Two-Tone Fleece





#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3

- · 2" silver reflective tape
- · Anti-pill durable fleece fabric
- · Contrast panel for protection against dirt
- · Mesh lined for comfort
- Pockets: 2 side zipper, 1 internal cell phone Elasticated waistband and cuffs



100% Polyester, Anti-Pill finish Fleece, 9oz Body: 100% Polyester Mesh, 2oz Sleeve: 100% Polyester Taffeta, 2oz Yellow/Navy M-3XL, Orange/Navy M-XL



Mesh-Lined for Comfort

**Hi-Vis Mesh Lined Fleece** 







#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3

- 2" silver reflective tape
- Anti-pill durable fleece fabric
- Mesh lined for comfort
- Pockets: 2 side zipper, 1 internal cell phone
- Elasticated waistband and cuffs



100% Polyester, Anti-Pill finish Fleece, 9oz Body: 100% Polyester Mesh, 2oz Sleeve: 100% Polyester Taffeta, 2oz Yellow M-5XL, Orange M-4XL







Wind Resistant & Warm

# **HIGH VISIBILITY SWEATSHIRTS**

### **Fabric Information**

Our high visibility sweatshirts are made from a special blend of 65% polyester 35% cotton with a brushed back for extra warmth and comfort. The fabric provides breathability and flexibility combined with superior strength and durability and is manufactured to withstand the most rigorous working environments.



## **B303**

#### **Hi-Vis Sweatshirt**









EN ISO 20471 CLASS 3

- · 2" silver reflective tape
- · Polycotton fabric for extra comfort
- · Elasticated rib waistband and cuffs
- · Crew neck
- · Generous fit



65% Polyester, 35% Cotton, 9oz Yellow S-5XL, Orange M-XL



#### **Xenon Rugby Shirt**









EN ISO 20471 CLASS 3

- · 2" silver reflective tape
- · Polycotton fabric for extra comfort
- · 1/4 length front zipper for added comfort and versatility
- · Reinforced panels in high wear areas for maximum durability
- · Elasticated rib cuffs
- Generous fit



65% Polyester, 35% Cotton, 9oz 100% Polyester Oxford 600D, 6oz Yellow/Black S-6XL





**SWEATSHIRT** 

## **Contrasting** Panels for **Contemporary Style**

**UB316** Kansas Zipped Hoodie



ANSI/ISEA 107-2015 TYPE R CLASS 3 SIZE L UPWARDS ANSI/ISEA 107-2015 TYPE R CLASS 2 SIZE S & M

- 2" silver heat seal reflective tape
- Polycotton fabric for extra comfort
- · Pockets: 2 oversized front
- Contrast panel for protection against dirt
- Adjustable hood for varied weather conditions
- Elasticated rib waistband and cuffs
- Generous fit



65% Polyester, 35% Cotton, 9oz Yellow/Black S-6XL







Generous **Storage Pockets** 





ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3



2" silver reflective tape Pockets: 1 Kangaroo for storage

Adjustable hood for varied weather conditions · Elasticated rib waistband and cuffs



65% Polyester, 35% Cotton, 9oz Yellow S-4XL







ANSI/ISEA 107-2015 TYPE R CLASS 3 - SIZE L UPWARDS ANSI/ISEA 107-2015 TYPE R CLASS 2 - SIZE S & M



- 2" silver heat seal reflective tape
  - weather conditions Elasticated rib waistband

Adjustable hood for varied

- · Pockets: 2 oversized front Contrast panel for protection against dirt
- and cuffs · Generous fit



65% Polyester, 35% Cotton, 9oz Yellow S-6XL





# HIGH VISIBILITY Leisure Range



#### Cotton Comfort 55% Cotton, 45% Polyester

Cotton Comfort fabric is manufactured from a 55% cotton, 45% polyester 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.

## TEXPEL

#### 100% Polyester, Bird Eye Knit

100% polyester bird-eye knit has excellent abrasion resistance, high tensile strength and low linting properties whilst also being highly breathable. Texpel wicking for superior comfort.



#### SHORT SLEEVE T-SHIRT

## **\$170** Cotton Comfort **Short Sleeved T-Shirt**







#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- 2" silver reflective tape
- Cotton rich lightweight and breathable fabric
- 35 UPF rated
- Taped neck seam for extra comfort

55% Cotton, 45% Polyester, Knit, 5oz Yellow S-5XL





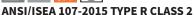


## **S478 Hi-Vis T-Shirt**









EN ISO 20471 CLASS 2

- 2" silver reflective tape
- 100% polyester moisture wicking fabric 50 UPF rated
- · Taped neck seam for extra comfort
- Generous fit
- Crew Neck

100% Polyester, Bird Eye Knit, 4.5oz Yellow S-6XL





## **RT23** Hi-Vis T-Shirt

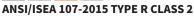












EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- · 100% polyester moisture wicking fabric
- 50 UPF rated
- · Taped neck seam for extra comfort
- · Generous fit
- Crew Neck



100% Polyester, Bird Eye Knit, 4.5oz Orange XS-5XL



Constructed for Maximum Breathability

#### **S190**

#### Hi-Vis Pocket T-Shirt

## TEXPEL

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- · 2" silver heat seal reflective tape
- · 100% polyester moisture wicking fabric
- · Pocket: 1 left chest
- 50 UPF rated
- Taped neck seam for extra comfort
- · Crew neck



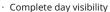
100% Polyester, Bird Eye Knit, 4.5oz Yellow, Orange S-5XL





## **S578**

#### Non ANSI Pocket Short Sleeve T-Shirt



- 100% polyester moisture wicking fabric
- Pocket: 1 left chest
- 50 UPF rated
- · Taped neck seam for extra comfort
- · Crew neck
- · Generous fit



100% Polyester, Bird Eye Knit, 4.5oz Yellow, Orange M-5XL



**Visibility** 



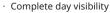






#### **S579**

## **Non ANSI Pocket** Long Sleeve T-Shirt



- 100% polyester moisture wicking fabric
- Pocket: 1 left chest
- 50 UPF rated
- Taped neck seam for extra comfort
- Crew neck
- · Generous fit



100% Polyester, Bird Eye Knit, 4.5oz Yellow, Orange M-5XL













## ANSI/ISEA 107-2015 TYPE R CLASS 3

- · 2" silver reflective tape
- · 100% polyester moisture wicking fabric
- Mesh panels at underarms and upper back for excellent breathability
- Pocket: 1 left chest
- 50 UPF rated
- Taped neck seam for extra comfort
- Crew neck



100% Polyester, Bird Eye Knit, 4.5oz 100% Polyester Mesh, 3.5oz Yellow S-6XL







#### ANSI/ISEA 107-2015 TYPE R CLASS 3

- · 2" silver reflective tape
- · 100% polyester moisture wicking fabric
- · Pocket: 1 left chest
- · 50 UPF rated
- · Taped neck seam for extra comfort
- · Crew neck



100% Polyester, Bird Eye Knit, 4.5oz Yellow S-6XL





## **Cotton Comfort Long Sleeved T-shirt**

#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISÓ 20471 CLASS 3

- · 2" silver reflective tape
- · Cotton rich lightweight and breathable fabric
- · 35 UPF rated
- · Taped neck seam for extra comfort
- · Generous fit



55% Cotton, 45% Polyester, Knit, 5oz Yellow, Orange S-3XL









## Hi-Vis Long Sleeve Pocket T-Shirt

#### ANSI/ISEA 107-2015 TYPE R CLASS 3



- 100% polyester moisture wicking fabric
- · Pocket: 1 left chest

EN ISO 20471 CLASS 3

50 UPF rated

**S191** 

- Taped neck seam for extra comfort
- · Crew neck



100% Polyester, Bird Eye Knit, 4.5oz Yellow, Orange S-6XL







## ANSI/ISEA 107-2015 TYPE R CLASS 2

- · 2" silver HiVisTex Pro reflective tape with contrast material
- 100% polyester moisture wicking fabric
- · Pocket: 1 left chest
- · 50 UPF rated
- 2 mic tabs



2" silver HiVisTex Pro reflective tape with contrast



- · 100% polyester moisture wicking fabric
- · Pocket: 1 left chest
- · 2 mic tabs



100% Polyester, Bird Eye Knit, 4.5oz Black S-6XL





ANSI/ISEA 107-2015 TYPE R CLASS 2 EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- 100% polyester moisture wicking fabric
- 50 UPF rated
- Taped neck seam for extra comfort
- · Crew neck
- · Generous fit

100% Polyester, Bird Eye Knit, 4.5oz Yellow/Navy, Yellow/Black S-6XL

#### ANSI/ISEA 107-2015 TYPE R CLASS 3

- 2" silver heat seal reflective tape
- 100% polyester moisture wicking fabric
- Pocket: 1 left chest
- Taped neck seam for extra comfort
- Contrast panels for protection against dirt
- · Crew neck
- · Generous fit



100% Polyester, Bird Eye Knit, 4.5oz Yellow/Black S-6XL











#### ANSI/ISEA 107-2015 TYPE R CLASS 3

EN ISO 20471 CLASS 3

- 2" silver reflective tape
- · 100% polyester moisture wicking fabric 50 UPF rated
- · Taped neck seam for extra comfort
- · Knitted cuffs for great fit Generous fit

100% Polyester, Bird Eye Knit, 5oz Yellow S-6XL, Orange S-4XL











#### ANSI/ISEA 107-2015 TYPE O CLASS 1

EN ISO 20471 CLASS 1

- 2" silver reflective tape
- · 100% polyester moisture wicking fabric 50 UPF rated
- · Contrast panel for protection against dirt
- Taped neck seam for extra comfort Generous fit



100% Polyester, Bird Eye Knit, 5oz Yellow/Navy, Yellow/Black S-4XL





### **Hi-Vis Short Sleeved Polo**

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- · 100% polyester moisture wicking fabric
- 50 UPF rated
- · Taped neck seam for extra comfort
- Generous fit



100% Polyester, Bird Eye Knit, 5oz Orange S-5XL















#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- · 100% polyester moisture wicking fabric · 50 UPF rated

**S477** 

- · Taped neck seam for extra comfort
- Generous fit



100% Polyester, Bird Eye Knit, 5oz





# **PORTWEST**

The Portwest LED High Visibility collection uses innovative integrated LED's to offer enhanced visibility. The bright fluorescent fabric combined with HiVisTex retro reflective tape and LED lights offer the highest level of visible protection in low light conditions.



#### **Brightness**



#### Run time

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 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



#### **L470**

#### Vega LED Vest



#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- 2" silver reflective tape
- Extremely lightweight cooling fabric Hook and loop closure
- Built in LED lights for maximum visibility
- Generous fit for wearer comfort Brightness: 25 lumens
- Run time: 80 hours
- Batteries: AA x 2 (not included) Functions: High / Fast flash / Slow flash
- Visible up to: 500 meters



100% Polyester Warp Knit, 3.5oz Yellow S/M-2/3XL



Back







#### L476

# **Orion LED Executive Vest**



#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- 2" silver reflective tape
  Extremely lightweight cooling fabric
  Pockets: 1 cell phone, 1 pen, 2 front patch with top and side entry
- Built in LED lights for maximum visibility
- Dual ID Holder
- Mic tabs
- D-ring
- Zipper closure
- Generous fit for wearer comfort
- Brightness: 25 lumens
- Run time: 80 hours
- Batteries: AA x 2 (not included)
- Functions: High / Fast flash / Slow flash
- Visible up to: 500 meters



100% Polyester Warp Knit, 3.5oz Yellow M-3XL



Back







# HIGH VISIBILITY VESTS

#### **Fabric Information**

The Vestport range incorporates three fabric combinations including 100% Polyester full mesh, solid warp knit and half mesh/half solid. The fabrics are durable, comfortable, highly breathable and certified to the latest ANSI/ISEA 107 standard.





**FULL MESH VEST** 

#### **US382** Kobuk Breakaway Vest

#### ANSI/ISEA 107-2015 TYPE R CLASS 3

- · 2" silver reflective tape with contrast material
- · Cooling mesh fabric
- Pockets in solid polyester: 1 right chest patch, 1 two tiered chest with pen division, 2 large internal patch
- · 5 point breakaway, side and shoulder seams, center front
- · 2 mic tabs



100% Polyester Mesh, 3oz 100% Polyester, Warp Knit, 3.5oz Yellow S-6XL



# **US387** Public Safety Vest

#### ANSI/ISEA 107-2015 TYPE P CLASS 2

- · 2" silver reflective tape with contrast material
- Cooling mesh fabric
- · Pockets: 2 internal lower patch, 1 radio
- · Dual ID holder
- · 5 point breakaway, side and shoulder seams, center front
- · 2 mic tabs



100% Polyester Mesh, 3oz Yellow/Blue, Yellow/Red M/XL-2XL/4XL



Back





## **US385**

## **Expandable Mesh Break-Away Vest**



#### ANSI/ISEA 107-2015 TYPE R CLASS 2

- 2" silver reflective tape with contrast material
- · Cooling mesh fabric
- · Pockets: 1 internal left two-tiered chest with pen division, 2 internal lower patch
- · Zipper closure
- 4 point breakaway, side and shoulder seams
- Adjustable hook and loop straps at sides
- · 2 mic tabs



100% Polyester Mesh, 3oz Yellow S-6XL





**MESH GARMENT** 

# **Extremely** Breathable, Ideal for Hot Climates

#### **US383**

#### **Augusta Sleeved Hi-Vis Vest**

#### ANSI/ISEA 107-2015 TYPE R CLASS 3

- · 2" silver reflective tape with contrast material
- · Cooling mesh fabric
- · Pockets in solid polyester: 1 right chest patch, 1 two-tiered chest with pen division, 2 large internal patch
- · Zipper closure



100% Polyester Mesh, 3oz Yellow S-7XL, Orange M-5XL





#### **PANTS**



# **US386** Mesh Overpants

#### ANSI/ISEA 107-2015 CLASS E

- · 2" silver reflective tape with contrast material
- · Cooling mesh fabric
- · Pockets: 2 rear
- · 2 side pass through pockets
- · Elasticated ankle with hook and loop closure
- · Drawstring elasticated waistband



100% Polyester Mesh, 3oz Yellow S/M-4XL/5XL







#### ANSI/ISEA 107-2015 CLASS E



Cooling mesh fabric

Pockets: 2 side patch, 2 rear patch

2 side pass through pockets

- Contrast panel for protection against dirt
- Elasticated ankle with hook and loop closure Drawstring elasticated waistband



100% Polyester Mesh, 3oz 100% Polyester, Warp Knit, 3.5oz Yellow/Black S/M-4XL/5XL







#### **FULL MESH VEST**



### **US370** Atlanta Hi-Vis Vest

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

- · 2" silver reflective tape
- · Cooling mesh fabric
- · Pockets: 2 chest patch, 2 lower hip, 2 internal lower patch
- 2 mic tabs
- · Zipper closure



100% Polyester Mesh, 3oz Yellow, Orange M-5XL





# **US380** Tampa Mesh Vest

#### ANSI/ISEA 107-2015 TYPE R CLASS 2





- · 2" silver reflective tape
- · Cooling mesh fabric
- Pockets in solid polyester: 1 right chest patch, 1 two-tiered chest with pen division, 2 large internal patch
- Zipper closure



100% Polyester Mesh, 3oz Yellow XS-7XL, Orange M-5XL







#### ANSI/ISEA 107-2015 TYPE R CLASS 2

- · 2" silver reflective tape with contrast material
- · Cooling mesh fabric
- Pockets in solid polyester: 1 right chest patch, 1 two-tiered chest with pen division, 2 large internal patch
- Zipper closure



100% Polyester Mesh, 3oz Yellow S-5XL, Orange M-5XL

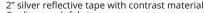


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#### ANSI/ISEA 107-2015 TYPE R CLASS 2





- · Pockets: 2 chest pockets, 2 lower hip, 2 internal lower patch
- · Zipper closure



100% Polyester Mesh, 3oz Yellow S-5XL, Orange M-3XL







#### **FULL MESH VEST**

#### **UC492**

## **Economy Mesh Vest**

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

- · 2" silver reflective tape
- · Cooling mesh fabric
- · Pockets: 2 lower internal patch
- · Hook and loop closure
- · Dual sizing

100% Polyester Mesh, 3oz Yellow S/M-4XL/5XL













# **US384**

# **Economy Mesh Break-Away Vest**

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

- · 2" silver reflective tape
- Cooling mesh fabric
- Pockets: 1 internal left two-tiered chest with pen division, 1 internal right lower patch
- · 5 Point breakaway side, shoulder and front closure
- · Hook and loop closure

100% Polyester Mesh, 3oz

Yellow S-5XL







#### **US390**

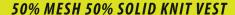
#### **Economy Non ANSI Mesh Vest**

- · 1" silver reflective tape
- · Cooling mesh fabric
- · Hook and loop closure
- Side elastic for improved comfort and fit



100% Polyester Mesh, 3oz Yellow One Size













**Upper Torso** 





#### **UC496 Madrid Executive Mesh Vest**

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 1

- 2" silver reflective tape
- Cooling mesh upper torso
- Pockets: 1 cell phone, 1 pen, 2 front patch with top and side
- Dual ID Holder
- Mic tab
- D-ring
- Zipper closure

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100% Polyester, Warp Knit, 3.5oz 100% Polyester Mesh, 3oz

Yellow M-3XL

#### UC494 Hi-Vis Mesh Vest

#### ANSI/ISEA 107-2015 TYPE R CLASS 2



- Cooling mesh upper torso
- · Dual ID holder
- · Hook and loop closure



100% Polyester Warp Knit, 3.5oz 100% Polyester Mesh, 3oz Yellow, Orange S/M-4XL/5XL











Aurora Sleeved Hi-Vis Vest

# **US372** Jackson Contrast Hi-Vis Vest

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

- · 2" silver reflective tape with contrast material
- Cooling mesh back, lightweight solid polyester front
- Pockets: 1 cell phone, 1 two-tiered chest with pen division, 2 lower hip, 2 internal lower patch
- 2 mic tabs
- · Zipper closure

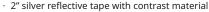


100% Polyester Warp Knit, 3.5oz 100% Polyester Mesh, 3oz Yellow, Orange M-3XL





#### ANSI/ISEA 107-2015 TYPE R CLASS 3



- Cooling mesh back, lightweight solid polyester front
   Pockets: 1 cell phone, 1 two-tiered chest with pen division, 2 lower hip, 2 internal lower patch
- 2 mic tabs
- · Zipper closure



100% Polyester Warp Knit, 3.5oz 100% Polyester Mesh, 3oz Yellow, Orange M-5XL













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#### **Berlin Executive Vest**

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- · Pockets: 1 cell phone, 1 pen, 2 front patch with top and side entry
- · Dual ID holder
- · Mic tab
- · D-ring
- · Zipper closure



100% Polyester, Warp Knit, 3.5oz Yellow S-7XL, Orange S-5XL











# **UC476** Warsaw Executive Vest

#### ANSI/ISEA 107-2015 TYPE O CLASS 1

EN ISO 20471 CLASS 1



- · Extremely lightweight cooling fabric
- Pockets: 1 cell phone, 1 pen, 2 front patch with top and side entry
- · Dual ID Holder
- Mic tab
- · D-ring
- · Zipper closure



100% Polyester, Warp Knit, 3.5oz Yellow/Black S-5XL









C472 Hi-Vis One Band & Brace Vest



### **Hi-Vis Two Band & Brace Vest**

#### ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISÓ 20471 CLASS 2

- · 2" silver reflective tape
- · Extremely lightweight cooling fabric
- · Hook and loop closure



100% Polyester, Warp Knit, 3.5oz Yellow, Orange S/M-6XL/7XL







# ANSI/ISEA 107-2015 TYPE R CLASS 2

EN ISO 20471 CLASS 2

- · 2" silver reflective tape
- · Extremely lightweight cooling fabric
- · Hook and loop closure



100% Polyester, Warp Knit, 3.5oz Yellow S/M-4XL/5XL, Orange S/M-XXL/3XL











The Iona Vest-Port range combines practical design and colors with reflective taping to give extra visibility in low light conditions. Lightweight, comfortable and highly breathable, these vests can be worn over layers to ensure visibility without adding bulk.

#### **IONA VEST**



#### **UF476** Iona Executive Vest

- · 2" silver reflective tape
- Extremely lightweight cooling fabric
- Pockets: 1 cell phone, 1 pen, 2 front patch with top and side entry
- Dual ID holder
- · Mic tab
- D-ring
- · Zipper closure



100% Polyester, Warp Knit, 3.5oz Black, Royal Blue S-3XL Navy S-6XL





#### F474

#### **Iona Vest**

- · 2" silver reflective tape
- · Extremely lightweight cooling fabric
- · Hook and loop closure for easy access



100% Polyester, Warp Knit, 3.5oz Navy, Black, Bottle Green, Royal Blue S/M-2XL/3XL





# **US391**

#### Iona Xtra Mesh Vest

- 2" silver reflective tape with contrast material
- Cooling mesh fabric
- Pockets in solid polyester: 1 right patch pocket, 1 two-tiered chest with pen division, 2 large internal patch
- 2 mic tabs
- Zipper closure



100% Polyester Mesh, 3oz Black M-6XL













# HIGH VISIBILITY **ACCESSORIES**

Portwest's range of high visibility accessories have been designed to complement our extensive range of high visibility clothing and PPE, to enhance visibility and offer additional protection to the

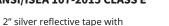




#### **US389**

#### Hi Vis Two Tone **Gaiters**

#### **ANSI/ISEA 107-2015 CLASS E**



- contrast material
- Cooling mesh fabric
- Contrast panel for protection
- against dirt
- Adjustable hook and loop straps



100% Polyester Mesh, 3oz 100% Polyester, Warp Knit, 3.5oz Yellow/Black One Size



# HV55 Hi-Vis Strap

- 1" silver reflective tape
- Solid polyester fabric
- Hook and loop closure
- Adjustable sizing



100% Polyester, PVC Coated, 5.5oz Yellow One Size



#### **HB11**

#### Reflective Baseball Cap

- · 100% polyester reflective fabric 6 Panels with reinforced stitching
- Adjustable hook and loop strap at the back
- Vent holes on the crown for additional breathability



100% Polyester, 8.5oz Silver, One size



#### **HA15**

#### Hi Vis Ranger Hat

#### ANSI/ISEA 107: 2015 COMPLIANT

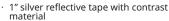
- 1" silver reflective tape with contrast material
- Cooling mesh fabric
- · Adjustable drawcord for improved fit
- · Reflective detail at brim

100% Polyester Oxford 300D, 6oz, 100% Polyester Mesh, 4.5oz



#### **Hi Vis Neck Shade**

#### ANSI/ISEA 107: 2015 COMPLIANT



- Cooling mesh fabric
- · Elasticated band for easy fitting



100% Polyester Mesh, 3oz 100% Polyester, Warp Knit, 3.5oz Yellow One Size





# Reduce Heat Stress and **Keep Cool**

This innovative range offers a comprehensive selection of products to help minimize 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.



**EVAPORATION** 

FROM GARMENT





**EFFECT FROM** 

**EVAPORATION** 



The garment will remain hydrated for several hours. To reactivate repeat steps 1, 2 and 3





# **CV03 Cooling Crown** with Neck Shade 144 12



- Wicking, cooling and drying capabilities
- Soak in water to activate
- Keeps wearer cool for up to 8 hours
- Lightweight for greater comfort and flexibility
- Neck shade for added protection against UV rays



100% Polyester, 3oz Orange/Blue One size

# CV01 Cooling Vest

- 2" silver reflective tape
- Wicking, cooling and drying capabilities
- Soak in water to activate
- Keeps wearer cool for up to 8 hours
- Lightweight for greater comfort and flexibility
- Side hook and loop for size adjustment
- 50+ UPF rated fabric to block 98% of UV rays



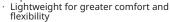
100% Polyester Mesh, 2oz 100% Polyester Mesh, 2oz Bamboo Yarn with PVA Padding, 9oz **Gray One size** 





# CV04 Cooling **Head Band**

Wicking, cooling and drying capabilities



- Keeps wearer cool for up to 8 hours
- Soak in water to activate
- Neck shade for added protection against UV rays

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100% Polyester, Bird Eye Knit, 5oz Blue One Size



# 4 USA Industry Leading Rainwear Fabrics



The **Sealtex**® 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.



This is a PU coated fabric on a 6oz polyester tricot knit. Sealtex Classic fabric is consistently rated among the highest performing waterproof fabrics in the industry.

Constructed using a 9oz blend of 95% PVC, 5% PU on a polyester tricot knit backing. Sealtex Ocean is proven to be highly waterproof in the most challenging of wet conditions.



Technical and innovative, the **Technik™** rainwear range is engineered for maximum waterproof, windproof and breathable performance. The sophistication of Technik provides a 100% waterproof garment of unequaled strength, at the same time retaining exceptional suppleness.



The Ripstop Range is constructed using a highly innovative 100% Polyester, PVC coated Ripstop fabric. The Polyester fabric combined with the Ripstop pattern provides an extremely strong yarn which is highly durable and tear resistant. The tough outer shell guarantees outstanding waterproof protection at all times.



When functionality, added visibility and waterproof protection is required, look no further than the Iona™ Lite Range. These garments are certified to the highest waterproof standard and have sealed seams to ensure total protection against the rain.

#### **Fabric Information**

Sealtex Classic is a high technology, PU coated fabric, on a flexible, highly resistant 100% Polyester tricot knit, 6oz. Sealtex Classic fabric is tested regularly to ensure it meets and exceeds waterproof standards. Independent test houses carry out hydrolysis and hydrostatic testing. Sealtex Classic consistently achieves top results in these tests.



# **US450**

#### **Sealtex Classic Jacket**















EN 343 CLASS 3:1

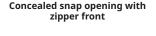
- · Flexible, durable and waterproof jacket with welded seams
- · Storm flap with concealed zipper and snap closure
- · Pockets: 2 front
- · Pack away adjustable hood
- · Snap adjustable cuff
- Vented back yoke and eyelets
- · Generous fit for wearer comfort



Sealtex Classic, 6oz Navy M-4XL Yellow M-3XL







Flexible, Highly Durable, WATERPROOF FABRIC







Fully elasticated waist band



Snap adjustable hems

# S451

### **Sealtex Classic Pants**











- · Flexible, durable and waterproof pants with welded seams
- · Fully elasticated waistband
- Snap adjustable hems for a secure fit
- · Generous fit for wearer comfort



Sealtex Classic, 6oz Navy M-4XL Yellow M-3XL





High Technology, Flexible PU Fabric



**S453** 

## **Sealtex Classic Bib**









- · Flexible, durable and waterproof bib with welded seams
- · Adjustable straps with buckle closure
- · Snap adjustable hems for a secure fit
- · Back elastic for ease of movement



Sealtex Classic, 6oz Navy M-XXL





#### **Fabric Information**

Constructed using 95% PVC, 5% PU, 9oz. 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.



# **S250**

#### **Sealtex Ocean Jacket**















- · Highly water resistant and flexible fabric with welded seams
- · Stormflap with heavy duty plastic zip and full strip of hook and loop fastening
- · Hood with peak and drawstrings
- · Snap adjustable cuff
- · Inner elasticated cuff
- Generous fit for wearer comfort



Sealtex Ocean, 9oz Yellow S-XXL



## **S251**

#### **Sealtex Ocean Pants**











- · Highly water resistant and flexible fabric with welded seams
- Fully elasticated waistband
- Snap adjustable hems for a secure fit
- Generous fit for wearer comfort



Sealtex Ocean, 9oz Yellow S-XXL





# PORTWEST® Classic Rainwear

#### **Garment Benefits**

Designed to be worn in foul weather conditions, the Classic rainwear range is not only practical and durable, it offers exceptional value for money. Clever styling and sealed seams quarantee maximum comfort and protection.

Longer coat length 47"

# S438 Classic Adult Rain Coat



- · Waterproof coat with sealed seams
- · Pockets: 2 front
- · Pack away adjustable hood
- · Inner elasticated cuffs to prevent water entry
- · Vented back yoke and eyelets
- · Longer length 47" gives added coverage
- · Generous fit for wearer comfort



100% Polyester, PVC Coated, 6oz Navy S-4XL Yellow S-3XL









**US440** 

### **Classic Rain Jacket**













- · Waterproof jacket with sealed seams
- · Pockets: 2 front
- · Pack away adjustable hood
- · Inner elasticated cuffs to prevent water entry
- · Vented back yoke and eyelets
- · Generous fit for wearer comfort

100% Polyester, PVC Coated, 6oz Navy, Black S-6XL, Olive Green S-5XL Yellow S-6XL, Orange S-5XL







# **PORTWEST**® **Classic Rainwear**

#### **Garment Benefits**

Designed to be worn in foul weather conditions. the Classic rainwear range is not only practical and durable, it offers exceptional value for money. Clever styling and sealed seams guarantee maximum comfort and protection.



S441

### **Classic Adult Rain Pants**













- · Waterproof pants with sealed seams
- · Fully elasticated waistband
- · 2 side pass through pockets
- Snap adjustable hem maintaining a secure fit
- · Generous fit for wearer comfort



100% Polyester, PVC Coated, 6oz Navy, Black S-6XL, Olive Green S-3XL Yellow S-6XL, Orange S-3XL

# **Industry Leading Rainwear Ranges**







MASSIVE USA STOCK



#### **US430** Perth Stormbeater Jacket



















EN 343 CLASS 3:1

- · Waterproof jacket with sealed seams
- · Quilt lined interior with corduroy collar
- · Pockets: 4 front, 1 cell phone, 2 inner · Print access for garment customization
- · Pack away adjustable hood
- · Generous fit for wearer comfort



[YYYYY]

100% Polyester, PVC Coated, 6oz **Body: 100% Cotton Tartan, 4oz** Sleeves: 100% Polyester, 2oz Body: 100% Polyester Filling 6oz





















EN 343 CLASS 3:1

- · Durable and waterproof jacket with sealed seams
- · Reflective piping to chest and sleeves
- · Snap plus hook and loop storm flap
- · Pockets: 5 front, 1 cell phone, 1 pen pocket, 1 inner
- · Pack away adjustable hood
- · Print access for garment customization
- Adjustable hook and loop cuffs
- · Fleece lined collar and chin guard for better comfort
- · Draw cord adjustment at hem



100% Polyester, Ripstop, PVC Coated, 7.5oz 100% Polyester, 1.5oz 100% Polyester, 5oz Black/Gray S-3XL, Navy/Royal S-XXL



The PORTWEST PWR™ collection is constructed from state-of-the-art high performance waterproof and breathable textiles. Using innovative technology, the base fabric has been engineered to provide a technical barrier against the elements. This provides the maximum waterproof, breathable and windproof protection, which far exceed the current highest requirements.

PWR is a trademark of Portwest.

Superior WATERPROOF Technology

15,000g/m<sup>2</sup> /24hrs

**BREATHABILITY** 

10,000mm

WATERPROOF







BREATHABLE INNER FABRIC OR LINING





# S555 Outcoach Jacket



#### EN 343 CLASS 3:3

- · Abrasion resistant Oxford polyester
- · Waterproof and breathable to the highest levels with sealed seams
- Stormflap with front zipper opening
- · Pockets: 3 front, 1 inner
- · Water resistant zippers
- · Packaway hood with peak and drawstrings
- · Drawcord adjustable hem



100% Polyester, PU coated, 5.5oz Body Lining: 100% Polyester Mesh, 2oz Sleeve:100% Polyester, 190T Taffeta, 2oz

Black S-3XL



#### **Garment Benefits**

When functionality, added visibility and waterproof protection is required, look no further than the Iona $^{\text{\tiny{M}}}$  Lite Range. These garments are certified to the highest waterproof standard and have sealed seams to ensure total protection against the rain.



**Waterproof Protection** and Increased Visibility **Combined** 

**S481** 

#### **Iona Lite Pants**





- · Durable and waterproof pants with
- sealed seams
- · Reflective tape for visibility
- · 2 side pass through pockets
- · Fully elasticated waist · Snap adjustable hem
- · Generous fit for wearer comfort



100% Polyester, 300D Oxford Weave with a stain resistant finish, PU Coated, 5.5oz **Navy S-XXL** 





# **US433** Iona Lite Jacket



EN 343 CLASS 3:1 EN 342 0.503M<sup>2</sup>. K/W (B), X, 3, 2

- · Durable and waterproof jacket with sealed seams
- · Quilt lined for added insulation
- · Reflective tape for visibility
- Pockets: 2 front, 1 cell phone, 1 pen pocket, 1 inner
- · Drawcord hood and hem for comfort and snug fit
- · Storm flap fastened with snaps
- Print access for garment customization
- · Fleece lined collar and knitted cuff to trap the heat
- · Generous fit for wearer comfort



100% Polyester, 2oz 100% Polyester, 5oz Navy S-3XL, Black M-3XL







#### WATERPROOF

Inner membrane forms a barrier against rain droplets and withstands penetration by water.



#### **BREATHABLE**

Scientifically developed to wick moisture away from the body and allow it pass through the outer fabric, keeping the wearer more comfortable.



#### WINDPROOF

Offers total windproofness: helps protect the body from the chilling effects of wind.

# **A Best** Seller **All Year** Round



# Softshell Jacket (3L)











- · Breathable, windproof and water resistant softshell jacket
- Micro polar fleece lined and bonded with shell
- Waterproof zippers
- Pockets: 3 front, 1 cell phone, 2 inner
- Half elasticated cuffs with hook and loop adjustments
- Generous fit for wearer comfort



94% Polyester, 6% Elastane, 4.5oz laminated with 100% Polyester Micro Polar Fleece, 4.5oz. Total weight: 9oz



Navy S-XXL, Black S-5XL





# **US530** Arbroath Breathable Fleece Lined Jacket



- Waterproof, breathable and windproof jacket with sealed seams
- · Polar fleece lining for warmth and comfort
- Pockets: 2 front, 1 cell phone
- Double storm flap and pack-away hood
- Print access for garment customization
- Draw cord adjustable waist and hem

100% Polyester Micro-fiber, Peach Finish, Breathable, PU Coated, 4oz

Body: 100% Polyester Fleece, 8.5oz Sleeves: 100% Polyester, 2oz

Sleeves: 100% Polyester Filling, 2.5oz Navy S-XXL

























- · 3-in-1 waterproof, breathable and windproof jacket with sealed
- · Detachable internal fleece jacket for warmth and comfort
- · Pockets: 4 front, 1 cell phone
- · Inner fleece pockets: 2 front
- · Pack away storm hood with peak
- · Print access for garment customization
- · Hook and loop adjustable cuffs
- · Chin guard for added comfort

£ 100% Nylon Ottoman, Breathable, PU Coated, 5oz Shoulder/Sleeve: 100% Nylon Ottoman, Breathable, PU Coated, 4.5oz

Inner Garment: 100% Polyester Fleece, 7.5oz <u>~~~~~</u> Upper Body: 100% Polyester Mesh, 2oz Lower Body/Sleeve: 100% Polyester, 2oz

Gray/Black S-4XL

**Detachable Fleece Liner** 

Can be worn as a separate garment or can interact with the outer jacket for extra insulation.









3-in-1 Style Offers complete protection from the elements



#### **Detachable Fleece Liner**

Can be worn as a separate garment or can interact with the outer jacket for extra insulation.

# **US570**

### Aviemore 3 in 1 Mens Jacket

















- · 3-in-1 waterproof and windproof jacket
- · Detachable internal fleece jacket for warmth and comfort
- · Pockets: 2 front, 1 cell phone
- · Inner fleece pockets: 2 front
- · Pack away storm hood with peak
- · Print access for garment customization
- · Hook and loop adjustable cuffs



100% Polyester, Peach PVC Coated, 7oz Inner Garment: 100% Polyester Fleece 7.5oz



100% Polyester, 2oz Navy S-XĹ





### **US538**

# **Moray Bomber Jacket**















- · Highly water resistant jacket
- · Pockets: 2 front, 1 cell phone
- · Print access for garment customization
- · Elasticated cuff with hook and loop adjustable strap
- · Generous fit for wearer comfort

£

100% Polyester Micro-fiber, Peach Finish, PU Coated, 4oz Body: 100% Polyester Fleece, 8oz Sleeves: 100% Polyester, 2oz Sleeve: 100% Polyester Filling, 3oz Navy S-4XL, Black M-3XL

minimi X









# **Ideal for CORPORATE BRANDING**

### **US533**

### **Falkirk Bomber Jacket**













EN 343 CLASS 3:1

- · Highly water resistant jacket
- Quilt lined for added insulation
- · Pockets: 2 front, 1 cell phone
- · Print access for garment customization
- Elasticated cuffs and waist
- Mic tab
- · Generous fit for wearer comfort



100% Polyester, PVC Coated, 7oz 100% Polyester, 2oz 100% Polyester, 3oz Navy S-4XL, Black S-XL







# **US414**

# **Shetland Vest**







- · Cold and wind protection polycotton vest
- · Brushed cotton tartan with heavy weight wadding
- · Mic tab
- Elasticated armholes
  Pockets: 4 front, 1 cell phone, 1 pen
- · Generous fit for wearer comfort

IIIIIIII X

65% Polyester, 35% Cotton, 5.5oz 100% Cotton Tartan, 4oz 100% Polyester, 6oz Navy M-4XL, Black M-3XL







# **Classic Vest**







- · Water resistant vest
- · Quilt lined vest for added comfort
- Drawcord adjustable hem
- Pockets: 2 front, 1 cell phone, 1 pen
- · Generous fit for wearer comfort



100% Polyester, PVC Coated, 5oz 100% Polyester, 2oz 100% Polyester, 6oz Navy M-3XL, Black M-L







#### **RS Reversible Vest**









- · Water resistant ripstop reversible
- · Drawcord adjustable hem
- Contrast silver zippers
- · Pockets: 4 front, 1 cell phone
- · Generous fit for wearer comfort



100% Polyester, Ripstop, PVC Coated, 7.5oz 100% Polyester, Anti-Pill finish Fleece, 7.5oz Navy, Gray M-XXL











# UF205

#### **Aran Fleece**









- · Middle weight polar fleece with anti-pill
- · Pockets: 2 front
- · Elasticated cuffs
- · Drawcord adjustable hem
- · Generous fit for wearer comfort

£

100% Polyester, Anti-Pill finish

Fleece, 8oz

Navy S-4XL, Black M-3XL





# UF400

# **Argyll Heavy Fleece**









- · Heavy weight polar fleece with anti-pill finish · Pockets: 2 front
- · Elasticated cuffs
- · Drawcord adjustable hem
- · Generous fit for wearer comfort

£

100% Polyester, Anti-Pill finish Fleece,

Navy S-6XL, Black S-4XL





# **UF401** City Fleece







- · Double sided, two tone, heavy weight polar fleece
- · Pockets: 3 front, 1 cell phone
- Elasticated cuffs
- Contrast silver zippers
- · Generous fit for wearer comfort

£

100% Polyester Double Sided Bonded Fleece, Anti-Pill Finish, 12oz

Navy M-XXL, Black M-XXL

**Heavyweight Double-Sided** 





#### **Fabric Information**

Constructed from 100% Breathable Polyester, Oxford weave, with a Stain Resistant finish, 4.5oz. The fabric is lined with 100% Polyester with a thermal interlining, 9oz for extra warmth and comfort.

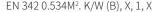
**Protection in EXTREMELY COLD Environments** 





# CS10 ColdStore Jacket





- · Abrasion resistant Oxford polyester
- · Quilt lined for thermal insulation
- Reflective tape for visibility
- · Stormflap with hook and loop and zipper fastening
- · Packaway hood
- · Pockets: 3 front, 1 ID pocket, 2 inner
- · Drawcord adjustable waist

£  $\gamma\gamma\gamma\gamma\gamma$ 

100% Breathable Polyester, Oxford Weave, Stain-Resistant Finish, 4.5oz 100% Polyester, 2oz 100% Polyester, 9oz Navy S-6XL















# **CS11** ColdStore Pants



#### EN 342 0.534M2. K/W (B), X, 1, X

- · Abrasion resistant Oxford polyester
- · Quilt lined for thermal insulation
- Reflective tape for visibility
- Stormflap with hook and loop and zip fastening
- Pockets: 2 side, 2 knee pad 2 inner
- Elasticated back waist
- Zipped ankles





100% Breathable Polyester, Oxford Weave, Stain-Resistant Finish, 4.5oz 100% Polyester, 2oz 100% Polyester, 9oz Navy S-6XL















## **B013** Insulated Knit Cap Insulatex Lined

- Acrylic knitted work beanie hat
- · Insulated with Insulatex lining



100% Acrylic, Knit, **Insulatex Lining, 1oz** Navy, Black One Size Orange, Yellow One Size



Insulatex is a trademark of Portwest.



B029 Beanie LED Head Light USB Rechargeable

- Warm and comfortable acrylic beanie
- Rechargeable LED can be charged in a USB Port



infinimi X

100% Acrylic, Knit Black, Yellow, One Size



Fleece Balaclava



- Light and thin design
- Can be worn under hard hat
- Soft and stretchable fabric for optimum fit and comfort

**\*\*\*\*\*\*\*** 

100% Polyester, Anti-Pill finish Fleece,

5.5oz шиш х

Navy, Black One Size





#### HA10 Fleece Hat Insulatex Lined



- Soft and stretchable polar fleece fabric
- Inner soft Insulatex lining offers warmth and comfort
- Can be worn under a helmet

£

100% Polyester, Anti-Pill finish Fleece, 8oz

**Insulatex Lining, 1oz** Yellow, One Size



# **B023**



#### **Reflective Trim Knit Hat** Insulatex Lined



- · Acrylic knitted beanie hat
- · Insulated with Insulatex lining
- Windproof and extremely comfortable for
- Reflective trim for visibility



100% Acrylic. Knit **Insulatex Lining, 1oz** Black, Navy One Size Orange, Yellow One Size



#### **Knit Glove Insulatex Lined**

- Outer acrylic knit fabric
- Inner soft Insulatex lining offers warmth and comfort



100% Acrylic, Knit Insulatex Lining,1oz Black, One Size



#### **Touchscreen Knit Glove**

- This style glove gives great dexterity for the
- Outer acrylic knit with metallic component allowing precise movement on touchscreen devices



100% Acrylic, Knit Black S/M, L/XL and XXL/3XL



#### Neck Tube

- Soft, durable and breathable fabric
- · Adjustable drawcord and toggle

£ ШШХ

100% Polyester, Anti-Pill finish Fleece, 8oz



**Navy One Size** 





# 3 USA Industry Leading Workwear Fabrics



Kingsmill™ is 65% polyester 35% cotton and is available in four weights: 4.5oz, 6oz, 7oz and 7.5oz. This fabric guarantees high performance and maximum comfort. The yarns are 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 over 98% of UV rays. Kingsmill Plus is available in 4.5oz and 7.5oz. It has the added benefit of a durable press finish and is industrially launderable.



Fortis™ fabric is 65% polyester 35% cotton and is available in 6oz weight. This blend offers durability, protection and excellent wearer comfort. The UPF rating of 50+ blocks over 98% of UV rays. Fortis has been constructed to a high specification and is the practical choice for all your workwear needs.



Portwest 100% cotton fabric is available in two weights: 5.5oz and 9oz. This fabric is fully pre-shrunk and has excellent dye retention properties. The long staple fibers used in the construction process provide strength, pilling resistance and a quality finish. This fabric has a UPF rating of 50+ so it will block over 98% of the UV rays which fall on the garment.

NOTE: KINGSMILL and FORTIS are trademarks of Portwest.

INDUSTRIAL SHIRT

#### HARD WEARING EASY CARE FABRIC



**S124** 

#### **Industrial Work Shirt**

- · Bartack pencil stall on left pocket
- · Industrial wash, durable press with Texpel finish

Kingsmill Plus, 4.5oz Navy S-5XL Reg Gray M-5XL Reg











- · 2" yellow/silver/yellow reflective tape
- · Bartack pencil stall on left pocket
- · Industrial wash, durable press with Texpel finish



Kingsmill Plus, 4.5oz Navy, M-5XL



















**Industrial Work Shirt** 

Kingsmill Plus, 4.5oz Navy S-5XL Reg

Gray M-5XL Reg

- · Bartack pencil stall on left pocket
- · Adjustable button closure cuffs
- · Industrial wash, durable press with Texpel finish













# Iona Xtra Shirt (Long Sleeve)

- · 2" yellow/silver/yellow reflective tape
- · Bartack pencil stall on left pocket
- · Adjustable button closure cuffs
- · Industrial wash, durable press with Texpel finish



Kingsmill Plus, 4.5oz Navy, M-5XL







104







4.50z











# 2886 **Industrial Work Pants**





7.50z



- · Pockets: 2 Side, 2 rear (left with button closure)
- · Interlined waistband and pocketing
- · Industrial wash, durable press with Texpel
- · Available in Regular and Tall fit



Kingsmill Plus, 7.5oz Navy 28"-52" Reg, 32"-46" Tall Gray 30"-52" Reg, 32"-42" Tall



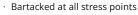


# C701 **Cargo Pants**









- Pockets: 2 front, 2 leg, 2 rear with hook and loop fastening tabs
- Side leg cargo pockets for extra storage
- · Available in Regular and Tall fit



Kingsmill, 7oz Dark Navy 30"-52" Reg, 30"-48" Tall Black 30"-48" Reg, 30"-48" Tall

7oz





**S790** 



11" Cargo Shorts



60Z

- Double stitched robust seams
- Bartacked at all stress points
- · Pockets: 2 side, 2 leg, 2 rear
- · Handy waistband D-ring

Kingsmill, 6oz Dark Navy XS-3XL



# **Durable Workwear for Demanding Conditions**



**C720** 

#### **Tradesman Holster Pants**







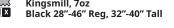




- · Bartacked at all stress points
- · Pockets: 2 front, 2 holster, 1 leg, 2 rear with 1 hammer loop, 2 knee
- · Side leg cargo pocket for extra storage
- · Reflective piping for increased visibility
- · Available in Regular and Tall fit



Kingsmill, 7oz





Kingsmill, 7oz Navy 72"-116" Reg, 76"-116" Tall

· Pockets: 2 front, 1 leg with cell phone, 1 rear with button

· 1 side leg pocket with various compartments for extra





**Bradford Pants** 

· Bartacked at all stress points

· Available in Regular and Tall fit

closure, 2 knee

storage



### **Iona Polycotton Coverall**















- Pockets: 2 zipped chest, 2 side pass through, 1 ruler, 1 sleeve pen, 2 rear with one zipper closure and 2 knee
- · Action back for comfort
- · Snap adjustable cuffs
- · 2 Mic tabs
- · 2" silver reflective tape



Kingsmill, 7oz Navy S-4XL Reg



### **Liverpool Zipper Coverall**











- · Front snap closure with 2 way zipper
- Pockets: 2 zipped chest, 2 side pass through, 1 cell phone, 1 ruler, 1 sleeve pen and 1 rear
- · Action back for comfort
- · Mic tab
- · Available in Regular or Tall fit



Kingsmill, 7oz Navy S-6XL Reg, M-3XL Tall, Royal S-XXL Reg Red, Black, Graphite Gray S-3XL Reg













## **FORTIS**

### TOP QUALITY, Easy Care Fabric

### **S999**

## Euro Work Polycotton Coverall



- · Front snap closure
- · Pockets: 2 chest, 1 rear, 1 ruler
- · 2 side pass though pockets
- · Elasticated back waist
- · Available in Regular or Tall fit



Fortis, 6oz Navy XS-6XL Reg, S-3XL Tall, Royal S-3XL Reg, Red S-XXL, Bottle Green S-XXL Reg





## USA BEST SELLER



MASSIVE USA STOCK





### **Bolton Painters Bib**

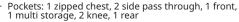












- · Elasticated shoulder straps
- · Designed with a comfort fit



100% Cotton, 3111, Pre-Shrunk, 9oz White XS-4XL



### **Painters Pants**















- · Half elasticated waist
- · Designed with a comfort fit
- · Available in Regular or Tall fit



100% Cotton, 3111, Pre-Shrunk, 9oz White S-3XL Reg, S-3XL Tall





### **Shower** Resistant **FABRIC**

### UPJ10

### **Pilot Jacket**











- · Jacket can be worn four ways
- · Pockets: 2 side, 1 sleeve, 1 cell phone, 2 zipped chest
- Zip out textured pile collar
- · Zip out sleeves
- · Knitted cuffs and hem trim

60% Cotton, 40% Polyester, Shower-Proof Finish, 7oz 100% Polyester, 1.5oz 100% Polyester, 13oz Navy S-5XL, Black S-3XL



**Engineered FOR ENDURANCE** 





### UKS32

### **Pewter Jacket**











- · Textured Polyester and Cotton Fleece 8.5oz
- · Pile inner face 9oz
- · Front full zipper
- · Lightly insulated sleeves
- · Pockets: 2 front pouch, 1 sleeve, 1 internal
- · Print access for garment customization

65% Polyester, 35% Cotton, 8oz Sleeve Lining: 100% Polyester

MAAAA

Main Body: 100% Polyester Sherpa Pile, 9oz Sleeve Filling: 100% Polyester

Wadding, 1oz Black M-XXL







## 28 Footwear Styles



Introducing the new range of premium safety footwear from Portwest featuring the finest materials and components for the ultimate in safety, performance, comfort and stability. Footwear designed for workers in the oil and gas industries, construction and utilities.



Complete range of styles made of polymeric materials. Durable and waterproof construction that is highly resistant to fuels, oils, grease and fats.

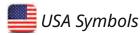


A premium range of safety footwear manufactured using the finest materials and components. Steelite® footwear contains protective steel toecaps and/or steel midsoles. The steel components provide outstanding protection from high impacts and compression.



A premium range of safety footwear which is lightweight and flexible. Portwest Compositelite™ footwear contains non-metallic protective toecaps and/or non-metallic protective midsoles.

STEELITE IS A REGISTERED TRADEMARK OF PORTWEST. PORTWEST COMPOSITELITE IS A TRADEMARK OF PORTWEST





Protective steel toecap - impact (I), compression (C)



Protective non-metallic toecap - impact (I), compression (C)



Puncture resistant steel midsole (PR)



Puncture resistant nonmetallic midsole (PR)



Waterproof membrane



Anti-static



**Waterproof** 



Water resistant upper



rater resistant appe



Energy absorbing heel



Slip resistant outsole (SRC)



Oil resistant outsole



**Dual density sole unit** 



Wide fitting



Metatarsal protection (Mt)



Heat resistant outsole



Static dissipative footwear (SD)



100% non-metallic



**Cold insulation** 



Full grain leather





Electric hazard protection (EH)

### Footwear Size Chart

UK Mens Size	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	12	13	14	15	16	17
US Mens Size	2	3	4	5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18
UK Ladies Size	1	2	3	4	5		6	6.5	7		8		9										
US Ladies Style	3	4	5	6	7		8	8.5	9		10		11										
Euro Size	34	35	36	37	38	38.5	39	40	41	41.5	42	42.5	43	43.5	44	45	46	47	48	49	50	51	52

## Innovation, quality components, styling and expert construction define the Portwest footwear collections.

The toecap protects the wearer's toes against the 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.

Safety footwear can be recognized by the following standards:













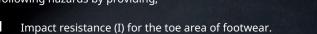




### **ASTM F2413-11**

Standard specification for performance requirements for protective (safety) toecap footwear.

The specification contains performance requirements for footwear to protect workers feet from the following hazards by providing;



- **C** 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 build up; and reduce the possibility of ignition of explosives and volatile chemicals.
- **EH** Electric hazard protection (EH), to protect the wearer when accidental contact is made by stepping on live electric wires.
- **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) for footwear devices.





### EN ISO 20345:2011

This international standard specifies basic and additional (optional) requirements for safety footwear used for general purposes. It includes, for example, mechanical risks, slip resistance, thermal risks, ergonomic behavior.

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.
<i>S</i> 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.
<i>S2</i>	As S1 standard plus water penetration and water absorption resistance.
<i>S3</i>	As S2 standard plus cleated outsole and penetration resistance.
<i>S4</i>	200 joule toecap protection. All rubber or all polymeric footwear with antistatic properties. Resistance to fuel oil, energy absorption of seat region and closed seat region.
<b>S5</b>	As S4 standard plus cleated outsole and penetration resistance.



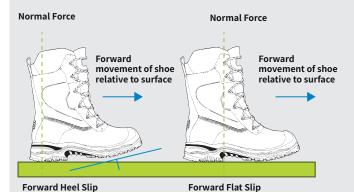
Requirement		Symbols				
	Penetration resistance	P				
Whole Footwear	Electrical properties: Antistatic footwear	A				
	Resistance to inimical environments: Cold insulation of sole complex					
	Energy absorption of seat region	E				
	Water resistant	WR				
	Metatarsal protection	M				
Upper	Water penetration and absorption	WRU				
$\sim$	Resistance to hot contact	HRO				
Outsole	Resistance to fuel oil	FO				

### **EN ISO 13287:2012**

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 snaps 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.



### EN ISO 13287:2012

Marking Code	Test Surface	Coefficient of Friction (EN 13287)				
		Forward Heel Slip	Forward Flat Slip			
SRA	Ceramic tile with SLS*	≥ 0.28	≥ 0.32			
SRB	Steel floor with Glycerol	≥ 0.13	≥ 0.18			
SRC	Ceramic tile with SLS* & Steel floor with Glycerol	≥ 0.28 ≥ 0.13	≥ 0.32 ≥ 0.18			

<sup>\*</sup> Water with 5% Sodium Lauryl Sulphate (SLS) solution

## **Compositelite**

# USA SAFETY FOOTWEAR THAT ALWAYS PERFORMS





## AVAILABLE IN HALF SIZES

## **Compositelite**





# Steelite THE BEST COMPONENTS AND MATERIALS

**USED** 





# IF YOUR FEET HAD THE CHOICE





## Portwest PRO





### FD10

### **Clyde Safety Boot**



### **ASTM F2413-11**

EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Wide fitting
- · Protective TPU scuff cap
- · Dual density sole unit
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole

Black, US 6-14

**Full-Grain Leather** PU/Rubber - Outsole F47

### **WIDE FITTING EE**



### FD15

### **Eden Safety Boot**

















EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Wide fitting
- · Quick release zip
- · Dual density sole unit
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Cold insulation



Black, US 6-14

**Full-Grain Leather** PU/Rubber - Outsole F47

**WIDE FITTING EE** 





### FW16

### **Steelite Welted Safety Boot**















EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Welt construction
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Padded collar for added comfort



Black, US 7-14 **Split Leather** Rubber

**Outsole F07** 



### **WELT CONSTRUCTED OUTSOLE**



### FW17

### **Steelite Welted Safety Boot**















### **ASTM F2413-11**

EN ISO 20345:2011

- · Protective steel toecap
- · Full grain Nubuck leather
- · Welt construction
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole





**Full Grain Nubuck Leather** Rubber



**Outsole F07** 

Honey, US 7-14



**WELT CONSTRUCTED OUTSOLE** 

## **Compositelite**





### FC64

### Portwest Compositelite Trekker Shoe



### **ASTM**

### ASTM F2413-11

EN ISO 20345:2011

- · Protective composite toecap
- · Direct injected dual density construction
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant outsole
- · Removable EVA cushion footbed
- $\cdot\,$  3D breathable mesh lining
- · 100% Metal free



Black, US 4-14



**Cow Suede Leather** 



PU/PU Outsole F12

### Suitable for AIRPORT SECURITY CHECKS





## Portwest Compositelite Safety Boot





### ASTM F2413-11

EN ISO 20345:2011

- · Protective composite toecap
- · Direct injected dual density construction
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant PU outsole
- Removable EVA cushion footbed
- · 100% Metal free



Black, US 4-14



Split Leather



PU/PU Outsole F21



### **ASTM F2413-11**

EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- $\cdot\;$  Black mesh air cushion insole
- · Cement construction
- · Dual density sole unit
- · Slip, fuel and oil resistant rubber outsole



Black/Green, US 6-13

**KPU/ Mesh** 

EVA/Rubber Outsole F53









### FW69

### **Steelite Mustang Boot**



### **ASTM F2413-11**

EN ISO 20345:2011

- Protective steel toecap
- Puncture resistant steel midsole
- Direct injected dual density construction
- Lightweight PU cushioned midsole
- Slip, fuel and oil resistant TPU outsole
- 360 degree rubber external chassis system Removable EVA cushion footbed

**Outsole F12** 



Black, Brown US 6-14 **Crazy Horse Leather** PU/TPU





### **Steelite All Weather Boot**



### **ASTM F2413-11**

EN ISO 20345:2011

- Protective steel toecap
- · Puncture resistant steel midsole
- Direct injected dual density construction
- Lightweight PU cushioned midsole Slip, fuel and oil resistant TPU outsole
- Waterproof membrane · Removable EVA cushion footbed



Black, US 6-14 **Cow Nubuck Leather** PU/TPU



**Outsole F12** 







### FW33

### **Steelite Arx Safety Trainer**















**ASTM F2413-11** EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Cement construction
- · Lightweight EVA cushioned midsole
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Removable EVA cushion footbed



Black, US 4-14



**Split Leather** 

EVA/Rubber **Outsole F15** 







### **FW34**

### **Steelite Lusum Safety Trainer**























### **ASTM F2413-11**

EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Cement construction
- · Lightweight EVA cushioned midsole
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Removable EVA cushion footbed



Black, US 4-14

**Cow Suede Leather** 



EVA/Rubber Outsole F15



## Steelite





### FW39

### **Steelite Ladies Safety Trainer**



### **ASTM F2413-11**

EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Cement construction
- · Lightweight EVA cushioned midsole
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Removable EVA cushion footbed



Black/Blue, Black/Pink US 5-11



**Split Leather** EVA/Rubber

**Outsole F15** 



### FW31

### **Steelite Mid Cut Nubuck Boot**















### **ASTM**

### **ASTM F2413-11** EN ISO 20345:2011

- · Protective steel toecap
- · Full grain Nubuck leather
- · Cement construction
- · Lightweight EVA cushioned midsole
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Removable EVA cushion footbed
- · High wicking breathable mesh lining



Honey, US 6-14



**Full-Grain Nubuck Leather** 



Phylon/Rubber **Outsole F08** 





### **FW64**

### **Steelite Trekker Shoe**



### **ASTM F2413-11**

EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Direct injected dual density construction
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant PU outsole
- · Removable EVA cushion footbed
- · 3D breathable mesh lining



Black, US 4-14



**Cow Suede Leather** 



PU/PU **Outsole F12** 

### **BREATHABLE, STRONG** AND FLEXIBLE DESIGN







### **Steelite Trekker Boot**



### **ASTIM**

### **ASTM F2413-11**

EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Direct injected dual density construction
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant PU outsole
- · Removable EVA cushion footbed
- · 3D breathable mesh lining



Black. US 4-14



**Cow Suede Leather** 



PU/PU **Outsole F12** 



## Steelite





### FW10

### **Steelite Protector Boot**





**ASTM F2413-11** EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Direct injected dual density construction
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant outsole
- · Removable EVA cushion footbed



Black, US 3-18 Split Leather

PU/PU Outsole F03









### **Steelite Protector Shoe**



ASTM

### **ASTM F2413-11** EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Direct injected dual density construction
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant PU outsole
- · Removable EVA cushion footbed



Black, US 3-18 Split Leather

PU/PU

Outsole F03

SIZE

3-1





### **FW22**

### Steelite Metatarsal Boot













### ASTM F2413-11

EN ISO 20345:2011

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Dual density sole unit
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Metatarsal impact protection



Black, US 6-13 **Split Leather** PU/Rubber **Outsole F42** 







Steelite



### **Portwest Compositelite Welders Boot**





















### **ASTM F2413-11** EN ISO 20345:2011

· Protective composite toecap

- · Puncture resistant composite midsole
- · Direct injected dual density construction
- Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant rubber outsole
- · Heat resistant outsole
- · Ergonomic quick release buckle



Black, US 6-14 **Split Leather** PU/Rubber

**Outsole F01** 











- EN ISO 20345:2011
- Protective steel toecap Puncture resistant steel midsole
- Direct injected dual density construction
- · Lightweight PU cushioned midsole
- · Slip, fuel and oil resistant PU outsole
- · Cold insulating fur lining
- · Removable EVA cushion footbed



Black, US 5-14 Split Leather

PU/TPU Outsole F12



### Portwest. WORK



### **Neptune Rigger Boot**





**ASTM F2413-11** EN ISO 20345:2011 EN 13832-2:2006

- · Protective steel toecap
- · Puncture resistant steel midsole
- · Chemical resistant
- · Waterproof
- · Energy absorbing heel
- · Slip, fuel and oil resistant PVC/Nitrile outsole
- · Cold insulation



Black, Tan US 4-14 PVC/Nitrile



PVC/Nitrile Outsole F06





## **PORTWEST**®

# USA Hand Protection Range

A newly expanded range of hand protection styles that caters for all work and safety needs. Only the best materials and manufacturing methods are used in the production of this extensive and highly specialized range.



Option 2.

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.

### **Knitting Gauge**

This symbol denotes the knitting gauge of the glove liner











Heavy

Fine

### Glove & Hand Size Chart as per Standard EN420

Hand Size	6	7	8	9	10	11	12	13
Palm Circumferences (mm)	6"	7"	8"	9"	10"	11"	12"	13"
Hand Length (inches)	6-61/2	61/2-7	7-71/2	71/2	8	81/2	9	91/2
Minimal Glove Length (inches)	81/2	9	91/2	9½-10	10-101/2-	10½-11	11½-12	121/2
Glove Size	XS/6	S/7	M/8	L/9	XL/10	XXL/11	3XL/12	4XL/13
Portwest Cuff Color Code								

**Product** 

**EN Standards** 

that style

GRIP NITRILE

2016

4.1.3.1.X

CE CATII

ANSI

CUT

RN 142543

M L XL 2XL 3XL 4XL

## **Know your Gloves**

### HAND PROTECTION IS CRITICAL - FIND THE RIGHT GLOVE FOR THE JOB

Below we have compiled a guide to help you find and identify the right hand protection 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.

GENERAL GLOVE INDUSTRIAL USE:							
DISPOSABLE GLOVES	FABRIC GLOVES	LEATHER GLOVES	CHEMICAL RESISTANCE GLOVES				
Made from rubber, synthetic rubber or PVC. Typically used in Food manufacture, engineering, medical and pharmaceutical industries.	Constructed using cotton or fabric material, used to insulate the hands from heat or cold. Used for enhanced grip and handling slippery objects	Leather is a traditional material used to protect against injuries from rough abrasive surfaces. Ideal for use in welding applications	Made from rubber, synthetic rubber or PVC. These gloves protect hands from corrosives, oils, and solvents				
***************************************		Parists Vision III					
		GLOVI	I INFR MATERIAI				

G	GLOVES LINER TYPE						
KNITTED	Highly breathable, close fitting with good dexterity						
SEAMLESS	Avoids hand irritations due to no seams, increase 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. Compound used enhances the mechanical performance, different compounds are used for different conditions						

				GLOVE LIN	NER MATERIAL			
COTTON	POLYESTER	NYLON	ACRYLIC	PARA- ARAMID	НРРЕ	GLASS FIBER	LEATHER: SMOOTH GRAIN	LEATHER: SPLIT GRAIN
Comfort/ Breathability	Durability	Stretch / Elasticity	Insulation	Cut Resistance / Heat Resistance	High performance Cut Resistance, Comfort, Abrasion Resistance	Cut Resistance	Durable, supple, oil & water repellent	Abrasion Resistance, Durable. Dry grip

		IMPACT PAD	S MATERIAL				
NITRILE	NEOPRENE	NITRILE FOAM	PU	LATEX	PVC	TPR	TPV
Excellent resistance to snag, cut, puncture and abrasion. Dry grip	Dry, wet and oil grip	Oil and wet grip	Good abrasion resistance. Dry grip	Dry and wet grip	Good abrasion resistance. Dry, wet and oily grip	Impact Protection	Impact Protection

				CUFF STYLE				
UNSUPPORTED GLOVES	BEADED	STRAIGHT	PINKED	SUPPORTED GLOVES	GAUNTLET	KNITWRIST	SAFETY CUFF	SLIP ON CUFF
Molds are dipped directly into a compound material, giving the wearer maximum dexterity. There are two options, unlined or flock-lined with cotton or rayon polyester for improved comfort	Optimize liquid protection with increased cuff strength	Additional length which protects forearm from liquid runoff	Traditional style, improved edge grip for ease of donning and glove removal	A liner is dipped into a compound material. This absorbent liner holds provides improved comfort during wear and adds strength and durability to the glove	Additional length which protects forearm (4" plus)	Securely fits gloves in place and prevent dirt entering the glove	Provides additional wrist protection (2.5" in length)	Easy donning, economical design
		1935 13 1935 13 1935 14 1937 1	CONTROL OF THE PARTY OF THE PAR	The state of the s	100 A C C C C C C C C C C C C C C C C C C		PORTWEST  TO 12 JAC 1	



### **USA Hand Protection Standards Explained**

### **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
А3	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 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 of 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 D3884-05 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 500 g load) :	Abrasion cycles to fail		
0	<100		
1	≥ 100		
2	≥ 500		
3	≥ 1,000		
Level (tested at 1000 g load)			
4	≥ 3,000		
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  $\mu g/cm2$  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	≥ 30
<u>2</u> 3	≥ 60
4	≥ 120
5	≥ 240
6	≥ 480

### 5.4 Heat and Flame Protection 5.4.1 Ignition Resistance and Burning Behavior (or After-Flame 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 behavior 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 classification 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

### **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		

### **European Hand Protection Standards**



### **PROTECTIVE GLOVES: GENERAL REQUIREMENTS**

EN 420: 2003 + A1 2009

This standard defines the general requirements for glove design and construction, innocuousness, cleaning instructions, electrostatic properties, sizing, dexterity, water vapor transmission and absorption along with marking and information.

### PROTECTIVE GLOVES AGAINST MECHANICAL RISKS

### EN 388 - 2016

EN388:2003 Standards specifies physical and mechanical aggression caused by abrasion, blade cut, tearing and puncture. EN388:2016 updates the existing standard with this new test method for abrasion, blade cut & impact resistance. EN ISO 13997:1999 (TDM test) records cut results as a Newton value - the force of the blade on the glove material needed to cut through the material 20mm. The results are represented on a scale A-F.

EN388 Revised Coup Cut Test



EN388:2016

Max 60 Cut cycles



EN388:2003

Unlimited Cut cycles

### 1 3 1 2 E P REQUIREMENTS

Performance level P
IMPACT RESISTANCE
Impact-resistant properties to 5J

2016 ONLY

2016

ONLY

**STRAIGHT BLADE CUT RESISTANCE:** (TDM cut test) Measures the average load to achieve the moment of cut-though

PERFORMANCE LEVELS 1-4
d: PUNCTURE RESISTANCE:

Performance levels A - F

Force required to pierce the sample with a standardized punch.

Performance Levels 1-4

c: TEAR RESISTANCE:

Maximum force required to tear the sample.

Performance Levels 1-5

b: BLADE CUT RESISTANCE: (Coup cut test)

Number of cycles required to damage the sample at constant speed.

Performance Levels 1-4

### a: ABRASION RESISTANCE:

Number of cycles required to damage the sample at constant speed.

TEST	Level 1	Level 2	Level 3	Level 4	Level 5
Abrasion resistance(num- ber of cycles)	100	500	2,000	8,000	-
Blade cut resistance (index) Coup test method	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

### EN374



### Protective Gloves : Against Chemicals And Micro-Organisms

### ΔΚΙ

### EN 374-1: 2003

This European standard specifies the requirements for gloves to protect the user against chemicals and/or micro-organisms and defines terms to be used.

### EN 374-2:2003

This European Standard specifies a test method for the penetration resistance of gloves that protect against chemicals and/or microorganisms.

### EN 374-3: 2003

This European Standard specifies the determination of the resistance of protective glove materials to permeation by potentially hazardous non-gaseous chemicals under the condition of continuous contact.

### **EN374**



Gloves must prove that they are an effective barrier against liquids and micro-organisms.

Performance levels are according to Acceptable Quality Levels (AQL) whereby samples are taken from a batch of gloves and tested during production for pinholes and leaks by either inflation with air or by filling with water.

Gloves must meet at least level 2, to be considered microorganism resistant.

(Level 1 = AQL 4.0) (Level 2 = AQL 1.5) (Level 3 = AQL 0.65)

### EN374

The "Low Chemical Resistant" or "Waterproof" glove pictogram is to be used for those gloves that do not achieve a breakthrough time of at least 30 minutes against at least three chemicals from the defined list, but which comply with the penetration test.

Code	Chemical	Class
Α	Methanol	Primary alcohol
В	Acetone	Ketone
С	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

Passage time measured (min)	Performance index to permeation
> 10	1
> 30	2
> 60	3
> 120	4
> 240	5
> 480	6

### Protective Gloves: Mechanical Vibration And Shock



EN 10819: 1996

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.

### **EN407**

### **Protective Gloves Against Thermal Risks** (Heat and/or Fire)



EN 407: 2004

This standard specifies thermal performance for protective gloves against heat and/or fire. The heat and flame pictogram is accompanied by a 6 digit number.

### 1 3 1 2 1 2

### **REQUIREMENTS**

PERFORMANCE LEVELS 1-4 f: RESISTANCE TO A LARGE MELTING METAL SPRAY: Amount of spray required to raise the glove to a certain temperature.

PERFORMANCE LEVELS 1-4 e: RESISTANCE TO SMALL MELTING METAL SPRAY: Amount of spray required to raise the glove to a certain temperature.

PERFORMANCE LEVELS 1-4 d: RESISTANCE TO RADIATING HEAT: Time required to raise a given temperature level.

PERFORMANCE LEVELS 1-4 c: RESISTANCE TO CONVECTIVE HEAT: Time during which the glove is able to delay the transfer of heat of a flame.

PERFORMANCE LEVELS 1-4 b: RESISTANCE TO CONTACT HEAT:

Temperature (within the range of 100°C to 500°C) at which the person wearing the gloves will not feel any pain (for a period of at least 15 seconds).

PERFORMANCE LEVELS 1-4 a: RESISTANCE TO FLAMMABILITY:

Time during which the material remains lit and continues to be consumed after the ignition source has been eliminated.

### **B: RESISTANCE TO CONTACT HEAT:**

PERFORMANCE LEVEL	CONTACT TEMPERATURE (°C)	THRESHOLD TIME (Second)
1	100°C	≥15s
2	250°C	≥15s
3	350°C	≥15s
4	500°C	≥15s

### EN12477



### **Protective Gloves For Welders**

EN 12477: 2001

This European Standard specifies requirements and test methods for protective gloves for use in manual metal welding, cutting and allied processes. According to their performance, protective gloves for welders are classified into two types.

Type A: Lower dexterity (with higher other performance) Type B: Higher dexterity (with lower other performance).



### **Protective Clothing: Electrostatic Properties**

### EN 1149-1:2006

This European Standard specifies a test method for materials intended to be used in the manufacturing of electrostatic dissipative protective clothing (or gloves) to avoid incendiary discharge. This test method is not applicable for materials to be used in the manufacturing of protective clothing or gloves against mains voltages.

### EN 1149:2008

This is the harmonized European standard for protective clothingprotection against the danger caused by static electricity. This standard is not applicable for protection against mains voltages.



**ESD - (Electrostatic Discharge)**ESD gloves are used to divert static electricity. Surface resistivity is tested according to method specified in EN1149-1 but test sample must meet the requirements of EN1149-5.



### **Protective Gloves Against Cold**

### EN 511:2006

The European Standard 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.

### **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



### **CE Food Safe**

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. color, smell, texture and taste) of the food. Products intended for food contact shall be labeled as such.



Hand injury is one of the most common and frequent complaints in the workplace. This range of gloves provides vital protection against impact to the hand from multiple hazards.





A721

### **Anti Impact Grip Glove - Nitrile**









**ANSI/ISEA 105** 

EN 420, EN 388: 2016

- Maximum impact protection using TPR pod technology
- · Reinforced thumb crotch and padded palms
- · Hook and loop strap for safe secure fit
- · Nitrile sandy coating for exceptional grip in water, grease or oil contact
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner

TPR. Polvester. Nitrile Yellow/Orange S-3XL





2.1.4.2.X.





A722

### **Anti Impact Cut Resistant Glove** NEW A729 Anti Impact Cut Resistant Therm Glove





EN 420, EN 388, EN 388 2016, EN 511 (A729)



· Maximum impact protection using TPR

‡THERM

- pod technology
- ANSI cut level A4
- · Available in a lined (A729) and unlined (A722) version for all climates
- · Hook and loop strap for safe secure fit
- · Nitrile sandy coating for exceptional grip in water, grease or oil contact
- Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



TPR, Glass fiber, HPPE, Polyester, Nitrile A722: Gray S-3XL | A729: Gray S-3XL













(A729 Only)







- · Easy release and attach system
- · Gloves are kept safe and secure



**Acetal Copolymer** Black



A726

### **Aqua-Seal Pro Glove**









### **ANSI/ISEA 105**

EN 420, EN 388, EN 388: 2016, EN 511

- · 100% Waterproof membrane
- · Maximum impact protection using TPR pod technology
- · Insulatex lining for protection in cold conditions
- · Reflective trimmings for safe visibility
- PVC dotted palm for enhanced grip
- · Highly durable synthetic leather with elastane and neoprene

ШШШХ

Synthetic Leather, Elastane, Neoprene, Insulatex, PVC, TPR Orange/Blue L, XL









THERM

*>impact* THERM





A724 Safety Impact Glove Unlined

### 25 Safety Impact Glove Lined









### **ANSI/ISEA 105**

EN 420, EN 388, EN 511 (A725)

- · Maximum impact protection using TPR pod technology
- Available in a lined (A725) and unlined (A724) version for all climates
- Oil and water resistant
- PVC dotted palm for enhanced grip
- · Highly durable synthetic leather with elastane and neoprene

ШШШХ

Synthetic Leather, Elastane, Neoprene, PVC Yellow L, XL









### **>IMPACT**

### **HIGH PERFORMANCE GLOVES**



### A745

### **Big Bear**





### **ANSI/ISEA 105**

EN 420, EN 388 2016

- · The Big Bear glove is designed for action in the toughest environments
- Premium leather with a reinforced palm for ultimate durability
- TPR Exo-Skeleton provides excellent impact protection to the back of the hand
- Highly protective cut resistant liner for added security against cut hazards
- Wrist strap fastening ensures a secure and comfortable fit
- · High cut resistant liner

Full-Grain Cow Leather, TPR **Gray L-4XL** 







### Specially designed to reduce the effects of vibration



### A790

### **Anti Vibration Glove**





**ANSI/ISEA 105** 

EN 420 EN 388 EN 10819

Specially designed to reduce the effects of vibration

· For use with jack hammers, concrete breakers, etc.

Specially formulated rubber chloroprene

Anti-vibration pods on palm only

· 100% Breathable seamless liner

**\*\*\*\*\*\*\*** 

50% Cotton, 45% Nylon, 5% Rubber Chloroprene

III X Black M-XL



EN ISO 10819





### HIGH PERFORMANCE GLOVES

### A710

### Tradesman - High **Performance Glove**





CE ANSI

### **ANSI/ISEA 105**

EN 420, EN 388

- · Reinforcement stitching on palms and fingers
- · Built in sweat wipe
- · Additional knuckle padding for extra
- · Highly durable synthetic leather with elastane and neoprene

£

Synthetic Leather, Rubber, Elastane, Neoprene

Black M-XL



% MECHANIC





### A730

### Supergrip - High **Performance Glove**







### **ANSI/ISEA 105**

EN 420, EN 388

- · Designed for maximum grip performance
- · Extra grip silicon covered palm with reinforced thumb and breathable sidewalls
- · Low linting construction for minimal contamination
- · Hook and loop strap for safe secure fit
- · Designed for tasks that require reinforced abrasion resistance

Synthetic Leather, Silicone, Elastane

III III X

Black M-XL











### A740

### **Powertool Pro - High Performance Glove**









### **ANSI/ISEA 105** EN 420, EN 388

- · Thumb, middle and index finger tips left open for precision handling
- · Reinforcement stitching on palms and fingers
- · Reinforced padded palms
- · Highly durable synthetic leather with elastane and neoprene

Synthetic Leather, Rubber, Elastane, Neoprene

III III X

Black M-XL











### **PW NANO** 5000 Advanced Nano-Tech Protection

## Ground Breaking Protection



Nanotexture Technology Enables Liquid to Bounce Off the Surface, Deflecting Penetration

environments

keep hands dry and protected.

With the combination of a chemical and physical

approach, a specially formulated agent has been

developed to deliver an innovative range of gloves which

tasks.

anything ever seen before and is

revolutionary in the glove industry. In addition to the proprietary Nano

Technology the PW Nano 6000 range

allowing it to be used in a variety of

also offers superior abrasion resistance

## NANO

#### AP02

#### Thermo Pro Ultra









#### **ANSI/ISEA 105**

EN 420 EN 388 EN 388:2016

- EN 511 · Using innovative technology this glove
- repels water and heavy oils · Twin liner traps heat and allows breathability
- · Sandy palm finish gives improved grip

Nylon, Nitrile Sandy Orange/Black S-XXL

**EN388** 2003



4.2.4.2.X.









#### AP62

#### **Dermiflex Aqua Glove**









#### **ANSI**

#### **ANSI/ISEA 105**

EN 420 EN 388 EN 388:2016

- · Using innovative technology this glove repels water and heavy oils
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · 15 gauge liner for extra dexterity

Nylon, Elastane, Nitrile Foam Gray/Black S-XXL





4.1.2.1



**EN388** 







#### **EXCEPTIONAL CUT RESISTANCE**



#### A667

#### **Claymore AHR Cut Glove**





**ANSI/ISEA 105** EN 420, EN 388: 2016

- · Optimized innovative design
- Over 5000 grams of cut resistance achieving ANSI Cut A7
- Maximum cut resistance according to EN388:2016
- · Coating is double sandy nitrile for excellent durability and grip in wet and dry conditions
- Seamless 13 gauge liner for increased wearer comfort

£ HPPE, Steel Fiber, Glass fiber,

**Nitrile Sandy** 

Blue/Black M-XXL





# ARC FLASH PORTWEST

#### A780 **Arc Grip Glove**



**ASTM F2675-13** EN 420

EN 388: 2016 EN 407 EN 1149



₩ ARC FLASH



🖐 GRIP

· High level of protection against ARC flash burns, cuts and flames

**ANSI** 

- · 13-gauge, flame-resistant aramid liner, increases dexterity and hand movement
- Flame-resistant neoprene coated palm allows for excellent grip
- ARC flash level 2 (ATPV 9.5cal/cm2)
- · EN 388:2016 CUT LEVEL D, ANSI: Cut A4
- · Anti-static properties

шшшшх

Aramid, Neoprene Green/Black M-XXL













#### A145

#### **Cold Grip Glove - Latex**







**≉THERM** 🗳 GRIP

#### **ANSI/ISEA 105**

EN 420, EN 388, EN 511

- · Fully dipped thumb for increased coverage
- Specially designed for use in cold conditions
- Crinkle latex grip offers excellent grip
- Palm dipped to increase dexterity and ventilation
- Warm 7 gauge acrylic liner for extreme cold protection



Acrylic, Latex Orange/Blue M-XXL









#### A146

#### **Arctic Winter Glove - Nitrile Sandy**







#### **ANSI/ISEA 105**

EN 420, EN 388, EN 511



- Twin liner traps in heat through increased insulation
- Flexible sandy nitrile coating offers great grip in wet and dry conditions
- 3/4 dipped for increased protection
- 100% Breathable seamless liner



Nylon, Nitrile Sandy Black L-XXL Yellow/Black M-XXL





**滲THERM** # GRIP







#### A140

#### **Thermal Grip Glove**











EN 420, EN 388, EN 511

- Specially designed for use in cold conditions
- Crinkle latex grip offers excellent grip
- Palm dipped to increase dexterity and ventilation
- · Warm 10 gauge acrylic liner for cold protection



Acrylic, Latex Orange/Black M-XXL Yellow/Black M-XXL









#### The New Cut **Color System**

The newest addition to the Portwest Cut collection is the introduction of the new cut color system. This color coded system uses 3 colors to clearly identify the cut level of protection these three gloves can provide.



#### A641

#### **Red Cut - PU**





#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016

- · Red For minimal risk tasks
- · Smooth PU coating for increased abrasion resistance
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner

III III X

HDPE, Glass fiber, PU Red M-XXL











Amber - Cut Level 3







#### A643

#### Amber Cut - Nitrile Foam







#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016, CE FOOD SAFE



- Amber For moderate cut protection
- · Nitrile foam coating for excellent grip in wet and dry
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner

III III X

HDPE, Glass fiber, Nitrile Foam Amber M-XXL













The advantage of this system means that Health and Safety officers can determine if a worker is using the correct level of cut PPE for a particular job. They can conveniently do this from a distance just by identifying the color of the gloves worn. This color coded system is a great system that more and more work environments are now implementing and specifying when

purchasing

protection gloves.

cut



**MAXIMUM CUT PROTECTION** 

#### A645

#### **Green Cut - Nitrile Foam**









#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016, CE FOOD SAFE

**U GRIP** 

- · Green Maximum EN cut protection levels
- · Superb abrasion and tear resistance
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



HDPE, Glass fiber, Nitrile Foam Green M-XXL











HANDLE SHARP OBJECTS SAFELY

#### AP31

#### **Senti Cut Lite Glove**











#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016

- · Excellent for jobs requiring high dexterity
- · 18 gauge cut liner for extra dexterity
- Secure grip in dry and light oily handling environments
- · 100% Breathable seamless liner
- · Perfect for intricate tasks
- · Low linting construction for minimal contamination

IIIIIIII X

HDPE, PU **Gray S-XXL** 









#### A620

#### LR Cut PU Palm Glove









🖐 GRIP



- · ANSI cut level A2
- · Smooth PU coating for increased abrasion resistance
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner

ШШШХ

HPPE, Glass fiber, PU **Gray XS-XXL** 





















**Vending LR Cut PU Palm Glove** 

Gray M-XXL



#### MR Cut PU Palm Glove



















· ANSI cut level A3

- · Superb abrasion and tear resistance
- · Smooth PU coating for increased abrasion resistance
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



HPPE, Glass fiber, PU

EN388 2003





CUT HEAT

# GRIP













**Vending MR Cut PU Palm Glove** 



Gray M-XXL











#### A625

#### **Vis-Tex Cut Resistant Glove - PU**









N HEAT 🖐 GRIP

**ANSI/ISEA 105** 

EN 420, EN 388, EN 388:2016, EN 407

- ANSI Cut level A4
- High-visibility liner
- · Tested for both cut and heat protection
- · PU foam coating for excellent grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner

HPPE, Glass fiber, PU Orange/Black, Yellow/Black M-XXL





















#### AP52

#### **Dexti Cut Ultra Glove**









**ANSI/ISEA 105** 

EN 420, EN 388, EN 388:2016

- · ANSI cut level A3 for superior protection
- · Sandy finish for exceptional grip in water, grease or oil
- · Reinforced thumb crotch for extra protection and durability
- · Low linting construction for minimal contamination

прин

HPPE, Nitrile, Nitrile Sandy







Blue/Black S-XXL







**AP32** 

#### **Dexti Cut Pro Glove**











#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016

· Excellent for jobs requiring high dexterity

- · Protects against cuts and abrasion · Sandy finish for exceptional grip in water, grease or oil
- · Reinforced thumb crotch for extra protection and durability
- Ergonomic design to reduce hand fatigue

III III X

HPPE, Nitrile, **Nitrile Sandy** Black/Gray S-XXL













#### A665

#### **VHR Advanced Cut Glove**













EN 420 EN 388 EN 388:2016

- · ANSI cut level A6
- · Maximum EN cut protection levels
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · Seamless 13 gauge liner

HDPE, Glass fiber, Nitrile Foam **Gray M-XXL** 

> 2003 4.5.4.4.













#### A621

#### **Cut 3/4 Nitrile Foam Glove**











HEAT

#### **ANSI/ISEA 105**

EN 420 EN 388 EN 388:2016 EN 407



- · Superb abrasion and tear resistance
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · 3/4 dipped for increased protection
- · 100% Breathable seamless liner

ППППТ

HPPE, Glass fiber, Nitrile Foam

Black M-3XL









#### A688

#### **Pro Cut Liner Glove**













🖐 GRIP

EN 420, EN 388, EN 388:2016, EN 407 CE FOOD SAFE

- · ANSI cut level A4, for superior protection
- · Protection against high contact heat up to 212°F
- · 100% Breathable seamless liner
- · Low linting construction for minimal contamination



**HPPE** Hi Vis Yellow M-XXL











CŬT



#### Sabre - Lite Glove

















EN 420, EN 388, CE FOOD SAFE

- · ANSI cut level A5 for superior cut resistance
- · Ambidextrous and machine washable at 60C
- · Sold singly

mhilin X

HPPE, Steel Fiber, Polyester **Blue S-XL** 











A690

18 Inch (45cm) Cut Resistant Sleeve

#### A691

#### 22 Inch (56cm) Cut Resistant Sleeve





**ANSI** 



#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016, EN 407, CE FOOD SAFE

- · Superior cut resistance
- · Thumb hole for secure fit
- Sold singly









4.5.4.X.











**Glove** 

Length 12"

A691 22 Inch (56cm) Cut Resistant Sleeve



# HANDLE SHARP OBJECTS SAFELY







#### **GENERAL HANDLING - PU**

#### A120 PU Palm Glove







**ANSI/ISEA 105** 

EN 420 EN 388 EN 388: 2016

- · Perfect for intricate tasks
- · Maximum dexterity
- · Smooth PU coating for increased abrasion resistance
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



Pvlon, PU

WH - White XS-XXL

BK - Black XS-XXL, GR - Gray XS-XXL

01 - Orange XS-XL

Y2 - Yellow M-XL

B4 - Blue M-XL















GR )





ANSI/ISEA

**Millions of Pairs Sold to Date** 









#### **Vending PU Palm Glove**

|| X

**Gray XS-XL Black S-XL** 



























- · Maximum liquid protection
- · Smooth latex fully coated
- · Second latex foam palm dip to give superior grip
- · Elasticated wrist for a secure fit



Polyester, Latex, Latex Foam Blue M-XXL











#### **GENERAL HANDLING - LATEX**

A100 Grip Glove - Latex















EN 420, EN 388

- · Premium quality work glove
- · Ergonomic design to reduce hand fatigue
- Crinkle latex grip offers excellent grip
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



Polyester, Cotton, Latex GN - Yellow/Green M-XXL OR - Yellow/Orange M-XXL







#### A150 Fortis Grip Glove - Latex











EN 420, EN 388

- · Very competitive price
- · Environmentally friendly recycled yarns
- · Crinkle latex grip offers excellent grip
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



Polyester, Cotton, Latex OR - Yellow/Orange S-XXL











A340 Hi-Vis Grip Glove - Latex Foam













**ANSI/ISEA 105** 

EN 420, EN 388

- · Highest levels of comfort from foam technology
- Latex foam coating for excellent grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



Nylon, Latex Foam Yellow M-XXL









#### **GENERAL HANDLING - NITRILE**



#### A300

#### Nitrile Knitwrist









**ANSI/ISEA 105** EN 420, EN 388

- · Designed for applications that require additional abrasion
- · Prevents grease, oil and water penetration
- · Smooth heavy nitrile coating
- · Fully coated for maximum liquid protection
- · Jersey cotton lining with knitwrist



Cotton, Jersey Lining, Nitrile Navy M-XL









#### A301

#### **Nitrile Safety Cuff Glove**





#### **ANSI/ISEA 105**

EN 420, EN 388

- $\cdot\,$  Prevents grease, oil and water penetration
- · Canvas safety cuff for added protection
- · Smooth heavy nitrile coating
- · 3/4 dipped for increased protection
- · Open back for breathability

IIIIIIII X

Cotton, Nitrile Navy L, XL









#### A330

#### **Nitrile Light Knitwrist**







#### **ANSI/ISEA 105**

EN 420, EN 388

- · Lightweight abrasion resistant glove
- · Maximum dexterity
- · Smooth lightweight nitrile coating reduces hand fatigue
- · 3/4 dipped for increased protection
- · Open back for breathability



Cotton, Nitrile Yellow M-XXL







#### **GENERAL HANDLING - NITRILE, PVC**

#### A350

#### **DermiFlex Glove - PU/ Nitrile foam**









#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016

- · Maximum dexterity
- · Protects against oil in warm and humid conditions
- · PU/Nitrile blended foam coating for excellent grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



Nylon, Elastane, PU, Nitrile Foam Gray/Black M-XXL





🖐 GRIP





#### A351

#### DermiFlex Plus Glove - PU/ Nitrile foam









#### **ANSI/ISEA 105**

EN 420, EN 388 EN 388:2016

- · Maximum EN level 4 abrasion
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Dotted palm for enhanced grip
- · 15 gauge liner for extra dexterity
- · Lightweight and comfortable



Nylon, Elastane, PU, Nitrile Foam Gray/Black S-3XL





**GRIP** 









#### DermiFlex Ultra Glove - PU/ Nitrile foam











#### **ANSI/ISEA 105**

EN 420, EN 388 EN 388:2016

- · Maximum dexterity
- · Superb abrasion and tear resistance
- · PU/Nitrile blended foam coating for excellent grip in wet and dry conditions
- · 3/4 dipped for increased protection
- · Open back for breathability



Nylon, Elastane, PU, Nitrile Foam Gray/Black M-XXL











#### **GENERAL HANDLING - NITRILE**



#### A310

#### Flexo Grip Nitrile Glove







**ANSI/ISEA 105** EN 420, EN 388

- · Ideal for auto repair, construction and other sectors
- · Smooth nitrile coating for increased abrasion resistance Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner

Pylon, Nitrile White/Gray M-XXL









#### A315

#### **All-Flex Grip Glove - Nitrile**





#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016

- · Super lightweight glove
- · Ergonomic design to reduce hand fatigue
- · Smooth nitrile coating for increased abrasion resistance
- · Fully coated for maximum liquid protection
- · Elasticated wrist for a secure fit



Pvlon. Nitrile Black M-XXL







2.1.1.2. 3.1.2.1.X. ABRASION





#### A320

#### Dexti-Grip Glove - Nitrile Foam





#### **ANSI/ISEA 105**

EN 420, EN 388

- · Perfect for intricate tasks
- · No 1. Choice for general assembly work
- · Nitrile foam coating for excellent grip in wet and dry conditions
- Palm dipped to increase dexterity and ventilation
- · 100% Breathable seamless liner



Pylon, Nitrile Foam Black M-XXL







#### A810

#### Nitrosafe Chemical Gauntlet - Nitrile





EN 420, EN 388, EN 374-1

- · Chemical resistant gauntlet
- · Textured pattern for enhanced grip
- · Smooth nitrile for enhanced chemical protection
- · Fully coated for maximum liquid protection
- · Flock lined for added comfort



Nitrile, Cotton Green S-XXL, Length 320mm, Thickness 0.38mm



2.0.0.1.







CHEM AOUA

GRIP



**ESD - (Electrostatic Discharge) Antistatic Gloves** 

#### A198

#### **Antistatic PU Fingertip Glove**









4 ESD



EN 420, EN 388, EN 388:2016, EN 1149

- · Diverts static electricity
- · For use in electronics assembly, testing and precision work
- · Smooth PU coating for increased abrasion resistance
- · Fingertip dipped for precision handling and maximum ventilation
- · 13 gauge pylon and carbon fiber shell

ШШШХ

Pylon, Carbon Fiber, PU **Gray XXS-XXL** 











2.1.3.2. 1.1.4.X.X

### A199

#### **Antistatic PU Palm Glove**



















#### **ANSI/ISEA 105**

EN 420, EN 388, EN 388:2016, EN 1149

- · Diverts static electricity
- · For use in electronics assembly, testing and precision work
- · Smooth PU coating for increased abrasion resistance
- · Palm dipped to increase dexterity and ventilation
- · 13 gauge pylon and carbon fiber shell



Pylon, Carbon Fiber, PU **Gray XS-XXL** EN388





4.1.3.2. 3.1.2.1.X.







# ANSI/ISEA

**Specialist Hand Protection** 



#### **PVC PALM DOTS FOR SUPERIOR GRIP**



#### A110

#### **Polka Dot Glove**





#### **ANSI/ISEA 105** EN 420

EN 388

- · Performs well in dry conditions
- · PVC dotted palm for enhanced grip
- · Seamless 13 gauge liner
- · 100% Breathable seamless liner

Polvester, PVC Blue on White XS-XXL











#### A111

#### Fortis Polka Dot Glove







EN 420 CE CAT 1

- $\cdot\,$  PVC dotted palm for enhanced grip
- · Lightweight and comfortable
- · Performs well in dry conditions
- · Excellent for jobs requiring high dexterity

IIIIIIIII X

65% Polyester, 35% Cotton, PVC Blue on White S-XXL

**PVC Palm Dots** for Superior **Grip** 





**Best** 



<sup>84</sup> C € **ANSI** 

**ANSI/ISEA 105** 

EN 420 EN 388 EN 407

· Superior double palm rigger

- · Additional reinforced protection on palm and forefinger areas
- · For use in construction, landscaping, agriculture and forestry
- · Knuckle back protection
- · Cotton backing for breathability

**Cow Split Leather, Cotton** 

Chrome XL,3XL













#### **Canadian Rigger Glove**





**ANSI/ISEA 105** 

EN 420 EN 388

- · Patch palm and vein protection
- · Cow split leather rigger
- · Knuckle back protection
- · Cotton backing for breathability



**Cow Split Leather, Cotton Gray XL** 









**Luxurious, Soft and Warm Inner Fleece Lining** 

A225

#### **Fleece Lined Rigger Glove**









EN 388 EN 511

- · Classic leather driver
- · Specially designed for use in cold conditions
- · Superb abrasion and tear resistance
- · Fleece lined for added warmth



**Cow Split Leather, Insulatex** Red XL









NOTE: INSULATEX is a trademark of Portwest

PORTWEST



#### A220

#### **Premium Chrome Rigger** Glove









**ANSI/ISEA 105** 

EN 420 EN 388

- · Premium split leather rigger
- · Rubberized safety cuffs
- · Knuckle back protection
- · Cotton backing for breathability
- · For use in construction, mining and landscaping



Cow Split Leather, Polycotton Red/Gray XL









A245

#### **Antarctica Insulatex Glove**





EN 420, EN 388, EN 511

- **≉THERM** ® WORK
- · Premium quality cow grain leather · Knitwrist glove with Insulatex lining for enhanced warmth
- Suitable for coldstore applications



Cow Grain Leather, Cotton, Insulatex Tan L,XL









#### **Classic Driver Glove**





**ANSI/ISEA 105** 

EN 420, EN 388, EN 388: 2016

- · Classic leather driver
- · Premium full grain cow leather
- · Superb abrasion resistance
- · Breathable leather for use in mild and hot climates



**Cow Grain Leather** Tan L-XL









#### **Lined Driver Glove**











EN 420, EN 388, EN 511

- · Lined with Insulatex for cold conditions
- · Classic leather driver
- · Premium full grain cow leather
- · Breathable leather for use in mild and hot climates



Cow Grain Leather, Insulatex Tan L-XL

















#### A260

#### **Oves Driver Glove**





#### **ANSI/ISEA 105**

EN 420 EN 388

- · Classic leather driver
- · Made from the softest sheep skin available
- · Breathable leather for use in mild and hot climates
- · Elasticated wrist for a secure fit

mhalmi X

Sheep Skin Gray M-XXL









#### A251

#### **Tergsus Micro Glove**





#### **ANSI/ISEA 105**

EN 420 EN 388

- Synthetic microfiber palm with cotton backing for breathability
- · Excellent for jobs requiring high dexterity
- · Lightweight and comfortable
- · Hook and loop strap for safe secure fit



Microfibre, Cotton Blue M, Yellow L, Red XL, Black XXL











#### **Welders Gauntlet**



**ANSI/ISEA 105** 

EN 420 EN 388 EN 407

EN 12477

- · Maximum EN407 burn behavior resistance
- · Ideal for welding and metal handling
- · 14" Cow split leather welding gauntlet
- · Full cotton lining



**Cow Split Leather, Cotton** Red XL











₩ WELD



A530

#### **Reinforced Welding Gauntlet**





CE 48 ANSI

**ANSI/ISEA 105** EN 420

EN 388 EN 12477

- · Premium quality leather welding gauntlet
- · Fully welted and sewn with para-aramid thread
- · Reinforced palm and thumb area
- · Full cotton lining



Cow Split Leather, Para-Aramid Brown XL









#### **DISPOSABLE HAND PROTECTION**





#### A910

#### **Powdered Latex Disposable Glove**









EN 420 CE CAT 1 CE FOOD SAFE

- · Manufactured from genuine natural rubber
- · May cause allergic reactions in some individuals
- Highest degree of dexterity available
- Superior strength and comfort
- · 100 gloves per box

Latex White M-XL





#### A925

#### **Powder Free Nitrile Disposable Glove**









EN 420 EN 374

CE FOOD SAFE

- · 100% Latex free
- · Highest degree of dexterity available
- Highly durable synthetic nitrile compound
- · Textured pattern for enhanced grip
- · 100 gloves per box
- · 3mil thickness

ш ш х Y WWW

Nitrile Blue M-XL

Black M-XL











# THE VEND READY PACKAGING SOLUTION



- **Save time and money**
- **☑** Improve usage monitoring and control

# Improve inventory management Improve restocking inefficiencies Build your brand with customized packaging Front PORTWEST PORTWEST

VA120 152

VA620 147

VA622 147





#### **ANSI/ISEA 101 2014**

The purpose of this standard is to provide minimum size, packaging and labeling requirements for limited-use and disposable coveralls.



#### EN 13982-1

EN ISO 13982: 2004 Type 5

Dry particle suit (Type 5). 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 1149-5:2008

Electrostatic requirements surface resistivity. This tests for the removal of electrostatic to avoid sparks.



#### EN 13034

EN 13034: 2005 Type 6

Reduce spray suit (Type 6). Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment).



#### EN 14126: 2003

This specifies the requirements and test methods for limited use protective clothing providing protection against infective



#### **Chemical Protection**

Indicates compliance with current European standards for Chemical Protective Clothing



PARTICLE

#### EN 1073-2: 2002

Protective clothing against radioactive contamination. Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.

#### **PHYSICAL FABRIC TEST**

The fabric used in fabric and BizTex M		BizTex SMS FABRIC CLASS	BizTex MICROPOROUS FABRIC CLASS	
Abrasion Resistance	EN530	Class 1 (min) - 6 (max)	1	2
Flex Cracking Resistance	ISO 7854 B		4	5
Trapezoidal Tear Resistant	ISO 9073-4 MD	Class 1 (min) - 5 (max)	1	3
	ISO 9073-4 XD	Class 1 (min) - 5 (max)	2	1
	ISO 13934-1 MD	Class 1 (min) - 5 (max)	2	1
Tensile Strength	ISO 13934-1 XD	Class 1 (min) - 5 (max)	1	3
Resistance To Ignition	EN13274-4		Pass	Pass
Puncture Resistance	EN863	Class 1 (min) - 3 (max)	1	1
Stream Strength	ISO 13935-2	Class 1 (min) - 5 (max)	4	3

#### **CHEMICAL FABRIC TESTS**

Resistance To Chemical Penetration EN368	BizTex SA	IS FABRIC	BizTex MICROPOROUS FABRIC	
Resistance to Chemical Penetration En300	Repellency Class	Penetration Class	Repellency Class	Penetration Class
Sulphuric Acid 30% - Class 1 (min) - 3 (max)	3	3	3	3
Sodium Hydroxide 10% - Class 1 (min) - 3 (max)	3	3	3	3
Isopropanol - Class 1 (min) - 3 (max)	0	0	3	3

## **Industries** and Hazards List

ST40	ST30	
1	1	Aerospace
1	1	Agriculture & Farming
1	1	Asbestos Handling
1		Automotive
1		Bioengineering
1	1	Biological Hazards
1	1	Utilities
1	1	Chemical Handling
1	1	Civil Protection
1		Clean Room
1	1	Construction
1		Decontamination
1		Disease/Disaster Management
<b>✓</b>	1	Painting & Decorating
<b>/</b>	<b>/</b>	Electronics
<b>✓</b>	<b>✓</b>	Engineering
<b>/</b>	1	Food Processing
<b>/</b>	<b>/</b>	Forensic Science
1		Hazardous Materials
<b>✓</b>	<b>/</b>	Industrial Clean-Up and Maintenance
<b>/</b>	<b>✓</b>	Janitorial
<b>/</b>	1	Medical
1		Military
/	1	Nuclear Industry
/		Oil/Grease-Related Environments
<b>/</b>		Oil & Gas
<b>/</b>		Paint Handling/Isocyanate
1	1	Pharmaceutical
1	1	Police
1		Printing
1	1	Powder Coating
1	<b>√</b>	Roof Insulation
1	1	Slaughterhouse
1	1	Veterinary Services
1	1	Warehousing
1		Waste Management



#### **Fabric Information**

Portwest's BizTex Micro fabric is a polypropylene substrate with antistatic properties to which a polyethylene film is applied (PP/PE). The outer layer prevents the passage of liquid molecules inwards yet allows the vapor molecules that build up on the inside of the fabric to permeate. This technology keeps the wearer fresh and comfortable.



Excellent protection from contaminants

White One Size

ШШШХ

BizTex Microporous, 2.0oz

| X

Excellent protection from contaminants

White One Size

BizTex Microporous, 2.0oz



#### **Fabric Information**

Portwest's SMS is an integrated three layer polypropylene construction with anti-static properties. Formed by layering spunbond, meltblown and spunbond, the fabric is strong and durable as well as being soft and breathable.

Strong Breathable Protection Against Hazardous Dry Particles

#### ST30

BizTex SMS Coverall Type 5/6

#### **ANSI/ISEA 101**

FN 11495 EN ISO 13982 TYPE 5 EN 13034 TYPE 6









- · Highly breathable SMS fabric
- · Provides an effective barrier against particulates, aerosols and light sprays
- · Elasticated hood, ankles, cuffs and waist · Two-way front zipper and sealable front flap

BizTex SMS, 1.5oz White M-3XL













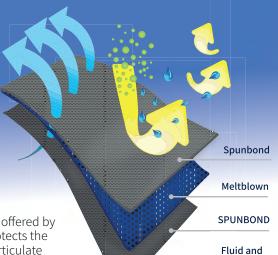


Portwest BizTex SMS products are manufactured with an integrated three layer polypropylene construction:

- SPUNBOND
- MELTBLOWN
- SPUNBOND

#### **Highly Breathable**

The high tensile strength offered by this trilaminate fabric protects the wearer from fluid and particulate penetration without compromising on mobility or comfort.



**Particulate Barrier** 





#### ANSI/ISEA Z89.1: 2014 American National Standard for Industrial Head Protection

The Occupational Safety and Health Administration (OSHA) guidelines state that employees shall wear protective hard hats when working in areas where there is a potential for injury to the head from falling objects. Protective hard hats designed to reduce electrical shock hazard shall be worn by each

employee when near exposed electrical conductors which could contact the head.

The performance criteria for head protection is provided in the American National Standards Institute (ANSI) Z89.1 American National Standard for Industrial Head Protection, updated in 2014.

**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 Hard Hat = the hard hat will not protect the wearer from electrical hazards.

**Class G** - General Hard Hat = hard hat that can withstand an electrical current up to 2,200 volts.

**Class E** - Electrical Hard Hat = hard hat that provides the highest level of electrical protection, withstanding currents up to 20,000 volts.

#### Hard hats classification and markings based on ANSI Z89.1: 2014

Classification	Marking		Definitions		
MPACT TYPE I TYPE I		TYPE I	Hard hats designed to reduce the force of impact resulting from a blow only to the top of the head		
	TYPE II	TYPE II	Hard hats designed to reduce the force of impact resulting from a blow to the top or sides of the head		
		Hard hats designed to reduce the danger of contact with low-voltage conductors. Tested at 2,200 volts			
CLASS	Class E (Electrical)	Class E	Designed to reduce the danger of contact with conductors at higher voltage levels. Tested at 20,000 volts		
	Class C (Conductive)	Class C	Hard Hats intended to provide no protection against contact with electrical hazards		
OPTIONAL REQUIREMENTS Reverse Donning		<b>3</b>	Hard hats which can be worn frontward or backward. They pass all hard hat testing requirements, whether worn frontward or backward		
	Lower Temperature	LT	Hard hats meet all testing requirements of the standard when preconditioned at a temperature of -30°C (-22°F)		
	High Visibility	HV	Indicate that the hard hat meets all testing requirements of the standard for high visibility colors. This includes tests for chromaticity and luminescence		
	Higher Temperature	HT	Hard hats meet the performance criteria after being preconditioned to higher temperatures of 140°F(60°C)		

#### EN 397: 2012 Industrial Safety Hard Hats

#### **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.
- $\bullet$  Penetration: The tip of the test mass used (3 kg

from 1m height) must not come into contact with the skull.

• Flammability: The hard hat 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, +50 °C and at -10 °C.

#### **Optional tests:**

#### • Resistance at extreme temperatures:

Testing impact and penetration are performed at +150 °C, -20 °C or -30 °C temperatures.

#### Electrical properties:

Protects against a short accidental contact with electric leads under voltage up to 440 V.

# PEAKVIEW

# TRANSLUCENT HARD HAT



The Peak View Hard Hat is a Portwest exclusive design. 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 color ways. Peak View is the safest and most comfortable solution for your head protection.







PINK

#### PEAKVIEW TRANSLUCENT HARD HAT

PV50

#### **Peak View Hard Hat - Vented**

20 C € ANSI

#### **ANSI/ISEA Z89.1 TYPE II CLASS C**

EN 397 -30°C

- · Portwest exclusive design
- · Translucent shell to see through peak and sides
- Extra strong yet ultra lightweight Polycarbonate shell, offering UV 400 protection
- · 6 points textile harness, adjustable size
- · Vented shell for extra air-flow (PV50)

100% Polycarbonate

Smoke, Blue, Clear, Yellow, Green, Red, Orange, Pink Adjustable 19.6"-26"

PV54

#### Peak View Plus Hard Hat - Non Vented



ANSI/ISEA Z89.1 TYPE II CLASS G

EN 397.440 V.A.C., -30°C



100% Polycarbonate

Smoke, Blue, Clear, Yellow, Green, Red, Orange, Pink Adjustable 19.6"-26" PV50

Soft foam

sweat band

included

6 points

harness

**ADJUSTABLE SLIP RATCHET** 

**PV60** 

#### **Peak View Ratchet Hard Hat Vented**



#### ANSI/ISEA Z89.1 TYPE II CLASS C

EN 397 -30°C

- · Portwest exclusive design
- Translucent shell and see through peak and sides allow the wearer to look upwards without the need to tilt the head
- Extra strong yet ultra light weight polycarbonate shell offers UV rays protection
- · 6 points textile harness
- · Wheel ratchet adjustment
- · Vented shell for extra air-flow (PV60)

100% Polycarbonate

Smoke, Blue, Clear, Yellow, Green, Red, Orange, Pink Adjustable 19.6"-26"

PV64 Peak V

#### Peak View Plus Ratchet Hard Hat -Non Vented



#### ANSI/ISEA Z89.1 TYPE II CLASS G

EN 397 440 V.A.C., -30°C



100% Polycarbonate Smoke, Blue, Clear, Yellow, Green, Red, Orange, Pink Adjustable 19.6"-26"

#### ADJUSTABLE WHEEL RATCHET





Soft foam sweat band included

6 points textile harness



**PV60** 

#### **HEAD PROTECTION**



#### **PS52** PW Full Brim Future



#### ANSI/ISEA Z89.1 TYPE I CLASS E

EN 397 -10°C/+50°C

- · Full Brim hard hat
- · Wide profile provides extra protection against sun, glare, rain, debris and non-toxic splashes
- · 4 points nylon harness with wheel adjustable ratchet
- · Soft foam sweat band included

PP

White Adjustable 20.4"-24.8"



#### PW52 Full Brim Future Vented



#### ANSI/ISEA Z89.1 TYPE I CLASS C

- Full brim hard hat with vented holes for ultimate wearer comfort in hot conditions
- · HDPE shell, 4 points textile comfort harness
- · Wheel ratchet adjustment
- · Soft foam sweat band and 4 points chin strap included

X |||||||||

IDPE

Adjustable 20.5"-24.8" Yellow, White



#### PS53 Height Endurance Hard Hat



#### **ANSI/ISEA Z89.1 TYPE I CLASS E**

EN 397 -30°C/+50°C, EN 50365 CLASS:0

- · Hi-Visibility color for increased visibility
- · Light, comfortable and compact with a short peak
- $\cdot$  ABS shell, 4 points textile comfort harness
- · Technical sweat band and 4 points chin strap (Y style) with a soft rubber chin protector included



ABS

Hi-Vis Orange, Hi-Vis Yellow, White Adjustable 20.5"-24.4"



Vented hard hat allowing a refreshing

airflow around the head

#### **PS50** Arrow Safety Hard Hat



#### ANSI/ISEA Z89.1 TYPE I CLASS C

EN 397 -10°C/+50°C

- Lightweight vented hard hat with 8 vent ports allowing total airflow circulation around the head area
- $\cdot\,$  6 points PE suspension harness for a comfortable fit
- $\cdot\,$  Buckle size adjustment for easy fitting
- · Compatible with PW47 and PS47 clip-on ear muffs
- · Foam sweat band included



HDPE, PE Blue, White, Yellow Adjustable 20.9"-25.6"

#### **PW98** Forestry Combi Kit



ANSI/ISEA Z89.1 TYPE I CLASS C ANSI/ISEA Z87.1 (VISOR HOLDER + MESH VISOR) ANSI S3.19 NRR NRR 24DB (EAR MUFF)

EN 397 -30°C/+50°C, LD,EN 352-3 ,EN 1731 F

- · Professional combi kit containing a hard hat, clip-on ear muffs and mesh visor
- · Vented ABS safety helmet with wheel ratchet adjustment (PS55)
- · High performance ear muffs in ABS material, adjustable in height for a better fit (PW47)

ABS, Mesh, Polystyrene Orange Adjustable 22.1"-24.8"



#### **PS59** AirTech Bump Cap







#### FN 812

- · Hi-Visibility color for increased visibility
- · Inner ABS shell and soft pad for shock absorption
- · Innovative design bump cap with side mesh for maximum ventilation.
- · Mid-length peak (1.97") ideal for all uses indoor and outdoor
- · Buckle size adjustment for easy fitting

100% Nylon, ABS, EVA Hi-Vis Yellow Adjustable 21.3"-23.2"



#### PA10 Hard Hat Holder



- · The hard hat holder is a Portwest exclusive design to keep your hard hat safe and secure
- · High performance magnets for attaching to metal surfaces and screws to attach to timber or plaster board surfaces
- · In built safety spectacle holder
- · Suitable for most standard type hard hats
- · UV stabilized for outdoor use



100% Polypropylene **Yellow One Size** 



#### **PA58** Helmet Winter Liner



- · 100% Cotton insulating liner
- · Designed to be worn with all hard hats
- · Hook & Loop straps to attach to the inner hard hat ensuring a secure fit
- · Can be worn with a chin strap

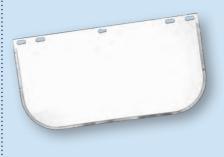


100% Cotton Black, One Size









#### **PW58**

#### **Hard Hat Visor Carrier**











- · Universal hard hat visor holder
- Compatible with PS50 hard hat and PW99 visor
- The holder's upwards movement enables stand-off visor position for intermittent use



Polyoxymethylene Black









#### PW96

#### **Face Shield Plus**











ANSI/ISEA Z87+

EN 166 1 BT 3 9

- Browguard including clear polycarbonate visor with aluminum edge
- Superior front and side face protection
- Protects from impacts, metal splashes and hot solid projections
- Harness ratchet adjustment for comfort fit
- Replacement visor available (PW99)



Polycarbonate, Aluminum Clear 7.9" X 15.7"

#### **PW99**

#### **Replacement Shield Plus Visor**









#### ANSI/ISEA Z87+

EN 166 1 BT 3 9

- Replacement visor to be used on PW96 browguard support
- Polycarbonate clear visor with aluminum edge
- Protects from impacts, metal splashes and hot solids projections



Polycarbonate, Aluminum Clear 7.9" X 15.7"



# Reflective Stickers Pack







- · High quality reflective stickers for safety helmets
- Honeycomb pattern with excellent reflective quality to improve visibility and safety
- Cutting-edge design suitable for all hard hat styles
- · Each pack (for 1 helmet) contains 7 stickers
- UOS is 10 packs (for 10 helmets) containing 70 stickers



Silver, Red 5.9" x 5.9"



#### PW53 **Chin Strap**





- · Nylon woven strap with PP chin cup
- Helps hard hats secure fit while working
- Easily to clip on and compatible with PV50/ PV54, PV60/PV64 hard hats







#### ID12 **Medical Information** Contact







- · Water resistant holder with waterproof paper
- Instant user/wearer recognition
- · Information is held securely
- Write on both sides to include more information
- · Language free



PVC

Red 2.7" X 0.8"

# PORTWEST Respiratory Range

Our Biztex® brand ensures exceptional quality and performance across our full range of disposable masks. The Biztex range offers a high level of protection and quality safeguarding the wearer against many workplace risks. Certified to NIOSH and EN 149 standards.



BIZTEX is a trademark of Portwest.

#### **NIOSH Standard:**

42 CFR Part 84 classifies particulate respirators into nine different classes broken down into three levels of filter efficiency (95, 99 and 99.97%) and three categories of filter degradation (N, R and P). The selection of N-, R- and P-series filters depends on the presence or absence of oil particles. If no oil particles are present then any series filters (N-, R- or P-series) may be used. If oil particles are present and the filter is to be used for more than one work shift, then only a P-series filter may be used. N-series filters cannot be used if oil particles are present.

#### The table below summarizes the difference between the NIOSH 42 CFR Part 84 and CE EN 149:2001 + A1:2009 standards.

Standard	Classification of the Filters	Efficiency Level	Breathing Resistance (Inhalation)	Total Inward Leakage	Categories of Resistance
	N95/R95/P95	95%			N Series - Used in particulate environments free of oil aerosols
NIOSH 42CFR-84	N99/R99/P99	99%	85L/Min 3,42 mbar	Not tested	R Series - Used for oil & non oil particles aerosol (with time use limitations specified by NIOSH)
	N100/R100/P100	99.97%			P Series - Used for oil & non oil particles aerosol ( with time use limitations specified by manufacturer)
	FFP1	≥80%	95L/Min	P1 = 78%	
EN149:2001 + A1:2009	FFP2	≥94%	FFP1: 2,1 mbar FFP2: 2,4 mbar FFP3: 3,0 mbar	P2 = 92%	All masks can be used against oil & non oil particulate aerosc
	FFP3	≥99%		P3 = 98%	

Based on efficiency level, FFP2 filters protection level is approximately equal to that of ANSI R95 level.



#### P200 N95 Cup Respirator



#### NIOSH N95

EN 149 FFP2 NR

- N95 approved offering protection against a wide range of nonoily particles
- · Provides 95% NIOSH filtration efficiency
- · Cup style for maximized inner space
- · Welded straps attachment for greater durability



Polypropylene White One size

#### P201 N95 Cup Valved Respirator



#### NIOSH N95

EN 149 FFP2 NR

- $\cdot\,$  N95 approved offering protection against a wide range of non-oily particles
- · Provides 95% NIOSH filtration efficiency
- · Cup style for maximized inner space
- Exhalation valve to reduce heat and humidity whilst offering a lighter breathing resistance



Polypropylene White One size



# **PORTWEST**

# **Eye Protection Range**

# **USA Standards**

#### **ANSI/ISEA Z87.1: 2015**

American National Standard -Personal Eye and Face Protective Devices.

ANSI Z87.1 sets forth criteria related to the general requirements, testing, permanent marking, selection, care and use of protectors to minimize or prevent injuries from such hazards as impact, non-ionizing radiation, and chemical exposures in occupational and educational environments including, but not limited to, machinery operations, material welding and cutting, chemical handling, and assembly operations. The most recent update of ANSI Z87.1 was established in 2015. The new standard is focused on the hazards and is organized so that users can seek guidance by type of hazard, such as impact, optical radiation, splash, fine dust and mist.

#### **ANSI Z87.1: 2015 markings**

A. 131 207.11 2013 Markings						
Marking	Meaning	Position				
PW: Portwest	Manufacturer Identification	Frame & Lens				
Z87	Non Impact protector	Frame & Lens				
OPTIONAL MARKINGS Required only when impact rating is claimed by the manufacturer	Meaning	Position				
Z87+	Impact protector	Frames used for an impact-rated protector are marked with Z87 + (lenses show just a " +" symbol)				
OPTIONAL MARKINGS Required only when special lens/use is claimed by the manufacturer	Meaning	Position				
-(no marking)	Lens type - Clear					
W - followed by shade number	Lens type - Welding	Lens				
U and scale number*	Lens type - UV filter	Lens				
L and scale number*	Lens type - Visible light filter	Lens				
R and scale number	Lens type - IR filter	Lens				
V	Lens type - Variable Tint	Lens				
S	Lens type - Special Purpose	Lens				
D3	Splash/Droplet	Frame				
D4	Dust	Frame				
D5	Fine Dust	Frame				

\* = see tables below for more details on U marking (UV filters performances) and L marking (Visible Light Filters performances)

#### **Transmittance requirements for Visible Light Filters:**

Scale (Marking)	Maximum %	Nominal %	Minimum %
L1.3	85	74.5	67
L1.5	67	61.5	55
L1.7	55	50.1	43
L2	43	37.3	29
L2.5	29	22.8	18
L3	18	13.9	8.5
L4	8.5	5.18	3.16
L5	3.16	1.93	1.18
L6	1.18	0.72	0.44
L7	0.44	0.27	0.164
L8	0.164	0.1	0.061
L9	0.061	0.037	0.023
L10	0.023	0.0139	0.0085

# PREMIUM PROTECTION

#### **Transmittance requirements for Ultraviolet Filters:**

Scale (Marking)	Maximum effective Far- Ultra-Violet (200-315nm) Average transmittance %	Maximum effective Near- Ultra-Violet (325-380nm) Average transmittance %
U2	0.1	3.7
U2.5	0.1	2.3
U3	0.07	1.4
U4	0.04	0.5
U5	0.02	0.2
U6	0.01	0.1



# European Standards

#### EN 166: 2001 Personal Eye 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 European Standard for Ultraviolet Filters

Specifies the scale numbers and transmittance requirements for filters for protection against ultraviolet radiation.

#### EN 172 European Standard for Sun glare filters for industrial use

Specification for Sun glare Filters Used In Personal Eye-Protection For Industrial Use

#### **EN 166 Markings**

MANUFACTURER SYMBOL	Lens / Visor	Frame / Holder	Glasses	Goggles	Visors
PW: Portwest	*	✓	<b>✓</b>	•	✓
OPTICAL CLASS					
1: Permanent wear (distortion free)					
2: Occasional wear	<b>~</b>		<b>✓</b>	<b>✓</b>	✓
3: Brief wear					
MECHANICAL RESISTANCE					
S: Minimal impact resistance (5,1 m/sec)			<b>✓</b>	•	✓
F: Low energy impact (45 m/sec)	_		✓	•	✓
B: Medium energy impact (120 m/sec)	✓	<b>*</b>		<b>*</b>	✓
A: High energy impact (190 m/sec)	-				✓
T: Impact test at extreme temperature (-5°C/+55°C) OPTIONAL			✓	✓	✓
CHEMICAL RISKS (OPTIONAL)					
3: Resistance to liquid droplets	_			<b>*</b>	
3: Resistance to liquid splashes					✓
4: Resistance to large dust particles (with > 5μm grain size)				<b>*</b>	
5: Resistance to gases and fine dust particles (with < 5µm grain size)				<b>~</b>	
ELECTRICAL RISKS (OPTIONAL)					
8: Short circuit arc resistance		<b>✓</b>			✓
THERMAL RISKS (OPTIONAL)					
9: Molten Metal splashes and hot solid projections		<b>✓</b>			<b>V</b>
LENS TREATMENTS (OPTIONAL)					
K: Resistance to surface damage by fine particles (anti-scratch treatment)					
N: Resistance to fogging of oculars (anti-fog treatment)	~		~		Ý

#### - AF = Anti-Fog treatment (corresponds to N - when the treatment is certified by the

to N - when the treatment is certified by the notified body and marked on the lens).

#### - AS = Anti-Scratch

treatment (corresponds to K - when the treatment is certified by the notified body and marked on the lens).



#### **PS11**

#### **Tech Look Plus**



**ANSI/ISEA Z87.1.1 + (CLEAR)** ANSI/ISEA Z87.1 .1 + U6 L3 (SMOKE)

FN 166 1 FT EN 170 2C-1.2 (CLEAR) EN 172 5-3.1 (SMOKE)

- · Dielectric safety glasses with metal free hinges featuring a tough and modern design with dual material on the side
- Wide elastic band ensuring an improved fit and makes it easily combined with hard hats and ear defenders
- Removable EVA foam gasket allows extra comfort and offers additional protection against shocks and dust



Polycarbonate, Nylon, EVA Foam Clear, Smoke



#### **Tech Look**









**ANSI/ISEA Z87.1.1 + (CLEAR)** ANSI/ISEA Z87.1 .1 + U6 L3 (SMOKE)

EN 166 1 FT EN 170 2C-1.2 (CLEAR) EN 172 5-3.1 (SMOKE)

- · Innovative lightweight dielectric safety glasses with metal free hinges, featuring a tough and modern design with dual material on the side arms
- Side holes offer increased ventilation for optimum comfort

Polycarbonate, Nylon Clear, Smoke





#### evo Glasses











ANSI/ISEA Z87.1 + (CLEAR) ANSI/ISEA Z87.1 + U6 L3 (SMOKE)

EN 166 1 F

- · Light and comfortable glasses offering face sealing similar
- Detachable foam offers additional protection against shocks and dust
- · Back foam ventilation and lens treatment prevents misting and fogging of the ocular
- · Dual use with classic arms or with wide elastic band



**Polycarbonate** Clear, Smoke



**DETACHABLE FOAM** offers additional protection against shocks and dust



PW11 Levo Glasses with elastic band (included)

#### **PW13**

#### **Clear View Glasses**













ANSI/ISEA Z87.1 + U6 (CLEAR) ANSI/ISEA Z87.1 + U6 L3 (SMOKE)

EN 166 1 F EN 170 2C-1.2 (CLEAR) EN 172 5-3.1 (SMOKE)

- · Tough looking wrap around glasses with streamline design
- · Excellent protective coverage and fitting
- · Ultra light with a panoramic view
- · Cord included



**Polycarbonate** Clear, Smoke



#### **PW14**

#### **Lite Safety Glasses**













ANSI/ISEA Z87.1 + U6 (CLEAR) ANSI/ISEA Z87.1 + U6 L3 (SMOKE)

EN 166 1 F EN 170 2C-1.2 (CLEAR) EN 172 5-3.1 (SMOKE)

- · Super lightweight and durable glasses with a sleek design
- · Larger fitting size for a perfect custom fit



**Polycarbonate** Clear, Smoke



#### **PW15**

#### **Fossa Glasses**















ANSI/ISEA Z87.1 + (CLEAR) **ANSI/ISEA Z87.1 + U6 L1.7 (SMOKE)** EN 166 1 F

- · Wrap-around design glasses
- · One piece lens with integrated side protections
- · Soft arm tips and rubber nose-bridge for ultra comfort
- · Cord included



Polycarbonate Clear, Smoke





#### PW32

#### **Wrap Around Glasses**



ANSI/ISEA Z87.1 + U6 (CLEAR) ANSI/ISEA Z87.1 + U6 L3 (SMOKE)

EN 166 1 FT EN 170 2C-1.2 EN 172 5-3.1 (SMOKE)

- · Contour wrap-around design glasses
- One piece curved lens with molded nose
- Ultra lightweight for long uses
- · Flexible arms for ultra comfort
- · Cord included

IIIIIIIII X

Polycarbonate Clear lens/Black temple, Smoke lens/Black temple



#### PW33

#### **Classic Safety Glasses**







ANSI/ISEA Z87.1 + (CLEAR) ANSI/ISEA Z87.1 + S (SMOKE)

EN 166 1 F EN 170 2C-1.2 EN 172 5-3.1 (SMOKE)

- · Single panoramic lens glasses
- · Molded side shield and browguard for optimized protection against impacts
- · Adjustable arms for better fit
- · Cord included

IIIIIIIII X

Polycarbonate

Clear lens/Black temple, Smoke lens/Black temple, Amber lens/Black temple



#### **PW34**

#### **Profile Safety Glasses**















ANSI/ISEA Z87.1 + (CLEAR) ANSI/ISEA Z87.1 + U6 L3 (SMOKE)

EN 166 1 F

- · Frameless glasses
- · One piece curved lens with molded nose
- Molded browguard protection
- · Excellent side protection
- · Cord included



**Polycarbonate** 

Clear lens/Black temple, Smoke lens/Black temple, Amber lens/Black temple

#### **PS32** Wrap Around Plus Glasses



ANSI/ISEA Z87.1 +U6

EN 166 1FT EN 170 2C-1.2

- · Our best selling Wrap Around Glasses is now available with additional edge protection, thanks to the removable gasket
- · Offers a super comfortable fit and optimal protection against dust and impacts
- · Lens are treated with anti-scratch and anti-fog coating for improved performance

minimi X

**Polycarbonate** 

Clear

#### PW38 Pan View Glasses



ANSI/ISEA Z87.1 + (CLEAR) ANSI/ISEA Z87.1 + U6 L3 (SMOKE)

EN 166 1 F

- · Wrap-around design glasses
- · One piece curved lens with molded nose-bridge
- · Ultra lightweight for long uses
- · Soft rubber arms tips for extra comfort
- · Cord included

**Polycarbonate** 

Clear lens/Black temple, Smoke lens/ Black temple

#### PW21 Indirect Vent Goggle











ANSI/ISEA Z87.1.1

EN 166 1 B 3

- · Designed to be worn in a tough work environment
- · Flexible PVC frame for ultra comfort
- · Transparent color for better side visibility
- · Indirect ventilation

IIIIIIIII X

**Polycarbonate** 

#### Clear

#### **PW20**

#### **Direct Vent Goggle**











ANSI/ISEA Z87.1 +

EN 166 1 B

- · Designed to be worn in a tough work environment
- · Flexible PVC frame for ultra comfort
- · Direct Ventilation



**Polycarbonate** Clear









# **Hearing Protection Range**

### **USA Standards**

#### ANSI (US American National Standards Institute) \$3.19 - 1974

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) and in accordance with the Occupational Safety & Health Administration(OSHA).

#### Noise Reduction Rating (NRR)

This is a unit of measurement used to determine the effectiveness of hearing protection devices to decrease sound exposure within a given working environment. Classified by their potential to reduce noise in decibels (dB).

Excessive noise is generally defined as exposure to 85 or more decibels of sound over an 8 hour period. According to OSHA, hearing protection is required for all employees at this degree of exposure. In all cases where the sound levels exceed the values shown below, a continuing, effective hearing conservation program should be implemented. Example: if a worker is exposed to 100dB in a 2 hour period, he is also required to wear hearing protection.



### European Standards

EN 352-1: 2002 Hearing Protectors - Ear Muffs

EN 352-2: 2002 Hearing Protectors - Ear Plugs

EN 352-3: 2002 Hearing Protectors - Hard Hat Mounted Ear Muffs

EN 352-4: 2002 Hearing Protectors - Level Dependent Ear Muffs

EN 352-8: 2002 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).

OSHA'S Permissible Noise Exposures		
Duration per day, hours	Sound level dBA slow response	
8	90	
6	92	
4	95	
2	100	
1	105	
0.5	110	
<0.25	115	

# Minimum requirements for the protection of workers against the risks related to noise exposure 8 hours exposure time at or above 85dB 8 hours exposure time at or above 80dB 8 hours exposure time between 75 dB and 80 dB Obligatory hearing protectors available to the worker Hearing protection recommended

#### Requirements Directive 2003/10/EC:

The performance of the hearing protector (its attenuation level) must be adapted to the risk assessment of the workplace.

It should bring the noise level to a level that is not harmful to health, while avoiding over-protection which would cut the operator from his environment (warnings, communication, etc).



PW41

#### Super Ear Protector









ANSI S3.19 NRR 25dB

EN 352-1

- · Ultra light and compact ear muff
- · Folds to palm size for better carriage and to keep clean
- · Ideal for all day wear but also for intermittent use
- · Adjustable dual pin system provides multiple positioning for better fit
- · Excellent attenuation rate



ABS, HIPS (High Impact Polystyrene)

**PW40** 

#### **Classic Ear Protector**







**ANSI S3.19 NRR 22dB** 

EN 352-1

- · Classic design ear muff
- · Light and robust
- · Ideal for all day use
- Excellent attenuation rate



ABS, Polystyrene Red



PW43

#### **Comfort Ear Protector**







**ANSI S3.19 26dB** 

EN 352-1

- · Comfort and robust ear muff
- · Lightweight for all day wear
- · Pivoting pin cups for better fit
- · Padded headband for comfort
- · High attenuation rate



ABS, Polystyrene **Black** 



PS41

#### **Super HV Ear Protector**













#### ANSI S3.19 NRR 25DB

EN 352-1

- · Hi-Visibility color for increased visibility
- · Adjustable dual pin system provides multiple positioning for better fit
- · Folds to palm size preventing external contamination
- · Excellent attenuation rate

ШШШХ

HIPS (High Impact Polystyrene), Stainless Steel **Hi-Vis Yellow** 

ABS, Polystyrene Red



PW47

#### **Endurance Clip-On Ear Protector**









#### **ANSI S3.19 NRR 24DB**

EN 352-3

- · Hard hat mounting ear muff
- Can be adjusted into the stand off position when not in use
- · Easy to clip-on
- Compatible with PS55, PW98, PS53, PV60, PV64, PV50, PV54, PS50 hard hats
- · Excellent attenuation rate



PS47

EN 352-3

not in use

· Easy to clip-on

ANSI S3.19 NRR 24DB

· Hi-Vis color for increased visibility

· Hard hat mounting ear muff

PV50, PV54, PS50 hard hats

· Excellent attenuation rate

**Hi-Vis Yellow** 

**Endurance HV Ear Protector** 

Can be adjusted into the stand off position when

Compatible with PS55, PW98, PS53, PV60, PV64,



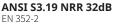


#### EP08

#### **Corded PU Foam Ear Plug**







- · Disposable ear plugs made from soft PU foam
- · Corded for safe keeping
- · Each pair inside individual hygienic
- · Excellent attenuation rate



**PU Foam** Orange



**ANSI** 

#### **EP02**

#### PU Foam Ear Plug (200 pairs)





- · Disposable ear plugs made from soft PU foam
- · Corded for safe keeping
- · Each pair inside individual hygienic
- · Excellent attenuation rate



**PU Foam** Orange





Easily adapts to ear canal and rapidly expands **TO OFFER IMMEDIATE PROTECTION AGAINST HARMFUL NOISES** 

#### EP20

#### **Ear Plug Dispenser**











#### ANSI S3.19 NRR 32DB EN 352-2

- Dispenser container containing 500 pairs of EP02 ear plugs
- · Soft ear plugs seal the ear canal with soft, slow recovery foam
- · Excellent noise reduction and comfort
- · One gentle turn delivers a pair of uncorded foam earplugs
- Can be used on a horizontal surface or be hung on the wall

IIIIIIII X

**PU Foam Black** 

**Contains 500 Pairs** 







#### Ear Plug Dispenser Refill Pack



#### ANSI S3.19 NRR 32DB

EN 352-2

- · Soft ear plugs seal the ear canal with soft, slow-recovery foam
- · Excellent noise reduction and comfort
- · Contains 500 pairs of EP02 ear plugs (refill for EP20 dispenser)



**PU Foam** Orange





Offering a versatile selection of lighting that provides excellent performance for an extensive array of tasks and duties.

- Head Lights
- Inspection Flashlights
- Flashlights

# PORTWEST Lights Range



#### **RoHS - Restriction of Hazardous Substances**

The 'Restriction of Hazardous Substances' directive is put in place to ensure all components of our electrical products will not endanger the user. All our lights are tested to this standard with compliance.



#### **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.

#### **PA66**

# Portwest Ultra Inspection Flashlight

ROHS





- · Brightness: 200/65 Lumens
- Beam Distance: 15 yards (side light), 80 yards (top light)
- · Run time: 2/4 Hours
- · Batteries: Included AAA x 4
- · Function: Inspection flashlight
- · Illuminates automatically once extended
- · Powerful wide magnetic base
- · Positioning and anti roll design



Aluminum Red L 12.9" x D 1.7"



#### PA65

# Portwest Inspection Flashlight

CE ROHS





- · Brightness: 150/40 Lumens
- · Beam Distance: 10 yards (side light), 20 yards (top light)
- · Run time: 4/10 Hours
- · Batteries: Included AAA x 3
- · Function: Inspection flashlight
- Magnetic base, rubberized body for grip with clip for hands free inspection
- · Compact but extremely powerful and useful lighting



ABS



#### **PA61**

#### **Portwest High Powered Enforcer**

CE ROHS





- · Brightness: 800 Lumens · Beam Distance: 550 yards Max
- · Run time: 40 Hours
- · Batteries: Included D x 3
- Function: High-Medium-Low-Flash-SOS
- · Impact and water resistant
- · The ultimate in security flashlights



Aluminum

Black L 12.4" x D 2"





#### PA54

#### **Portwest Tactical Flashlight**

CE ROHS









- · Brightness: 180 Lumens
- · Beam Distance: 330 yards Max
- · Run time: 8 Hours
- · Batteries: Included AAA x 3
- · Function: High-Medium-Low-Flash
- · Compact and comes with a useful belt clip and wrist strap



Aluminum

Black L 5.4" x D 1.4"







#### PA62

#### 19 LED Utility Flashlight

CE ROHS







- · Brightness: 74 Lumens
- · Beam Distance: 15 yards
- · Run time: 8 Hours
- · Batteries: Included D x 4 · Multi-function, can be used as a flashlight, inspection light and spot light
- · Wall mountable for easy access in emergencies

IIIIIIIII X

Yellow/Black L 6.1" x W 4.6" x H 7.1"











#### **WATER** resistant



#### PA60

#### 7 LED Rubber Flashlight

CE ROHS







#### · Brightness: 31 Lumens

- · Beam Distance: 55 yards
- · Run time: 8 Hours
- · Batteries: Included D x 2
- · Rubberized for grip and durability
- · A classic ergonomically design utilizing modern LED



Rubber, ABS

Yellow/Black L 7.7" x D 3"

#### **PA64**

#### **Portwest Ultra Power Head Light**



CE ROHS

- · Brightness: 500 Lumens
- · Beam Distance: 165 yards (high), 90 yards (medium), 45 yards
- · Run time: 2 hours
- · Batteries: Included AA x 4
- Function: High-Medium-Low-Flash-SOS
- · Tilt control for different working positions
- · Rubberized headband stitching for a better fit
- · Easy to load and durable battery pack
- · Button protector to avoid accidental switching on when not



Aluminum, ABS, Polvester Yellow/Black, Adjustable







#### **PA63**

#### **Portwest Dual Power Head Light**





**ROHS** 

- · Brightness: 100 Lumens
- · Beam Distance: 10 yards (high), 5 yards (medium)
- · Run time: 8 Hours
- · Batteries: Included AAA x 3
- · Function: High-Medium-Flash
- Bright, compact and lightweight
- · Tilt control for different working positions
- Tough rubberized coating



ABS, Polyester Yellow/Black, Adjustable







#### **PA50**

#### **LED Head Light**





- · Brightness: 40 Lumens
- · Beam Distance: 15 yards (high), 10 yards (medium)
- · Run time: 10 Hours
- · Batteries: Included AAA x 3
- · Function: High-Medium-Flash
- 8 LED
- Tilt control for different working positions



Silver/Black, Adjustable











#### B029

#### **Beanie LED Head Light USB** Rechargeable



**ROHS** 

- · Warm and comfortable acrylic beanie
- · Rechargeable LED can be charged in a USB Port
- · Brightness: 150 Lumens
- Run time: 4 hours
- Power: USB Charge
- Function: High-Medium-Flash
- · Beam Distance: 10 yards (High), 5 yards (Medium)



100% Acrylic, Knit Black, Yellow, One Size

#### **NEXT GENERATION LIGHTING**



High-Visibility Yellow ON / OFF



Silver ON / OFF

#### HV05

#### **Illuminated Flashing Armband**







EN 13356 CE ROHS

- · Adjustable elastic straps for a secure fit
- · Bright illuminated reflective panel
- · 2 light settings: constant and pulse
- · Compact and lightweight
- · Battery life of 80 hours
- · CR2032 3v battery included
- · CE Certified

ABS. LED. TPU Hi-Vis Yellow, Silver One Size



#### **PW80**

#### **Support Belt**



- · Provides support to the lower back and abdomen
- · 8" wide belt
- · Adjustable waistbelt and shoulder straps
- · Elasticated for a secure and comfortable fit
- · Can be worn underneath or over clothing
- · Machine washable



38% Latex, 62% Polyester Black S-XL

#### **PA99**

#### Slimline 120dB Safety Whistle





- · Slimline whistle can create an ear-piercing 120dB
- · Ability to signal for help from vast distances
- · Lightweight and portable
- · Cord included



**Plastic** Orange 2.24" x 0.9"





# PORTWEST Luggage Range

A collection of versatile luggage pieces, suitable for traveling or general everyday use. Robustly constructed with strong materials and tough components. Reliability and durability guarantee 100% customer satisfaction.

#### B900

#### **Holdall Bag**



- · Ideal for carrying tools and equipment, or as a travel bag
- · Adjustable shoulder strap for added comfort
- · 2 zipper compartments
- · ID card holder for ID card display
- · Robust base panel



100% Polyester, PVC Coated, 15oz Black, Navv Capacity 65 Liters L27" x W10" x H15.5"



#### B904

#### **Quick Release Hi-Vis Rucksack**





- · Hardwearing 600D fabric
- · Padded straps and back panel for comfort
- · Multiple storage pockets
- · Cell phone pocket
- · Innovative quick release anti-entanglement system
- · Fabric and reflective tape meet the requirements of ANSI/ISEA 107-2015 and EN ISO 20471



100% Polyester 600D Fabric, 7.5oz 210T PA, 3oz Orange **Capacity 25 Liters** L11" x W8.5" x H17"



25 LITERS



#### **B905** Hi-Vis Rucksack





- · Hard wearing 600D fabric
- · Padded straps and back panel for comfort
- · Multiple storage pockets
- · Cell phone pocket
- · Fabric and reflective tape meet the requirements of ANSI/ISEA 107-2015 and EN ISO 20471



100% Polyester 600D Fabric, 7.5oz 210T PA, 3oz Orange, Yellow **Capacity 25 Liters** L11" x W8.5" x H17"



# **PORTWEST**



## Kneepads Range

Portwest knee pads offer a range of knee protection to suit every situation.

Type 1 (strap on knee pads)

Type 2 (insert knee pads)

Type 3 (kneeling pads)

All Portwest knee pads use premium high density material to give the user the best protection possible for their knees no matter the hazard. Diverse materials such as EVA foam, neoprene rubber and silicone gel inserts are used to ensure maximum wearer comfort. Ergonomics is a key feature in our knee pads design and is backed up in the positive feedback we receive from our wearer trials.

#### EN 14404:2004+A1:2010

This European Standard specifies the requirements for knee protectors type 1 and type 2. Type 1 being strap knee pads and type 2 being inserts. The level of protection it offers ranges from a level 0 to a level 2. Level 2 offers the greatest protection.

### **Superior Comfort and Protection**







- · Lightweight EVA foam cushioning
- · Reduces knee and back strain
- · Integral carry handle



**EVA Foam** Black One Size L15.5" x W7.5" x H1"



#### **S156**

#### **Portwest Knee Pad**





EN 14404:2004+A1:2010 TYPE 2 LEVEL 0

- Ergonomically designed to hug vour knee
- Durable high density EVA protects and gives comfort to the wearer
- Fits all Portwest knee pad pockets

**EVA Foam** Black 8.5" x 6.5"



#### KP10

#### **High Density Knee** Pad





- · High density polyurethane both protects and cushions the wearer's
- · Ribbed design for stability
- · Waterproof and easily cleaned



**Polyurethane Black Adjustable** 

#### STRAP ON KNEE PADS

#### KP40

#### **Ultimate Gel Knee Pad**







EN 14404:2004+A1:2010 TYPE 1 LEVEL 1

- · Designed to give stability to the wearer by virtue of its flexible and wide foot print
- · Unrivaled comfort is provided by silicone gel inserts
- · 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



PVC Shell, Nylon, EVA Foam, Neoprene Black/Turquoise Adjustable



#### **KP30**

#### Super Gel Knee Pad







EN 14404:2004+A1:2010 TYPE 1 LEVEL 0

- · Strong outer shell offers protection and traction
- · Silicone gel inserts protect joints and give great wearer
- · Ergonomically designed and tested straps ensure no pinching to the back of the wearers leg



PVC Shell, Nylon, EVA Foam, Neoprene **Black Adjustable** 



#### **Ergonomic Straps NO PINCH**

#### KP20

#### **Lightweight Knee Pad**







EN 14404:2004+A1:2010 TYPE 1 LEVEL 0

- · Lightweight wrap-around design
- · Tough outer shell for protection
- · Breathable inner fabric allows air to circulate
- · A thick foam center cushions the wearers knee



Nylon, EVA Foam, Plastic Black Adjustable





# **PORTWEST**®

# **Knives Range**

Portwest knives provide a full range of cutting solutions including replacement blades. Our knives offer razor sharp precision and are ergonomically designed for easier handling. Using only high quality materials, they are used across a wide variety of industries including factories, warehouses, trades men and D.I.Y. enthusiasts. You can trust our knives and blades to perform while making safety a priority.



Always wear safety glasses



Automated blade retraction

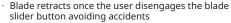


TUV GS Product Service Certification. Complies and meets the requirements of the German Equipment Safety Law.



#### KN10

#### **Ultra Safety Cutter**





- $\cdot\,$  Designed for right handed users
- · Classic safety knife design

Zinc Alloy Black



#### **Durable metal frame**



#### KN20

#### **Pro Safety Cutter**

#### **TUV GS**

- · Tough design with rubber grip for improved safety
- Blade retracts once the user disengages the blade slider button avoiding accidents
- Cuitable for both right and left handed use
- $\cdot\,$  Suitable for both right and left handed users









#### **KN40**

#### **Retractable Safety Cutter**

#### **TUV GS**

- 72 · Auto retractable blade, which disengages when it loses contact with the cutting surface
- · Quick blade change system
- · Designed for heavy everyday use
- Accommodates use with a lanyard



Zinc Alloy, Rubber

Blue





#### **KN30**

#### **Portwest Folding Utility Knife**





- · One handed opening for working at height
- · Rubber handle for better grip
- · Useful metal belt clip
- · Includes 5 blade replacements



Aluminum, Rubber

Blue

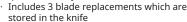




#### **KN18**

#### **Portwest Snap Off Knife**





· Rust resistant stainless steel blade holder



ABS. Rubber

Blue







**Replacement Blades for** 

**KN30 and KN40 Cutters** 









#### **Portwest Snap Off KN18 Replacement** Blades (10)

- · Replacement blades for KN18
- · 8 cutting edges
- · 10 blades per pack
- · Generic size 18mm snap off blade fits most other designs



**Carbon Steel** Silver











**Carbon Steel** Silver



#### **Replacement Blades for** KN10 and KN20 (10)

- Replacement blades for KN10 and KN20
- · 2 cutting edges
- · 10 blades per pack
- · Unparalleled sharpness and superior edge retention











**KN91** 

(10)

- · 10 blades per pack
- · Unparalleled sharpness and superior edge retention



**Carbon Steel** Silver







**NEW** MERCHANDISING

#### **CUSTOMIZE YOUR OWN STAND**

As well as a comprehensive range of clothing, footwear, PPE and accessories, Portwest can also supply an outstanding range of merchandising stands to promote products. Each stand is customized and has been specifically designed to show the items in the best possible way.



A - Denotes a fixture that is compatible with the Z600 Wall Bay Unit



B - Denotes a fixture that is compatible with the Z601 Free Standing Unit



A+B - Means the fixture can be used with either the Z600 or the Z601



Denotes if applying this on Z600 you will need Z612 as a base. If applying this on Z601 you will need Z611 as a base.









Starter Wall Bay W3ft 11" x H7ft 10.5"







Large Freestanding Floor Stand L4ft 11" x W1ft 7.5" x H4ft 8"







Stepped Out Hanging Rail 3ft





Large Shelf L47" x W15"







Z610

Stepped Out Hanging Rail 19.5"







Shallow RSB 19.5"













**Z620** 

Forward Hanging Arm 8.5"











**Z621** 

Forward Hanging Arm 13.5"









Z630 Hook 8"







Z635

Shoe Shelf L110" x W23"









**Z622** 

Stepped Arm











**Hard Hat Stand** H86" x W21.5"



1

Glove/PPE Display Stand H67" x L27.5" x W15.5"

PORTWEST





Portwest Large Bin



Z543

Footwear Cardboard



Display





**Z587** 

Portwest Mat L79.5" x W39"





Z583

Large PVC Banner W82" x H32"





Z456

Z529

Stand

D7"

1

Portwest Wooden Jacket Hanger





Z457

Portwest Wooden Pants Hanger





Pull Up Banners



Z586NCRB010 - Iona

Z586NCRB002 - Bizflame







Z586NCRB001 - Biztex Z586NCRB011 - Peakview Z586NCRB007 - Footwear



Z580 Portwest Paper



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B904         191           B905         191           BZ31         18           C470         77           C472         77           C701         105           C720         106           C813         107           C814         109           C\$10         100           C\$21         101           CV01         81           CV03         81           CV04         81           E041         61           E043         61           EP02         186           EP20         186           EP21         186           F124         104           F125         104           F474         78           F477         79           F813         107           FC21         122           FC60         123           FC61         123           FC64         122           FD15         120           FR02         20           FR09         21	STYLE	PAGE
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BZ31 18 C470 77 C472 77 C472 77 C701 105 C720 106 C813 107 C814 109 CS10 100 CS11 100 CS21 101 CV01 81 CV03 81 CV04 81 E041 61 E043 61 EP02 186 EP02 186 EP02 186 EP20 186 EP20 186 EP21 186 F124 104 F125 104 F474 78 F477 79 F813 107 FC21 122 FC60 123 FC61 123 FC61 123 FC61 120 FR01 20 FR01 20 FR01 20 FR02 20 FR09 21	B904	191
C470         77           C472         77           C701         105           C720         106           C813         107           C814         109           C\$10         100           C\$21         101           C\$21         101           C\$01         81           C\$03         81           C\$04         81           E041         61           E043         61           EP02         186           EP20         186           EP21         186           F124         104           F125         104           F474         78           F477         79           F813         107           FC21         122           FC60         123           FC61         123           FC64         122           FD10         120           FR01         20           FR02         20           FR09         21	B905	191
C472         77           C701         105           C720         106           C813         107           C814         109           C\$10         100           C\$11         100           C\$20         101           C\$21         101           C\$03         81           C\$04         81           E041         61           E043         61           EP02         186           EP20         186           EP21         186           F124         104           F474         78           F477         79           F813         107           FC21         122           FC60         123           FC61         123           FC64         122           FD10         120           FR01         20           FR02         20           FR09         21	BZ31	18
C701 105 C720 106 C813 107 C814 109 CS10 100 CS11 100 CS21 101 CV01 81 CV03 81 CV04 81 E041 61 E043 61 EP02 186 EP08 186 EP20 186 EP21 186 F124 104 F125 104 F474 78 F477 79 F813 107 FC21 122 FC60 123 FC61 123 FC64 122 FD10 120 FR01 20 FR02 20 FR09 21	C470	77
C720       106         C813       107         C814       109         CS10       100         CS11       100         CS20       101         CS21       101         CV01       81         CV03       81         CV04       81         E041       61         E043       61         EP02       186         EP08       186         EP20       186         EP21       186         F124       104         F125       104         F474       78         F477       79         F813       107         FC21       122         FC60       123         FC61       123         FC64       122         FD10       120         FR01       20         FR02       20         FR09       21	C472	77
C813 107 C814 109 CS10 100 CS11 100 CS20 101 CS21 101 CV01 81 CV03 81 CV04 81 E041 61 E043 61 EP02 186 EP08 186 EP20 186 EP21 186 F124 104 F125 104 F474 78 F477 79 F813 107 FC21 122 FC60 123 FC61 123 FC64 122 FD10 120 FD15 120 FR01 20 FR02 20 FR09 21	C701	105
C814         109           CS10         100           CS11         100           CS20         101           CS21         101           CV01         81           CV03         81           CV04         81           E041         61           E043         61           EP02         186           EP08         186           EP20         186           EP21         186           F124         104           F474         78           F477         79           F813         107           FC21         122           FC60         123           FC61         123           FC64         122           FD10         120           FR01         20           FR02         20           FR09         21	C720	106
CS10 100 CS11 100 CS21 101 CS21 101 CV01 81 CV03 81 CV04 81 E041 61 E043 61 EP02 186 EP02 186 EP20 186 EP21 186 F124 104 F125 104 F474 78 F477 79 F813 107 FC21 122 FC60 123 FC61 123 FC64 122 FD10 120 FD15 120 FR01 20 FR02 20	C813	107
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CS21 101 CV01 81 CV03 81 CV04 81 E041 61 E043 61 EP02 186 EP08 186 EP20 186 EP21 186 F124 104 F125 104 F474 78 F477 79 F813 107 FC21 122 FC60 123 FC61 123 FC64 122 FD10 120 FD15 120 FR01 20 FR02 20 FR09 21	CS11	100
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CV03 81  CV04 81  E041 61  E043 61  EP02 186  EP08 186  EP20 186  EP21 186  F124 104  F125 104  F477 79  F813 107  FC21 122  FC60 123  FC61 123  FC64 122  FD10 120  FD15 120  FR01 20  FR02 20  FR09 21	CS21	101
CV04       81         E041       61         E043       61         EP02       186         EP08       186         EP20       186         EP21       186         F124       104         F125       104         F477       79         F813       107         FC21       122         FC60       123         FC61       123         FC64       122         FD10       120         FD15       120         FR01       20         FR02       20         FR09       21	CV01	81
E041 61 E043 61 EP02 186 EP08 186 EP20 186 EP21 186 F124 104 F125 104 F474 78 F477 79 F813 107 FC21 122 FC60 123 FC61 123 FC64 122 FD10 120 FD15 120 FR01 20 FR02 20 FR09 21	CV03	81
E043       61         EP02       186         EP08       186         EP20       186         EP21       186         F124       104         F125       104         F474       78         F477       79         F813       107         FC21       122         FC60       123         FC61       123         FC64       122         FD10       120         FD15       120         FR01       20         FR02       20         FR09       21	CV04	81
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EP08 186 EP20 186 EP21 186 F124 104 F125 104 F474 78 F477 79 F813 107 FC21 122 FC60 123 FC61 123 FC64 122 FD10 120 FD15 120 FR01 20 FR02 20 FR09 21	E043	61
EP20       186         EP21       186         F124       104         F125       104         F474       78         F477       79         F813       107         FC21       122         FC60       123         FC61       123         FC64       122         FD10       120         FD15       120         FR01       20         FR02       20         FR09       21	EP02	186
EP21       186         F124       104         F125       104         F474       78         F477       79         F813       107         FC21       122         FC60       123         FC61       123         FC64       122         FD10       120         FR01       20         FR02       20         FR09       21	EP08	186
F124       104         F125       104         F474       78         F477       79         F813       107         FC21       122         FC60       123         FC61       123         FC64       122         FD10       120         FD15       120         FR01       20         FR02       20         FR09       21	EP20	186
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F474       78         F477       79         F813       107         FC21       122         FC60       123         FC61       123         FC64       122         FD10       120         FD15       120         FR01       20         FR02       20         FR09       21	F124	104
F477     79       F813     107       FC21     122       FC60     123       FC61     123       FC64     122       FD10     120       FR01     20       FR02     20       FR09     21	F125	104
F813     107       FC21     122       FC60     123       FC61     123       FC64     122       FD10     120       FD15     120       FR01     20       FR02     20       FR09     21	F474	78
FC21     122       FC60     123       FC61     123       FC64     122       FD10     120       FD15     120       FR01     20       FR02     20       FR09     21	F477	79
FC60     123       FC61     123       FC64     122       FD10     120       FD15     120       FR01     20       FR02     20       FR09     21	F813	107
FC61     123       FC64     122       FD10     120       FD15     120       FR01     20       FR02     20       FR09     21	FC21	122
FC64     122       FD10     120       FD15     120       FR01     20       FR02     20       FR09     21	FC60	123
FD10         120           FD15         120           FR01         20           FR02         20           FR09         21	FC61	123
FD15     120       FR01     20       FR02     20       FR09     21	FC64	122
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- All styles marked green are new styles
- All styles marked pink are ladies styles

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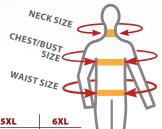
# **Size conversions**

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 42"-44" would take a size L when choosing a jacket or coverall.



#### Men's Neck

	S	N	Λ	ı	L	XL	X	KL		3XL		4)	(L
Imperial (inches)		14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20
Metric (cm)		37	38	39	41	42	43	44	46	47	48	50	51





#### Men's Waist

	Х	S	!	5	N	Λ		L	Х	L	X	(L	3)	(L	4)	(L		5XL		6)	(L
Imperial (inches)	26	28	30	32	33	34	36	38	40	41	42	44	46	47	48	50	52	54	55	56	58
Metric (cm)	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	148





#### Men's Chest

	X	XS		XS			5	Λ	/		L		XL		X	KL	3)	(L	4)	KL		5XL			6XL			7XL			8XL	
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
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



#### Ladies' Bust

		XS		!	S	ı	VI	L		Х	L	X	ΧL	3)	(L	4)	(L
Imperial (inches)	28	30	32	33	34	36	38	40		42	44	46	47	48	50	52	54
Metric (cm)	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136



#### Ladies' Waist

	X:	5	9	5	N	/		L	Х	L		XXL		3	(L		4XL	
Imperial (inches)	22	24	26	28	30	32	33	34	36	38	40	41	42	44	46	47	48	50
Metric (cm)	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128

<sup>\*</sup>Note: Garment sizes vary depending on the style.



#### **Footwear**

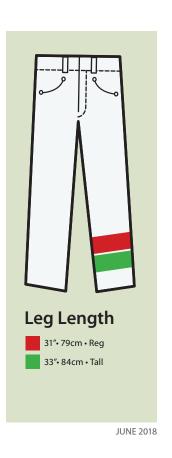
It is recommended to have your foot measured when purchasing footwear as there is no exact standard for converting shoe sizes.

UK Ladies Size	1	2	3	4	5	6	6.5	7	8	9									
US Ladies Size	3	4	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	2	3	4	5	6	7	7.5	8	9	10	11	11.5	12	13	14	15	16	17	18



#### **Gloves**

	XXS	XS	S	M	L	XL	XXL	3XL
Imperial (inches)	5	6	7	8	9	10	11	12
Metric (mm)	127	152	178	203	229	254	279	305





Portwest's award winning design team create customized garments for hundreds of customers. The team can work closely with you to design and develop individual products or complete market ready ranges that span clothing, footwear, hand protection, PPE and accessories.

Product samples are supplied at all critical stages of the design process and our product design team works with independent notified bodies around the world enabling certification to all international standards.

Portwest offers a fast efficient personalization service and can print or embroider as required. All customized items can be supplied in customers own brand packaging and outer cartons.

# Customized Design Options:

- 1. Complete design service starting with your own design specification.
- 2. Portwest product styles adapted to your needs.
- 3. Portwest product styles but with your labeling and branding.



#### REACH

Portwest confirms full compliance under REACH legislation and is fully supportive of worldwide efforts to phase out the use of harmful chemicals where possible in the manufacturing process.



# QUALITY & FNVIRONMENT

Portwest holds ISO 9001 for quality management systems and ISO 14001 for environmental management.



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WORKWEAR COMPANY



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