











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

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

Portwest Planet sustainability program is underpinned by 4 strategic pillars: Environment, Labor and Human Rights, Sustainable Procurement and Ethics.



INDEPENDENT PARTNERSHIPS

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

















PORTWEST PLANET SUSTAINABILITY PROGRAM IS UNDERPINNED BY FOUR STRATEGIC PILLARS.

1. ENVIRONMENT

At Portwest, we are dedicated to increasing the use of sustainable and recycled materials in the manufacturing of our products. Portwest is certified ISO 14001, which means we have worked hard to set up a fully integrated and proactive Environmental Management System. This system enables us to identify the environmental impacts of our business and take action to improve our management and monitoring of risks.

Portwest has achieved Level 3 OEKO-TEX® STeP

certification, the highest level possible. We are proud that 85% of all our garments carry the OEKO-TEX® STANDARD 100 label, guaranteeing that every component of these products have been tested for harmful substances.



This year we have introduced eco-conscious products, where all fabrics and components are certified as being responsibly sourced and manufactured in a responsible and eco-conscious way.

Across our ranges we also source GRS certified recycled polyester, ensuring visibility of the supply chain. We are a member of Cotton Made in Africa, one of the worlds leading standards for sustainably produced cotton.

As a global manufacturer, replacing our packaging materials with compostable and recyclable components is key to reducing our impact on the environment. We have committed to eliminating single use plastic, and have set a target to have 100% of plastic packaging reusable or compostable by 2025. Additionally, we aim to have 70% of plastic packaging recycled or composted and use 30% recycled content in all packaging by 2025.

2. LABOR AND HUMAN RIGHTS

Portwest is committed to providing a safe and equal workplace for our colleagues globally. By 2023, we aim to have ISO 450001, the Occupational Health and Safety standard, across all our global sites.

In Bangladesh, Portwest's fully owned factory is certified to the Gold WRAP standard. WRAP is the worlds largest, independent, factory based compliance program for responsible production in the sewn product sector.

Our goal is to implement ISO 450001, the Occupational Health and Safety standard, across all of our global sites by 2023.

Portwest's fully owned factories are audited using the Sedex Members Ethical Trade Audit (SMETA). SMETA is a social auditing framework that aims to support business practices across labor standards, universal rights, management systems and health and safety.

3. SUSTAINABLE PROCUREMENT

Portwest has embraced the principles of sustainable procurement, ensuring our purchasing specifications minimize the impact our operations have on the environment and society as a whole. We have built extensive supplier policies and embedded processes to ensure that products are produced in an ethical and responsible manner.



SEDEX, one of the world's leading online platforms, enables companies to manage and improve working conditions in global supply chains. As a member of SEDEX, we are working hard to increase visibility of our global supply chain, and are working closely with suppliers to ensure they are compliant.

4. ETHICS

As a global family-owned company, we are committed to conducting and growing our business in a sustainable and ethical manner.

We have stringent policies in place to ensure the health, wellbeing, and safety of all our employees worldwide. We are voluntary members of independent monitoring organizations who oversee our global compliance with these policies.

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

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



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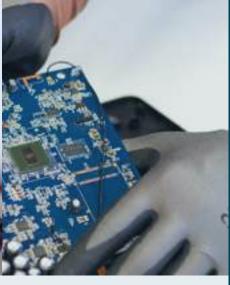
INDUSTRIES

END TO END SAFETY SOLUTIONS

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







CRAFT AND LIGHT INDUSTRY

BUILDING AND CONSTRUCTION

ELECTRONICS AND TELECOMMUNICATIONS



ELECTRICAL UTILITIES



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



TRANSPORT, LOGISTICS AND WAREHOUSING



MARINE AND AVIATION





PUBLIC SAFETY



PROTECTION AGAINST HAZARDS



LOW VISIBILITY

Workers in low light and poor visibility conditions, especially those working around moving vehicles, need high visibility garments to ensure maximum visibility. Portwest offers 300+ styles - the most comprehensive range of high visibility garments in the market. The new Glowtex styles now offer triple protection.





RAIN

Potential workplace hazards can be exacerbated in wet weather. In the rain, surfaces can become slippery and visibility is adversely affected. There is also the risk to worker's health if they are wearing clothing and hand protection that do not protect against the rain.





EXTREME COLD WEATHER

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





HEAT AND FLAME

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





ELECTRIC ARC

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





CHEMICAL

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





EXTREME HOT WEATHER

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





SLIPPERY SURFACES

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

15 STYLES



CUT

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

39



IMPACT

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

39 STYLES



NUCLEAR PARTICLE

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

2 STYLES



EYE INJURY

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

23 STYLES



NOISE LEVELS

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

12 STYLES



RESPIRATORY DANGERS

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

5 STYLES

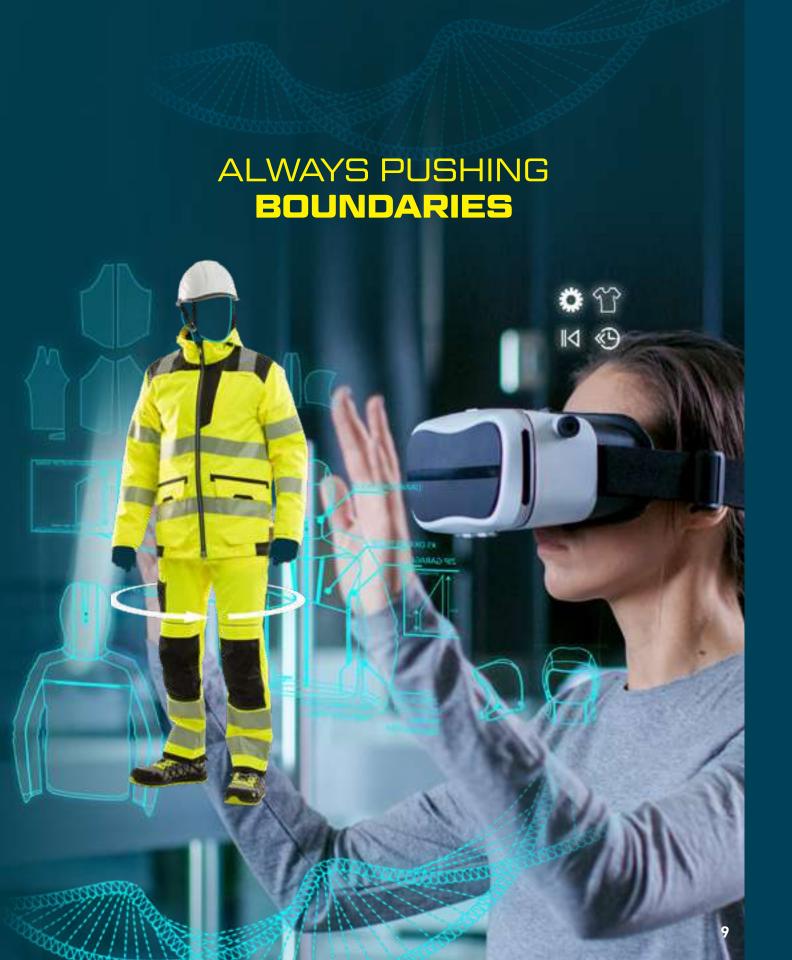






Continuous innovation ensures our protective wear meets the ever evolving demands of workers across multiple industries.

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





YOUR CUSTOM PRODUCT DESIGNED FOR YOU - FROM CONCEPT TO PRODUCTION



YOUR LABELING AND SIZE RANGE



YOUR FABRIC SELECTION



YOUR BRANDING



YOUR PACKAGING











LET OUR EXPERTS JOIN YOUR TEAM

DESIGN EXPERTS:

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

PRODUCTION EXPERTS:

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

QUALITY EXPERTS:

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

PROJECT EXPERTS:

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

DESIGNED / SAMPLED / CERTIFIED

PRODUCED AND DELIVERED



FABRICS

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





Modacrylic fibers provide inherent flame resistance, excellent dimensional stability and high elastic properties which allow garments to retain their shape. High cotton content gives the fabric comfort, warmth and a soft handle. Carbon fiber woven into the fabric gives inherent anti-static properties.





This inherently flame resistant Portflame Plus™ fabric offers luxurious comfort and is ideal for hot climates. The special viscose blend provides outstanding ARC protection rarely achieved on lightweight fabrics. Constructed using 50% Viscose, 30% Modacrylic, 18% Aramid, 2% Anti-Static, Portflame Plus™ is available in 5.5oz.





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





BizWeld is a flame-resistant, cotton fabric, globally available and engineered for maximum performance, comfort and durability.

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





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





Made with 300 Denier Oxford Weave 100% Polyester yarn, this 190g fabric has superb abrasion and tear resistance. The double coating of polyurethane (PU) makes the fabric highly durable and waterproof. And the outer has a water and stain repellent finish. Available in 300D Breathable and 300D Industry (non-breathable).





Made with 150 Denier Oxford Weave 100% Polyester yarn, this 150D fabric is abrasion and tear resistance. The PVC coating makes the fabric durable and waterproof and has a water repellent finish.



Made with 190T plain weave 100% polyester yarn, this fabric is strong and rugged with great abrasion resistance. The PVC coating makes the fabric waterproof and the water repellent finish increases the water resistance.



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.





The high visibility MeshAir fabric is lightweight and fully breathable making it ideal for working in warmer conditions. The open mesh fabric uses an advanced open knit construction which provides full airflow around the body and excellent ventilation. The MeshAir high visibility fabric is fully tested and certified to EN20471.





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





Portwest Extreme is a premium high performance, breathable rainwear fabric constructed from 100% Polyester, 300D Stretch Oxford 6oz and offers superior comfort, function and endurance in all weather conditions. Waterproof and wind proof to the highest standards, this fabric far exceeds the current highest industry requirements.





TESTING

GLOBAL CERTIFICATION

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

Certified to **ANSI** (American National Standards Institute) means that our products have been tested and certified by a third party testing facility to meet all the requirements of that relevant ANSI standard. Product categories that are tested include high visibility, hand protection and PPE. Our flame resistant garments and PPE, where applicable, are also tested and certified to **NFPA** (National Fire Protection Association) standards, which cover fire, electrical and related hazards. **ASTM** (American Society for Testing and Materials) test products for safety and our flame resistant garments and foot protection are tested and certified where applicable.

In addition, many of our products also carry the internationally recognized **CE marking**, meaning they conform with European health, safety, and environmental protection standards.



























MADE FOR WOMEN \$

FIT FOR PURPOSE

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





FEATURES

MARKET LEADING COMPONENTS AND DESIGN FEATURES

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

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



TECHNICAL PERFORMANCE

Sealed and welded seams



Reinforced panels

Triple-stitched seams



Hi-VisTex retroreflective tape lasts 50+ washes

40+ UPF protection

InsulatexPro™ lightweight thermal lining







COMFORT AND MOVEMENT

Innovative stretch fabrics

Underarm and back ventilation panels

Hi-VisTex Pro segmented tape



ENHANCED FUNCTIONALITY

ID card holders



Metal and glass fiber free

Touchscreen ready



INNOVATIVE PROTECTION

Innovative wire lace fastening systems



Peak View - Translucent peak and shell



ADJUSTABLE FIT

Hook and loop cuffs and wrist straps



Adjustable leg length

INNOVATIVE FABRIC FINISHES USED TO ENHANCE GARMENT PERFORMANCE.





TEXPEL WICK DRYING EFFECT

Quality wicking fabric finish enhances fabric drying and aids stain removal



TEXPEL SOS - STAIN-OIL-SPLASH

Premium stain resistant finish repels oil, water and grime



TEXPEL SPLASH

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





TEXPEL MICRO

Texpel Micro is a unique technology which inhibits the spread and growth of harmful microbes such as bacteria, fungi, spores and viruses.











Portwest PW3 $^{\text{TM}}$ contemporary workwear blends sports and lifestyle trends with function, a modern fit and improved comfort.

Utilizing premium fabrics, products are engineered for flexibility across a diverse range of industry and trades and offer exceptional value.



Made with 300 Denier 100% Polyester yarn, this is a tough fabric for tough conditions. 300D 5.5oz 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. 300D Oxford Weave is available with both a breathable (300D Breathable) and non-breathable (300D Industry) Polyurethane coating.





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



Portwest Extreme is a premium high performance, breathable rainwear fabric constructed from 100% Polyester, 300D Stretch Oxford 6oz and offers superior comfort, function and endurance in all weather conditions. Waterproof and wind proof to the highest standards, this fabric far exceeds the current highest industry requirements.



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





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



PERFORMANCE WORKWEAR

ALL WEATHER PROTECTION



PW367
PW3 HI-VIS 5-IN-1 JACKET



PW365 27 PW3 HI-VIS 3-IN-1 JACKET



PW369
PW3 HI-VIS WINTER PARKA
JACKET



PW360
PW3 HI-VIS EXTREME RAIN
JACKET



T400
PW3 HI-VIS WINTER
JACKET



T402 32 PW3 HI-VIS SOFTSHELL JACKET



PW342
PW3 HI-VIS EXTREME RAIN
PANTS



PW351 PW3 HI-VIS WINTER PANTS





CORPORATE CASUALS



T180 SHORT SLEEVE POLO SHIRT



T185 PW3 HI-VIS LONG SLEEVE T-SHIRT



T181 PW3 HI-VIS SHORT SLEEVE T-SHIRT



PW379
PW3 HI-VIS CREW NECK
SWEATSHIRT



PW370 SWEATSHIRT



T184 SW3 HI-VIS POLO SHIRT L/S

WORKWEAR



PW374
PW3 HI-VIS REVERSIBLE
BODYWARMER VEST



PW340
PW3 HI-VIS WORK
PANTS

CLASS 1



PW375
PW3 HI-VIS CLASS 1
SOFTSHELL JACKET



PW311 42 P PW3 HI-VIS CLASS 1 T-SHIRT



PW307
PW3 HI-VIS REMOVABLE
HOLSTER PANTS

ALL WEATHER PROTECTION



PW362 44
PW3 WINTER JACKET



T620 46 PW3 FLEX SHELL JACKET



T604 PW3 RAIN PANTS

WORKWEAR



T601 47 PW3 WORK PANTS



PW349 PW3 HOLSTER WORK SHORTS

HAND PROTECTION



350 A770 SENERAL UTILITY GLOVE



PW3 TRADESMAN GLOVE



351 A776 PW3 WINTER GLOVE

LUGGAGE





403 B950 PW3 70L WATER-RESISTANT DUFFLE BAG

WOMENS



30 PW382 PW3 HI-VIS WOMEN'S WINTER JACKET



PW386
PW3 HI-VIS WOMEN'S RAIN 31 PANTS



33 PW381 PW3 HI-VIS WOMEN'S SOFTSHELL



PW385
PW3 HI-VIS WOMENS'
STRETCH WORK PANTS



HEAD TO TOE CLASS 1 PROTECTION



BREATHABLE JACKET



Portwest Extreme™ is a premium high performance rainwearfabric constructed from 100% Polyester, 300D Stretch Oxford 6oz. Offering superior comfort, function and endurance in all weather conditions.

Waterproof, breathable and windproof to the highest standards, this fabric far exceeds the current highest industry requirements.



PW360



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

EN ISO 20471 CLASS 3 EN 343 CLASS 4:3 X

WP 11,000MM MVP 50,000G/M²/24HRS

- · Waterproof and breathable with sealed seams to prevent water penetration
- · Premium stain resistant finish repels oil, water and grime
- · Internal pockets for safe storage · Quick dry knitted cuff for a snug and
- comfortable fit Underarm pit zippers for enhanced
- breathability
- · Waterproof zippers to prevent water penetration

Portwest Extreme: 100% Polyester,

300D Stretch Oxford, with a stain resistant finish, PU Membrane, 6oz 100% Polyester Mesh, 2oz Yellow/Black S-4XL











QUICK DRY KNITTED CUFF

High Breathability MVP 50,000 G/M²/24hrs

Suitable for strenuous physical









BREATHABLE PANTS



PW342

PW3 HI-VIS EXTREME RAIN PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2 EN 343 CLASS 4:3 X

WP 11,000MM, MVP 50,000 G/M²/24HRS EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- · Waterproof and breathable with sealed seams to prevent water penetration
- · Premium stain resistant finish repels oil, water and grime
- · 8 pockets for ample storage
- · High cut padded back waistband keeps lower back warm
- · Side zipper leg opening for easy access
- · Ergonomically shaped hem for the perfect fit over boots

Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 6oz Yellow/Black S-4XL



HIGH VISIBILITY NEW PRODUCT OF THE YEAR -IMPROVING WORKPLACE SAFETY

















HS

PW369

PW3 HI-VIS WINTER PARKA JACKET

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

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15.000MM

EN 342 0.356 (M2.K/W), 2, X

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- Internal zipped pocket provides safe and secure storage
- Detachable quilt lined hood with optional faux fur trim to suit all weather conditions
- · Quick dry knitted cuff for a snug and comfortable fit
- · Underarm pit zippers for enhanced breathability

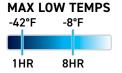
300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester, 2oz 100% Polyester, 6oz

Yellow/Black S-5XL







HEAVYWEIGHT QUILT LINING FOR EXTREME COLD





INSULATED

QUICK DRY KNITTED CUFF



















PW351

PW3 HI-VIS WINTER PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2 EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.356 (M².K/W), 2, X

40 UPF

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · 16 pockets for ample storage
- · Detachable bib and braces for greater versatility
- · Zip off holster pockets for added versatility
- · Side zipper leg opening for easy access



300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz



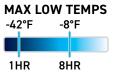
100% Nylon 5.5oz 100% Polyester, 2oz 100% Polyester, 5oz

Yellow/Black S-5XL

INSULATED WINTER PROTECTION



TOP-LOADING KNEE PAD POCKETS FOR QUICK AND **EASY ACCESS**







INSULATED













5-IN-1 BREATHABLE **JACKET**

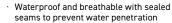


PW367



EN ISO 20471 CLASS 3 EN 343 CLASS 4:3 X

WP 10,000MM, MVP 10,000 G/M2/24HRS



- · Extremely water resistant fabric finish, water beads away from fabric surface
- · 10 pockets for ample storage
- Detachable ID pocket
- · Hook and loop cuffs for a secure fit
- · Two-way zipper for quick and easy access



Finish, 5.5oz Outer Jacket: 100% Polyester Mesh, 2oz Inner Jacket Body: 100% Polyester Fleece, 12oz

Inner Jacket Sleeves: 100%

Polyester, 2oz Yellow/Black S-5XL















INSULATED

DETACHABLE ID POCKET



TWIN-STITCHED

SEAMS FOR EXTRA DURABILITY

OUTER JACKET

OUTER JACKET WITH SLEEVELESS INNER JACKET

EASY GRIP PULLERS

ATTACHED TO ALL ZIPPERS

INNER JACKET WITH

BODYWARMER

BACK





5 WAYS TO **WEAR THIS GARMENT**



















OUTER JACKET



ORANGE/BLACK

BACK













WINTER JACKET





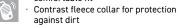
PW3 HI-VIS WINTER JACKET ANSI/ISEA 107 TYPE R CLASS 3

ANSI/ISEA 107 TYPE P CLASS 3 EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 WP 15.000MM

EN 342 0.323 (M2.K/W), 2, X



- · Waterproof with sealed seams preventing water penetration · Extremely water resistant fabric finish,
- water beads away from fabric surface Insulatex[™] heat reflective lining reflects heat back into the body ensuring
- maximum warmth and comfort · Detachable ID pocket
- · Quick dry knitted cuff for a snug and comfortable fit

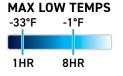


300D Industry: 100% Polyester,

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

300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz Yellow/Black S-6XL





UNCOMPROMISING INSULATED PROTECTION



BACK













WOMEN'S **WINTER JACKET**



ANSI

TYPE R CLASS 2

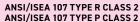


FOR WOMEN



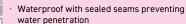
PW382

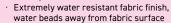
PW3 HI-VIS WOMEN'S WINTER JACKET



EN ISO 20471 CLASS 2 EN 343 CLASS 3:1 X **UPF** WP 15,000MM

EN 342 0.323 (M2.K/W), 2, X





· Detachable ID pocket

· Quick dry knitted cuff for a snug and comfortable fit

· Contrast fleece collar for protection against dirt

· Curved back hem for added protection

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

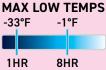
100% Polyester, 2oz 100% Polyester, 5oz Yellow/Black XS-3XL

























COMBINE **WITH PW386 WOMEN'S PANTS FOR ANSI CLASS 3**

PW386



ANSI CLASS E

WOMEN'S RAIN PANTS





PW386

PW3 HI-VIS WOMEN'S RAIN PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2 EN 343 CLASS 3:1 X WP 15.000MM

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish,
- water beads away from fabric surface · Multiple side zipper compartments for secure storage
- · Rule pocket
- · Contrast panels for protection against dirt
- · Side zipper leg opening for easy access

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

Yellow/Black XS-XXL



REINFORCED PANELS

DESIGNED FOR WOMEN TO REDUCE THE RISK **OF TRIPPING AND SNAGGING AND TO INCREASE COMFORT,** WHILE KEEPING YOU VISIBLE AND DRY.











SOFTSHELL JACKET



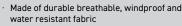
T402

PW3 HI-VIS SOFTSHELL JACKET

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

EN ISO 20471 CLASS 3 WATERPROOF / BREATHABILITY WP 8.000MM, MVP 3.000G/M2/24HR





- · Extremely water resistant fabric finish, water beads away from fabric surface
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Side zipper pockets
- · Concealed cell phone pocket
- · Curved back hem for added protection



94% Polyester, 6% Elastane laminated with 100% Polyester Micro Polar

Fleece, 9oz
Yellow/Black S-6XL







DRAWCORD ADJUSTABLE HEM

BACK









WOMEN'S SOFTSHELL JACKET



PW3 HI-VIS WOMEN'S SOFTSHELL

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2
WATERPROOF / BREATHABILITY WP
8.000MM, MVP 3.000G/M2/24HR

£80

· Made of durable breathable, windproof and water resistant fabric

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

 Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

Side zipper pockets

· Concealed cell phone pocket

· Quick dry elastic bound cuff

94% Polyester, 6% Elastane laminated with 100% Polyester Micro Polar Fleece, 9oz

Yellow/Black XS-XXL



RESISTANT



BACK

CURVED BACK HEM

DRAWCORD ADJUSTABLE HEM











INSULATED

CONCEALED

CELL PHONE

PREMIUM STAIN RESISTANT FINISH

REPELS OIL, WATER AND GRIME

POCKET

REVERSIBLE BODYWARMER VEST



ANSI

CLASS 2



PW374

PW3 HI-VIS REVERSIBLE HS BODYWARMER VEST

ANSI/ISEA 107 TYPE O CLASS 1 SIZE S-M ANSI/ISEA 107 TYPE R CLASS 2 SIZE L-3XL EN ISO 20471 CLASS 2 SIZE L-3XL EN ISO 20471 CLASS 1 SIZE S-M











· Durable polyester/cotton fabric with Texpel™ stain resistant finish

- · Heavyweight quilt lining for maximum thermal insulation
- \cdot 6 pockets for ample storage
- · Reversible garment for multi use
- · D-ring for keys or ID cards
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

Kingsmill: 65% Polyester, 35% Cotton, 7oz 100% Polyester, 9oz

Yellow/Black S-3XL

REVERSIBLE GARMENT FOR MULTI USE







BACK









ANSI TYPE R CLASS 2 ANSI TYPE P CLASS 2

VEST





PW309

PW3 HI-VIS EXECUTIVE VEST

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

- · Lightweight and comfortable
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- Front zipper opening for easy access
- · 7 pockets for ample storage
- · Cell phone pocket
- · Pen pocket

100% Polyester, Warp Knit, 3.5oz

SEGMENTED REFLECTIVE TAPE ALLOWS FOR INCREASED VISIBILITY AND MOBILITY







SWEATSHIRT

HS

PW370

PW3 HI-VIS SWEATSHIRT

ANSI/ISEA 107 TYPE R CLASS 2 SIZES S-M ANSI/ISEA 107 TYPE R CLASS 3 SIZES L-5XL

EN ISO 20471 CLASS 2 SIZES S-M EN ISO 20471 CLASS 3 SIZES L-5XL

- · Knitted fabric with brushed backing
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · 3 pockets for ample storage
- · Cell phone pocket
 - Side pockets
 - · Rib collar and cuffs

100% Polyester, 8oz



5XL



PW379

PW3 HI-VIS CREW NECK
HS SWEATSHIRT

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

EN ISO 20471 CLASS 2 SIZE: S

EN ISO 20471 CLASS 3 SIZES: M-4XL

- \cdot Knitted fabric with brushed backing
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Stylish unisex design for multi functional use
- · Designed with a comfort fit
- · Crew neck
- \cdot Ribbed cuffs for warmth and comfort

65% Polyester, 35% Cotton, 9oz









T184

PW3 HI-VIS LONG SLEEVE POLO SHIRT



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

EN ISO 20471 CLASS 3



- · High cotton content for superior comfort
- · Moisture wicking fabric helping to keep the body warm, cool and dry
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Chest pocket
- · Loop at placket ideal for attaching glasses/ pens
- · Side vents for added comfort

55% Cotton, 45% Polyester, Knit, 5oz







POLO SHIRT S/S



T180

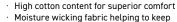


PW3 HI-VIS SHORT SLEEVE POLO SHIRT

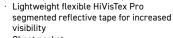
ANSI/ISEA 107 TYPE R CLASS 2 **ANSI/ISEA 107 TYPE P CLASS 2** EN ISO 20471 CLASS 2



[1]



the body warm, cool and dry



- · Chest pocket
- · Loop at placket ideal for attaching glasses/pens
- · Side vents for added comfort

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



LW72 WOMEN'S STYLE

ANSI









T-SHIRT L/S



T185



PW3 HI-VIS LONG SLEEVE T-SHIRT **ANSI/ISEA 107 TYPE R CLASS 3**



ANSI/ISEA 107 TYPE P CLASS 3

EN ISO 20471 CLASS 3



- · High cotton content for superior comfort
- · Moisture wicking fabric helping to keep the body warm, cool and dry
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Chest pocket
- · Crew neck
- · Side vents for added comfort

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







T-SHIRT S/S



T181



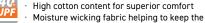
PW3 HI-VIS SHORT SLEEVE T-SHIRT



ANSI/ISEA 107 TYPE R CLASS 2 **ANSI/ISEA 107 TYPE P CLASS 2**



EN ISO 20471 CLASS 2





body warm, cool and dry Lightweight flexible HiVisTex Pro segmented reflective tape for increased



- · 1 pocket for secure storage
- · Crew neck
- · Side vents for added comfort

55% Cotton, 45% Polyester, Knit, 5oz











WORKWEAR PANTS



HIGH RISE BACK WAISTBAND



PW340

PW3 HI-VIS WORK PANTS ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2

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



- · Durable polyester/cotton fabric with Texpel™ stain resistant finish
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- $\cdot~$ 10 pockets for ample storage
 - Double rule pocket
 - · Triple-stitched seams for extra durability
 - · Reinforced panels in high wear areas for maximum durability

Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 9oz 100% Polyester Oxford 600D 6oz

Yellow/Black, Waist 28" to 48"
Regular leg 31" adjustable to tall leg 33"











TRIPLE STITCHED SEAMS FOR MAXIMUM STRENGTH





WITH THIS STYLE









STRETCH WOMEN'S PANTS



PW385

PW3 HI-VIS WOMEN'S HS STRETCH WORK PANTS

ANSI/ISEA 107 CLASS E EN ISO 20471 CLASS 2

EN 14404:2004+A1:2010 TYPE 2 LEVEL 0



- · 2-way twill stretch fabric for ease of movement and added comfort
- · Adjustable hem to accommodate all leg lengths
- · 10 pockets for ample storage
- · Easy access cargo pocket
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Reinforced panels in high wear areas for maximum durability



Kingsmill Poly-cotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 7oz

100% Polyester Oxford 600D 6oz Yellow/Black, Waist 26"(4) to 38"(20) Regular leg 29" adjustable to Tall leg 31"

> TOP-LOADING KNEE PAD **POCKETS**

USING STRETCH FABRIC FOR A COMFORTABLE **WOMEN'S FIT**









ANSI

CLASS E



NEW

YELLOW/BLACK



TYPE O

CLASS 1

ANSI

CLASS 1 T-SHIRT



PW311

PW3 HI-VIS CLASS 1 T-SHIRT ANSI/ISEA 107 TYPE 0 CLASS 1

EN ISO 20471 CLASS 1

- · High cotton content for superior comfort
- · Moisture wicking fabric helping to keep the body warm, cool and dry
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
 - · Crew neck
 - · Designed with a comfort fit
 - · Side vents for added comfort

55% Cotton, 45% Polyester, Knit, 5oz Black/Yellow XS-4XL









CLASS 1 SOFTSHELL



PW375

PW3 HI-VIS CLASS 1 SOFTSHELL JACKET **ANSI/ISEA 107 TYPE 0 CLASS 1**

EN ISO 20471 CLASS 1

WATERPROOF / BREATHABILITY WP 8.000MM, MVP 3.000G/M2/24HR

· Made of durable breathable, windproof and water resistant fabric

- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Side zipper pockets
- · Concealed cell phone pocket
- · Mic tabs for easy clipping of a radio

· Drawcord adjustable hem

94% Polyester, 6% Elastane laminated with 100% Polyester Micro Polar Fleece, 9oz

Black/Yellow XS-4XL











CLASS E HOLSTER PANTS



PW307

PW3 HI-VIS REMOVABLE HOLSTER PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 1

- · Durable polycotton fabric for high performance and maximum wearer comfort
 - · Concealed drop down ID holder on holster pocket
 - · 12 pockets
- · Knee pad pockets to facilitate knee pads
 - · Zip off holster pockets for added versatility
 - · Heat applied segmented reflective tape for added visibility



Kingsmill: 65% Polyester, 35% Cotton, 9oz Yellow/Black, Waist 28" to 48" Regular leg 31" adjustable to Tall leg 33"



TOP-LOADING KNEE PAD POCKETS

> REINFORCED **PANELS**



FREE KNEEPADS WITH THIS STYLE





WINTER JACKET



Insulatex[™] heat reflective lining reflects heat back into the body ensuring maximum warmth and comfort.



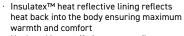
PW362

PW3 WINTER JACKET

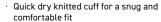
EN 343 CLASS 3:1 X WP 20,000MM



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



Hook and loop cuffs for a secure fit



· Reflective trim for increased visibility and safety

· Curved back hem for added protection

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 100% Polyester, 2oz

100% Polyester, 5oz

Black S-3XL













Suitable for those working outdoors in extreme weather conditions, wind









RAIN PANTS



T604 **PW3 RAIN PANTS**





- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Fully elasticated waistband for ultimate wearer comfort
- · Easy access cargo pockets
- · Knee pad pockets to facilitate knee pads
- Side zipper leg opening for easy access
 Ergonomically shaped hem for the perfect fit over boots

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

















FLEX SHELL JACKET



PW)=

PW3 FLEX SHELL

Portwest PW3™ Flex Shell fabric is the latest evolution of softshell fabrics to deliver maximum performance and protection from the weather.

This highly durable 3-layer laminate fabric is water repellent and windproof with a stretch finish. Incredible suppleness offers outstanding user comfort. With low weight to high warmth ratio, the soft mesh inner face feels dry and comfortable next to the skin during extended periods of wear.



T620

PW3 FLEX SHELL JACKET

WATERPROOF / BREATHABILITY WP 5,000MM, MVP 3,000G/M²/24HR



- · Made of durable breathable, windproof and water resistant fabric
- · Side zipper pockets
- · Quick dry elastic bound cuff
- · Reversed zipper for convenient opening/
- · Reflective trim for increased visibility and safety
- · Drawcord adjustable hem

100% Polyester laminated to 100% Polyester Mesh, 5.5oz

Black S-3XL, Black/Zoom Gray S-3XL



BLACK

ADVANCED TRIPLE DRY MEMBRANE TECHNOLOGY (3L)





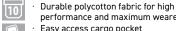
WORKWEAR PANTS

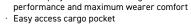


T601

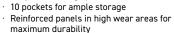
PW3 WORK PANTS

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















· Adjustable hem to accommodate all leg lengths

Kingsmill: 65% Polyester, 35% Cotton, 9oz





ZOOM GRAY/ BLACK

TOP-LOADING KNEE PAD **POCKETS**





FREE KNEEPADS WITH THIS STYLE









STRETCH WOMEN'S **PANTS**





PW380

PW3 WOMENS' STRETCH WORK PANTS

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



· 2-way twill stretch fabric for ease of movement and added comfort



· Reinforced panels in high wear areas for maximum durability



· 10 pockets for ample storage



· Double rule pocket · Side elastic waist for ultimate wearer comfort



· Free pair of kneepads included with these pants



Kingsmill Poly-cotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane,



100% Polyester Oxford 600D 6oz
Black, Waist 26"(4) to 38"(16) Regular leg 29" adjustable to Tall leg 31"



FRONT

BACK



FREE KNEEPADS WITH THIS STYLE













PW349

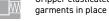
PW3 WORK SHORTS



- · Durable polycotton fabric for high performance and maximum wearer comfort $\cdot\,$ Reinforced panels in high wear areas for maximum durability
- · 7 pockets for ample storage



- · Easy access cargo pockets
- Adjustable hem to accommodate all leg lengths
 Gripper elasticated inner waistline helping keep upper body







BLACK











ENHANCED PERFORMANCE

WORKWEAR







Iona™ Plus is the latest evolution of performance workwear to deliver maximum performance, comfort and functionality.

Products are designed to offer enhanced user visibility with lightweight flexible HiVisTexTM Pro segmented reflective tape and contrast fluorescent trim. A selection of complementary designs and advanced construction techniques have been used, guaranteeing flexibility and ultimate wearer durability.



Made with 300 Denier 100% Polyester yarn, this is a tough fabric for tough conditions. 300D 5.5oz 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. 300D Oxford Weave is available with both a breathable (300D Breathable) and non-breathable (300D Industry) Polyurethane coating.



The high visibility MeshAir fabric is lightweight and fully breathable making it ideal for working in warmer conditions. The open mesh fabric uses an advanced open knit construction which provides full airflow around the body and excellent ventilation. The MeshAir high visibility fabric is fully tested and certified to EN20471.



Texpel $^{\text{TM}}$ Wicking is a premium fabric finish which wicks moisture away from the skin to keep you fresh and comfortable. Offering powerful protection from stains, the fabric blocks bad odors and provides enhanced breathability.



HiVisTex™ Pro retro reflective tape with contrast fluorescent trim offers excellent freedom of movement due to its segmented construction. Lightweight and flexible this high performance heat applied tape has thousands of glass beads per inch squared which work like thousands of tiny mirrors reflecting light back towards its source.



WINTER JACKET



INSULATED WITH INSULATEX LINING

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.



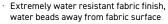
F144

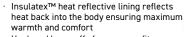
IONA PLUS WINTER JACKET

NON ANSI

EN 343 CLASS 3:1 X WP 20,000MM









- \cdot Reflective trim for increased visibility and safety
- Quick dry knitted cuff for a snug and comfortable fit
- · Curved back hem for added protection

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester, 2oz 100% Polyester, 5oz Black S-5XL

















PRINT ACCESS FOR CORPORATE BRANDING

QUILT LINED



SIDE ELASTIC WAIST

WORKWEAR PANTS

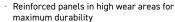


F142

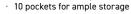
IONA PLUS WORK PANTS NON ANSI



· Durable polycotton fabric for high performance and maximum wearer comfort



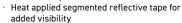






Adjustable hem to accommodate all leg lengths







Kingsmill: 65% Polyester, 35%



Cotton, 9oz Black, Waist 28" to 48" Regular leg 31" adjustable to Tall leg 33"

> TRIPLE-STITCHED SEAMS

> > REFLECTIVE PIPING

TOP-LOADING KNEE PAD POCKETS FOR QUICK AND EASY **ACCESS**



ENGINEERED FOR ACTIVE WORK





LEG LENGTHS



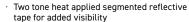
ZIPPED HOODIE AND POLO SHIRT



F143

IONA PLUS HOODIE NON ANSI

IS NO





- · 2 pockets for secure storage
- Hood for added protection against the elements
- · Front zipper opening for easy access
- · Two lower patch pockets
- · Ribbed cuffs for warmth and comfort

65% Polyester, 35% Cotton, 9oz

SUPERIOR BRUSHED EASY CARE FABRIC





TWO LOWER PATCH POCKETS





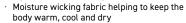


F140 IONA PLUS POLO SHIRT



 Two tone heat applied segmented reflective tape for added visibility







 Tape free pocket ideal for corporate branding



NON ANSI

- Loop at placket ideal for attaching glasses/ pens
- · Ribbed Collar
- · Side vents for added comfort

100% Polyester, 4.5oz

SEGMENTED REFLECTIVE TAPE ALLOWS FOR INCREASED VISIBILITY





AND MOBILITY







T-SHIRT AND VEST



S396 IONA PLUS SHORT SLEEVE T-SHIRT

HS NON ANSI



- Two tone heat applied segmented reflective tape for added visibility
- · Moisture wicking fabric helping to keep the body warm, cool and dry
- Tape free pocket ideal for corporate branding
- · Mic tabs for easy clipping of a radio
 - Sealed neck seam for extra comfort
 - New Colors

100% Polyester, Bird Eye Kini, 4.332 Royal Blue S-6XL, Red S-6XL, Black S-6XL 💢 100% Polyester, Bird Eye Knit, 4.5oz





NON ANSI











S346 IONA PLUS LONG SLEEVE T-SHIRT **NON ANSI**

HS

- · Two tone heat applied segmented reflective tape for added visibility
- · Moisture wicking fabric helping to keep the body warm, cool and dry



- · 1 pocket for secure storage
- Tape free pocket ideal for corporate branding
- Mic tabs for easy clipping of a radio
 - · Sealed neck seam for extra comfort

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







NON ANSI





US391 IONA PLUS MESH VEST







- · Mic tabs for easy clipping of a radio
- · Internal pockets for safe storage
- Cell phone and pen holder pocket
- · Front zipper opening for easy access
 - · Reflective tape for increased visibility

MeshAir Pro: 100% Polyester Mesh, 3oz Black S-6XL, Bottle Green S-6XL, Royal Blue S-6XL, Red S-6XL





BREATHABLE MESH FABRIC





NON ANSI

CELL





ACTIVE STREET K S ACTIVE STRI WORKWEAR







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

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





Portwest's innovative two way Kingsmill™ Polycotton Flex fabric is constructed from 65% polyester, 35% cotton. This premium workwear fabric offers excellent abrasion and tear resistant properties whilst the mechanical stretch function ensures full ease of movement for the wearer. A UPF rating of 50+ on this fabric blocks 98% of the UV rays.





Kingsmill™ Cotton Flex is a premium cotton stretch fabric. A blend of 98% cotton and 2% elastane provides the ultimate in comfort and flexibility. The high cotton content gives an ultra soft handle, and the added elastane delivers ease of movement. The long staple fibers used in the construction process provide strength, excellent pilling resistance and a superior finish. This fabric has a UPF rating of 50+ to block 98% of UV rays.





ACTIVE STREET WORKWEAR



KX360 **KX3 PARKA JACKET**



KX361 61 **KX3 BOMBER JACKET**



KX362 KX3 HOODED SOFTSHELL (3L)



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



T832 64 KX3 HYBRID BAFFLE JACKET



KX371 65 **KX3 BORG FLEECE**



T830 66-**KX3 PERFORMANCE FLEECE**



RIPSTOP LONG SLEEVE SHIRT



KX370 68 **KX3 PLAID WORK SHIRT**



KX3 RIPSTOP FLEX PANTS







PARKA JACKET



KX360

KX3 PARKA JACKET

EN 343 CLASS 3:1 X WP 10,000MM, MVP 2,800G/M²/24HR



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



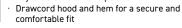
 \cdot Quilt lined for thermal insulation · Internal pockets for safe storage



Inner storm cuffs with adjustable touch tape for a secure fit



· Adjustable waist for a perfect fit



100% Polyester TPU, 5oz 100% Polyester, 190T Taffeta, 1.5oz

Body: 100% Polyester, 4oz Sleeves: 100% Polyester, 2oz

Black S-3XL, Gray Marl S-3XL

UNCOMPROMISING INSULATED PROTECTION



HIGH PERFORMANCE WATERPROOF PROTECTION



BACK HEM









KNITTED CUFFS

AND HEM



KX361



EN 343 CLASS 3:2 X WP 10,000MM, MVP 2,800G/M²/24HR



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



Waterproof with sealed seams preventing water penetration

PRINT ACCESS



- Side zipper pockets
- Cell phone pocket
- · Inner ribbed cuffs for warmth and comfort
- · Elasticated hem for a secure and comfortable fit

100% Polyester TPU, 5oz 100% Polyester, 190T Taffeta, 1.5oz Black S-3XL









SOFTSHELL 3 LAYER

GROWN ON HOOD IS Stylish and practical



KX362

KX3 HOODED SOFTSHELL (3L)

WATERPROOF / BREATHABILITY
WP 8,000MM, MVP 3,000G/M²/24HR



- · Made of durable breathable, windproof and water resistant fabric
- Ripstop fabric to ensure durability and resistance to tearing and ripping
- · Contemporary design with clean cut lines
- · Side zipper pockets
 - · Hook and loop cuffs for a secure fit
 - Pre-bent sleeves allow for increased freedom of movement

92% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 9oz

Black/Gray S-3XL, Black S-3XL



SOFT WAFFLE FLEECE LINING FOR MAXIMUM COMFORT AND WARMTH

ADVANCED TRIPLE DRY MEMBRANE TECHNOLOGY (3L)







BLACK

BACK







HYBRID BAFFLE JACKET



INSULATED WITH INSULATEX LINING

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.



T832

KX3 HYBRID BAFFLE JACKET



- · Body-mapped design helps balance insulation and increase freedom of movement
- · Knitted fabric with brushed backing
- · Internal pocket for safe storage
- · Elastic bound hem and cuffs for comfort and warmth
- · Reinforced panels in high wear areas for maximum durability
- · Chin guard for added comfort and stability

100% Nylon, 2oz 100% Polyester Weft Knit with

Brushed Back, 9oz

Insulatex Lining, 3.5oz Gray Marl S-3XL

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



BACK





FLEECE JACKET



KX371

KX3 BORG FLEECE



- · Reinforced panels in high wear areas for maximum durability
- · Contemporary design with an ergonomic cut
- · Zipper pockets
- · Dropped back hem for better coverage
- · Chin guard for added comfort and stability
- · Front zipper opening for easy access

100% Polyester Fleece, 9oz 100% Nylon, 3oz







DURABLE WATER
RESISTANT OVERLAY
IDEAL FOR OVERBRANDING



FLEECE JACKET



T830



- · Knitted fabric with brushed backing
 - · Reinforced panels in high wear areas for maximum durability
 - · Internal pockets for safe storage
 - · Dropped back hem for better coverage
 - · Front zipper opening for easy access
 - · Chin guard for added comfort and stability

100% Polyester Weft Knit with Brushed Back, 9oz 94% Polyester, 6% Elastane, 9oz

S-3XL



INTERNAL **POCKETS**













PANTS AND SHORTS

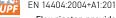
TWIN-STITCHED SEAMS





KX3 RIPSTOP FLEX PANTS

EN 14404:2004+A1:2010



- Flex ripstop provides superior comfort and increased freedom of movement
- Lower back leg pocket provides quick access whilst kneeling and bending
- 14 pockets for ample storage
- Zipper fly with Portwest branded snap button
- Pre-bent knees allow for increased freedom of movement
- · Webbing belt loops for extra durability

Kingsmill Poly-cotton Flex: 65% Polyester, 35% Cotton Ripstop Weft Stretch, 7oz

Black, Dark Navy, Sand, 28" to 48" with adjustable leg length from Reg (31") to Tall (33")



BACK



FLEX RIPSTOP **PROVIDES SUPERIOR** COMFORT







DARK NAVY



KX340



- Flex ripstop provides superior comfort and
- increased freedom of movement
- 11 pockets for ample storage
 - Contemporary design with an ergonomic cut
 - Handy zipper side thigh pocket
 - Webbing belt loops for extra durability
 - Zipper fly with Portwest branded snap button

Kingsmill Poly-cotton Flex: 65% Polyester, 35% Cotton Ripstop Weft Stretch, 7oz

Dark Navy 30" to 42"









WORK SHIRT





KX370

KX3 PLAID WORK SHIRT

- · Made from 100% cotton fabric for added comfort and breathability
- · Button front closure
- · Pen pocket
- · 2 pockets for secure storage
- · 40+ UPF rated fabric to block 98% of UV rays
- · Mic tab for easy clipping of radio (singular)

100% Cotton, 5oz 65% Polyester, 35% Cotton 5.5oz Brown Check S-3XL

SUPERIOR BRUSHED **COTTON FABRIC**







LONG SLEEVE SHIRT



S130

RIPSTOP LONG SLEEVE SHIRT

- \cdot Ripstop fabric to ensure durability and resistance to tearing and ripping
- · Underarm cool flow mesh panel for ventilation
- · 2 pockets for secure storage
- · Mic tabs for easy clipping of a radio
- · 40+ UPF rated fabric to block 98% of UV

Kingsmill Poly-cotton Flex: 65%
Polyester, 35% Cotton Ripstop Weft Stretch, 5.5oz

Black S-3XL, Dark Navy S-3XL,

Sand S-3XL

STRETCH RIPSTOP **PROVIDES SUPERIOR COMFORT**



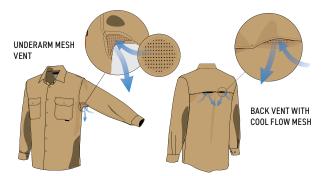
SAND



BLACK

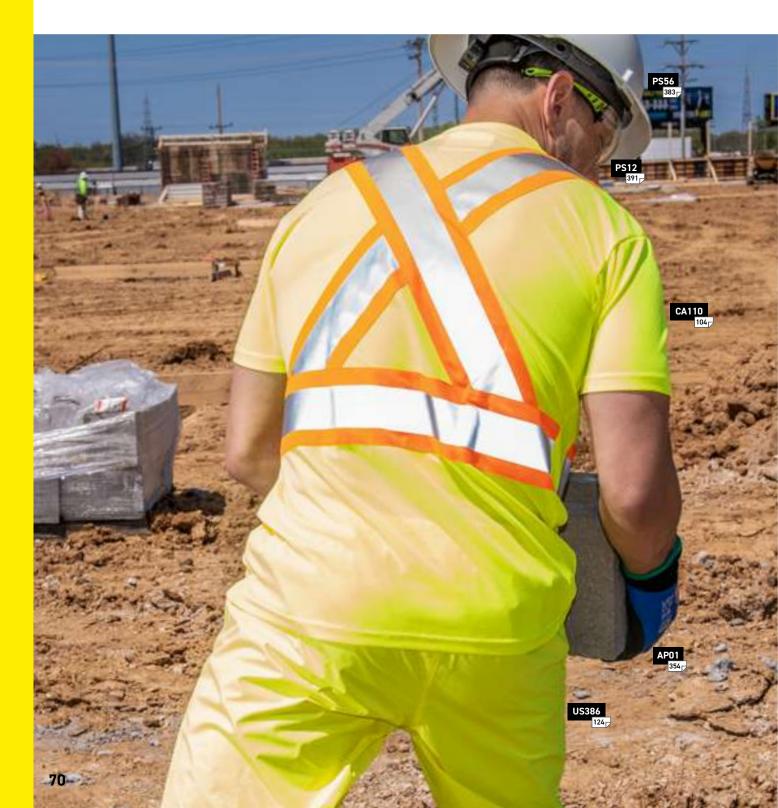








HIGH VISIBILITY



INDUSTRY LEADING FABRICS

This extensive range of high visibility apparel meets the stringent requirements in both design and construction, to ensure compliance with the latest ANSI/ISEA 107 high visibility standard. At Portwest, every roll of tape and fabric are tested to ensure they meet and exceed the ANSI/ISEA standard requirements.



Portwest Extreme is a premium high performance, breathable rainwear fabric constructed from 100% Polyester, 300D Stretch Oxford 6oz and offers superior comfort, function and endurance in all weather conditions. Waterproof and wind proof to the highest standards, this fabric far exceeds the current highest industry requirements.



Made with 300 Denier Oxford Weave 100% Polyester yarn, this 190g fabric has superb abrasion and tear resistance. The double coating of polyurethane (PU) makes the fabric highly durable and waterproof. And the outer has a water and stain repellent finish. Available in 300D Breathable and 300D Industry (non-breathable).





Made with 150 Denier Oxford Weave 100% Polyester yarn, this 150D fabric is abrasion and tear resistant. The PVC coating makes the fabric durable and waterproof and has a water repellent finish.



Made with 190T plain weave 100% polyester yarn, this fabric is strong and rugged with great abrasion resistance. The PVC coating makes the fabric waterproof and the water repellent finish increases the water resistance.



SealtexTM 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.



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.



The high visibility MeshAir fabric is lightweight and fully breathable making it ideal for working in warmer conditions. The open mesh fabric uses an advanced open knit construction which provides full airflow around the body and excellent ventilation. The MeshAir high visibility fabric is fully tested and certified to EN20471.

HIGH VISIBILITY TESTED TO EXCEED STANDARDS

Can you be sure your garment conforms to ANSI/ISEA 107?

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

However, in our factories, we test every roll of fabric and retroreflective tape with highly specialized equipment to guarantee that all production meets the ANSI/ISEA 107 standard, not just the garment that was sent to the test house.

ANSI/ISEA 107 states the retroreflectometer reading should not be below 330 (cd/lx.m 2) however we insist on a reading of 400 (cd/lx.m 2) plus.

Fabric Testing

In our quality control laboratory, we use a Minolta Spectrophotometer to check every roll of fabric. This guarantees the fabric we use is fully compliant with the ANSI/ISEA 107 standard.



RETRO REFLECTIVE TAPE





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

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

Reflective properties that last 50 domestic washes

The minimum requirement for washability under ANSI/ISEA 107 is 5 washes.

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

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



HIGH VISIBILITY SAFETY APPAREL

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.

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.

> ANSI TYPE O CLASS 1

CLASS 1 (TYPE 0) is worn in non-complex work areas in which vehicles will not be moving at roadway speeds.

ANSI TYPE R CLASS 2

ANSI TYPE P CLASS 2 CLASS 2 (TYPE R OR P) uses more high visibility material than Class 1 which allows the HVSA to define the human more effectively.

ANSI TYPE R CLASS 3

ANSI TYPE P CLASS 3 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.

ANSI

CLASS E

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.

CLASS IDENTIFIER ICONS

These symbols indicate that the garment is tested and is compliant with ANSI/ISEA -107, the American National Standard for High Visibility Safety Apparel and Headwear. Each symbol denotes the garment type and the performance class associated with each garment.

ANSI TYPE O CLASS 1

ANSI TYPE R CLASS 2

ANSI **TYPE P** CLASS 3

ANSI

CLASS E





HIGH VISIBILITY SAFETY APPAREL



TYPE R CLASS 3

Must incorporate a minimum of 1240 in² of background material and 310 in² of retroreflective materials.

URT30



TYPE R CLASS 2

Must incorporate a minimum of 775 in² of background material and 201 in² of retroreflective materials.

US380



TYPE 0 CLASS 1

Must incorporate a minimum of 217 in² of background material and 155 in² of retroreflective materials.

S479



CLASS E SUPPLEMENTAL

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

E043

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	217in² (0.14m²)	155in² (0.10m²)	1in. (25mm)
Type R Roadway and Temporary Traffic Control Zones	Class 2*	775in² (0.50m²)	201in² (0.13m²)	1in. (25mm) 1.38in. (35mm)
	Class 3**	1240in² (0.80m²)	310in² (0.20m²)	1in. (25mm) 2in. (50mm)
Type P Emergency and Incident Responders and Law Enforcement Personnel	Class 2	450in² (0.29m²)	201in² (0.13m²)	1in. (25mm) 2in. (50mm)
	Class 3	775in² (0.50m²)	310in² (0.20m²)	1in. (25mm) 2in. (50mm)
Supplemental Items	Class E	465in² (0.30m²)	109in² (0.07m²)	1in. (25mm) 2in. (50mm)

*For the smallest size in Type R, Class 2, a minimum of 0.35 m² (540 in²) of background material may be used to accommodate small-sized workers. All subsequent larger sizes must use 0.50 m² (775 in²).



EN343 is the European standard that applies to garments worn in adverse weather conditions. This standard specifies requirements and test methods applicable to the materials and seams of protective clothing against the influence of precipitation (e.g. rain, snowflakes), fog and ground humidity.



EN342 is the European standard that applies to garments worn in cold environments. This standard specifies requirements and test methods for the performance of clothing ensembles (i.e two-piece suits/coveralls) for protection against the effects of cold environments equal to or below -5°C (23°F).

^{**}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).

MAKING OUR GARMENTS WATERPROOF

Waterproofing our fabric

STEP 1-

Preventing water penetration by one of two methods; applying a durable water repellent membrane or a double coating of polyurethane (PU). Both methods ensure the garment is waterproof and breathable.

STEP 2

We apply our fabric finish, Durable Water Repellent (DWR), which ensures the water rolls up and beads off the fabric, avoiding water build up.



WATERPROOF MEMBRANE

Portwest Extreme[™] uses a waterproof and breathable membrane, a durable water repellent (DWR) finish on face fabric and a breathable backing fabric. These combined technologies allow moisture to escape, while preventing water penetration.



DOUBLE PU COATING

Our 300D fabrics use a double coating of polyurethane (PU) for guaranteed waterproofness. Our application process creates microscopic holes which let perspiration out but doesn't allow water droplets in.



WATER REPELLENT FINISH

Texpel™ SOS, Splash, Oil and Stain is a premium fabric finish which repels oil and liquids, causing them to bead up and roll off the fabric surface. Texpel™ Splash is an extremely water resistant fabric finish.







Adding comfort and performance

STEP 3

Sealing or welding the seams is required to create a fully waterproof garment.

Our designers add feature enhancements to the garments for maximum comfort and functional performance.



SEALED OR WELDED SEAMS

Sealed Seams:

A seal tape is applied to a seam on the inside, to stop water entering through the stitching.

Welded Seams:

A stiched seam is made using high frequency welding techniques to make it watertight.



ENHANCED FEATURES

- · Specially engineered watertight pockets
- Durable waterproof zippers
- Adjustable openings to facilitate ventilation
- Double stormflap for protection against driving wind and rain
- Engineered hood, hems and sleeve cuffs to ensure precise fit and keep the water out







MM **WATER RESISTANT LEVEL**







Above 20,000mm

Highly Waterproof



Waterproof

5,000mm

moderate rain.



The minimum rating for a jacket to be called rainproof, suitable for working in occasional light to



10,000 - 15,000mm

Will withstand moderate to heavy rain but may soak through if subjected to pressure such as kneeling in very wet conditions.

Very Waterproof

Suitable for those working outdoors in extreme weather conditions, wind and heavy rain.

Water Resistant Level

MVP BREATHABILITY LEVEL



Low Breathability 3,000 - 10,000 G/M²/24hrs

Suitable for tasks where light physical activity causes minimal perspiration.



Medium Breathability 10,000 - 20,000 G/M²/24hrs

Suitable for moderate to high level of physical work where breathability of rainwear is necessary to maintain a comfortable body temperature.



High Breathability Above 20,000 G/M²/24hrs

Suitable for a high level of physical work. Perspiring heavily will require rainwear this breathable.

Breathability Level

THE MOST ADVANCED EN 343 COMPLETE GARMENT TEST

EN 343 PROTECTIVE CLOTHING, PROTECTION AGAINST RAIN

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

The standard provides 2 performance parameters and an optional test:

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

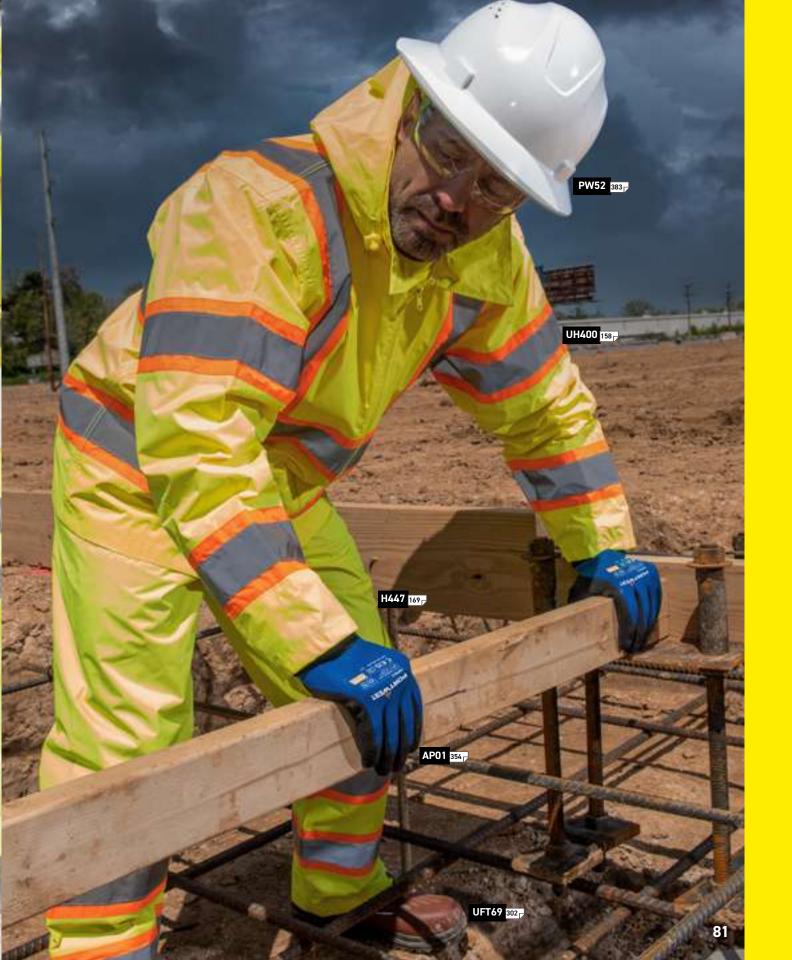
READYMADE GARMENT RAIN TOWER TEST

EN 14360 PROTECTIVE CLOTHING - TEST METHOD FOR READYMADE GARMENTS

Impact from above with high energy droplets.

Garments are placed over data sensitive recording manikins and exposed to rainfall simulation of 450 liters/m2/h for a minimum of one hour.





EN 343 PROTECTION AGAINST RAIN



EN 343 PROTECTION AGAINST RAIN

BOMBER - CLASS 3:1 US463 URT32 US363 BIB AND BRACE / PANTS - CLASS 4:3 PW342 S488 S493

COVERALL / BIB AND BRACE / PANTS - CLASS 3:1





TESTED TO PERFORM IN **EXTREME COLD**

EN 342 STANDARD AND THERMAL MANIKIN TESTING



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

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

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



PROTECTS YOU AT TEMPERATURES -47°F AS LOW AS





EN 342 PROTECTION AGAINST COLD

PARKA MULTI-SEASONAL 127 US427 US768

BOMBER MULTI-SEASONAL UC465 UC465 UC466

PARKA





BOMBER



BOMBER - WORKWEAR









F2732 PROTECTION AGAINST COLD





CONTRAST TAPE

Superior contrast tape styles that combine bright fluorescent fabric with retroreflective tape for maximum day and night visibility.



X BACK TAPE



PUBLIC SAFETY



WOMEN'S





VESTS

New additions to our extensive selection of vests include a contrast tape X BACK vest, more colorways in our executive vests and enhanced visibility vests, and the introduction of an eco-conscious vest. This section also includes full mesh, breakaway, public safety and flame resistant vests.



Our high visibility MeshAir is an advanced open knit fabric construction which provides full airflow around the body and excellent ventilation. It is lightweight and fully breathable, making it ideal for working in warmer conditions.





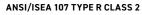


ANSI TYPE R CLASS 2





US381 FRISCO CONTRAST VEST



- · MeshAir aerated mesh fabric to increase air flow
- Chest pockets
- · Pen pocket
- · Internal pockets for safe storage
- · 4 pockets for ample storage
- · Available in sizes up to 5XL

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz



US392 WOMEN'S HI-VIS CONTRAST TAPE VEST



- · Solid polyester front for durability and mesh back for increased breathability
- · Adjustable waist for a perfect fit
- · Cell phone pocket
- · Chest pocket with hook and loop closure
- · Two lower pockets
- · Mic tabs for easy clipping of a radio

100% Polyester, Warp Knit, 3.5oz 100% Polyester Mesh 4.5oz Yellow S-5XL















TYPE R

ANSI TYPE P CLASS 2



ANSI TYPE R CLASS 2



US371 TULSA CONTRAST HI-VIS MESH VEST

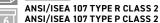
ANSI/ISEA 107 TYPE R CLASS 2

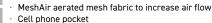
- · MeshAir aerated mesh fabric to increase air flow
- · Chest pockets
- · Internal pockets for safe storage
- · Lower front pockets with hook and loop closure
- · 6 pockets for ample storage

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz



US374 ORLANDO CONTRAST MESH VEST





- · Internal pockets for safe storage
- · Pen pocket
- · 6 pockets for ample storage
- $\cdot\,$ Mic tabs for easy clipping of a radio

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz
Orange S-5XL, Yellow S-5XL

















ANSI TYPE P CLASS 2







AT BACK



ANSI/ISEA 107 TYPE P CLASS 2

- · MeshAir aerated mesh fabric to increase air flow
- · D ring access
- · Cell phone pocket
- · Chest pocket with hook and loop closure
- · Two lower pockets
- · Mic tabs for easy clipping of a radio

100% Polyester Mesh, 4.5oz 100% Polyester, Warp Knit 3.5oz













ANSI/ISEA 107 TYPE R CLASS 2 **ANSI/ISEA 107 TYPE P CLASS 2**

- · Solid polyester front for durability and mesh back for increased breathability
- · Internal pockets for safe storage
- · Pen pocket
- · Two lower patch pockets
- · Cell phone pocket
- · 6 pockets for ample storage

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





CA101 X BACK CONTRAST TAPE VEST

ANSI/ISEA 107 TYPE R CLASS 2 CSA-Z96 COMPLIANT

- · MeshAir aerated mesh fabric to increase air flow
- · X Back tape pattern provides additional wearer visibility
- Chest pocket with hook and loop closure
- · Internal lower patch pockets
- · Mic tab for easy clipping of radio (singular)
- · 3 pockets for ample storage

100% Polyester Mesh, 4.5oz Orange S-5XL, Yellow S-5XL











ANSI TYPE R CLASS 2



ANSI TYPE R CLASS 2



US580 ALABAMA MESH VEST

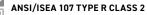


- ANSI/ISEA 107 TYPE R CLASS 2
- MeshAir aerated mesh fabric to increase air flow
 Internal pockets for safe storage
- · 2 pockets for secure storage
- · Mic tab for easy clipping of radio (singular)
- · Front zipper opening for easy access
- · Available in sizes up to 5XL

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz



US380 TAMPA MESH VEST



- · MeshAir aerated mesh fabric to increase air flow
- · Internal pockets for safe storage
- · Chest pockets
- · 4 pockets for ample storage
- · Available in sizes from XS to 7XL

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz Orange S-5XL, Yellow XS-7XL

















ANSI TYPE R CLASS 2

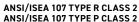
ANSI TYPE P CLASS 2



ANSI TYPE R CLASS 2



UC493 ECONOMY MESH ZIPPER VEST



- · MeshAir aerated mesh fabric to increase air flow
- · Internal pockets for safe storage
- · 2 pockets for secure storage
- · Mic tab for easy clipping of radio (singular)
- · Front zipper opening for easy access

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz



UC492 ECONOMY MESH VEST

ANSI/ISEA 107 TYPE R CLASS 2

- · MeshAir aerated mesh fabric to increase air flow
- · Internal pockets for safe storage
- · 2 pockets for secure storage
- · Mic tab for easy clipping of radio (singular)
- · Hook and loop closure for easy access
- · Dual sizing

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz















ANSI TYPE R CLASS 2



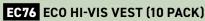
UC494 HI-VIS MESH VEST

ANSI/ISEA 107 TYPE R CLASS 2

- · Cooling mesh upper torso for increased breathability
- · ID card holder for ID card display
- · Hook and loop closure for easy access
- · Available in sizes up to 5XL

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





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

- Made with recycled polyester
- Lightweight and comfortable
- · Reflective tape for increased visibility
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort
- · Certified to ANSI/ISEA 107 after 50x washes

100% Recycled Polyester , Warp Knit, 3.5oz









ANSI TYPE R CLASS 2

ANSI TYPE P CLASS 2





ANSI TYPE R

CLASS 2

ANSI TYPE R

CLASS 2

7 PET BOTTLES **ARE RECYCLED TO** MAKE THIS VEST

ANSI

TYPE P CLASS 2



C470 HI-VIS TWO BAND AND BRACE VEST

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2 EN ISO 20471 CLASS 2

- · Lightweight and comfortable
- · Generous fit for wearer comfort
- · Certified to ANSI/ISEA 107 after 50x washes
- · Hook and loop closure for easy access
- · Available in sizes up to 7XL

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



C472 HI-VIS ONE BAND AND BRACE VEST

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

- · Lightweight and comfortable
- · Generous fit for wearer comfort
- · Certified to ANSI/ISEA 107 after 50x washes
- · Hook and loop closure for easy access
- · Available in sizes up to 5XL

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















ANSI TYPE P CLASS 2



ANSI TYPE R CLASS 2

ANSI

TYPE P CLASS 2



BACK



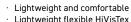
PW309 PW3 HI-VIS EXECUTIVE VEST











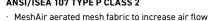
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- Front zipper opening for easy access
- · 7 pockets for ample storage
- · Cell phone pocket
- · Pen pocket

100% Polyester, Warp Knit, 3.5oz



US370 ATLANTA X BACK HI-VIS VEST

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2



- · Chest pockets
- · Internal pockets for safe storage
- · Lower front pockets with hook and loop closure
- · 6 pockets for ample storage
- · Mic tabs for easy clipping of a radio

💢 MeshAir Hi-Vis: 100% Polyester Mesh, 3oz Orange M-5XL, Yellow M-5XL













ANSI TYPE R CLASS 2

CLASS 1 VEST



ANSI TYPE O CLASS 1



US476 BERLIN EXECUTIVE VEST



ANSI/ISEA 107 TYPE R CLASS 2 EN ISO 20471 CLASS 2 Cell phone and pen holder pocket

- Two lower patch pockets
- 7 pockets for ample storage
- ID card holder for ID card display
- · D-ring for keys or ID cards
- · Mic tabs for easy clipping of a radio

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







UC476 WARSAW EXECUTIVE VEST **ANSI/ISEA 107 TYPE 0 CLASS 1**



- · Cell phone and pen holder pocket
- · Two lower patch pockets
- 7 pockets for ample storage
- · D-ring for keys or ID cards
- · Dual ID holder allows use of both portrait and landscape ID card display
- · Mic tabs for easy clipping of a radio

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











US383 AUGUSTA SLEEVED HI-VIS VEST

ANSI/ISEA 107 TYPE R CLASS 3

- · MeshAir aerated mesh fabric to increase air flow
- · Chest pocket with hook and loop closure
- · Internal pockets for safe storage
- · Pen pocket
- · 4 pockets for ample storage
- · Available in sizes up to 5XL

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz







50% MESH 50% SOLID KNIT VEST





US373 AURORA SLEEVED HI-VIS VEST

ANSI/ISEA 107 TYPE R CLASS 3

- · Solid polyester front for durability and mesh back for increased breathability
- · Cell phone pocket
- · Pen pocket
- · Internal pockets for safe storage
- $\cdot\,$ Lower front pockets with hook and loop closure
- · 6 pockets for ample storage

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







US382

5 POINT BREAKAWAY VEST

SHOULDER SEAMS RIGHT



2 SHOULDER SEAMS LEFT



3 SIDE SEAM RIGHT



SIDE SEAM



5 CENTER FRONT



BREAKAWAY VEST



ANSI TYPE R CLASS 3

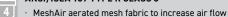


ANSI TYPE R CLASS 2



US382 KOBUK BREAKAWAY VEST

ANSI/ISEA 107 TYPE R CLASS 3



- 5-point breakaway, side and shoulder seams, center front
- · Chest pockets
- · Pen pocket
- · Internal pockets for safe storage
- · 4 pockets for ample storage

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz 100% Polyester, Warp Knit, 3.5oz Yellow S-6XL









US385 EXPANDABLE MESH BREAKAWAY VEST

ANSI/ISEA 107 TYPE R CLASS 2



- $\cdot\,$ MeshAir aerated mesh fabric to increase air flow
- · Internal pockets for safe storage
- · 3 pockets for ample storage
- · 4 point break away function at the shoulders and side seams
- · Mic tabs for easy clipping of a radio
- · Available in sizes up to 5XL

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz











ANSI TYPE R

CLASS 2

TYPE P



TYPE R



ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

- · MeshAir aerated mesh fabric to increase air flow
- · 5-point breakaway, side and shoulder seams, center front
- · Cell phone pocket
- · 1 pocket for secure storage
- · Mic tabs for easy clipping of a radio

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz











US384 ECONOMY MESH BREAKAWAY VEST

ANSI/ISEA 107 TYPE R CLASS 2

- · MeshAir aerated mesh fabric to increase air flow
- · 5-point breakaway, side and shoulder seams, center front
- · Internal chest pocket
- · 2 pockets for secure storage
- · Hook and loop closure for easy access
- · Available in sizes up to 5XL

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz











Portwest surveyor vests are a superior line of executive style vests with ingenious design solutions. Functional and technically innovative, these vests are the ideal choice for the modern

24 HS

US375

PREMIUM SURVEYOR VEST

ANSI/ISEA 107 TYPE R CLASS 2



Kingsmill with Texpel Finish:
65% Polyester, 35% Cotton, 6oz
100% Polyester Mesh, 4.5oz
Vellow/Black S-5XL
Orange/Black S-5XL







PADDED NECK/ COLLAR FOR ADDED COMFORT

11 POCKETS FOR **AMPLE STORAGE**

INTERNAL POCKETS:

- RIGHT HAND-SIDE INTERNAL PEN POCKET
- RIGHT HAND-SIDE INTERNAL LOWER ZIPPED POCKET

 LEFT HAND-SIDE INTERNAL TABLET POCKET FOR SAFE STORAGE WITH LOAD
 BEARING STRAP

 LEFT HAND-SIDE INTERNAL CELL PHONE POCKET WITH STRAP FASTENING



SOLID POLYESTER FRONT AND MESH

TWO LAPEL GROMMETS

TWO-TIERED CHEST POCKET WITH PEN DIVISION AND SIDE ZIP ACCESS FOR EXTRA STORAGE

2 SIDE POCKETS FOR SECURE STORAGE OF SPRAY PAINT

2 LOWER POCKETS WITH HOOK AND LOOP CLOSURE AND GROMMETS FOR FLAGGING TAPE





UNIQUE TWO TONE HIVISTEX PRO SEGMENTED TAPE FOR INCREASED VISIBILITY IN DIVERSE TYPES OF ENVIRONMENTS

HANGER LOOP IN LEFT **CHEST POCKET**

FRONT ZIPPER OPENING REINFORCED WITH HIGH QUALITY WEBBING TAPE FOR ULTIMATE DURABILITY

FOR PROTECTION AGAINST DIRT

CENTER BACK HANGER LOOP MADE IN DURABLE WEBBING



BACK POUCH WITH LEFT AND RIGHT ZIPPER ACCESS













SURVEYOR WEST



US376

EXPERT PRO SURVEYOR VEST

HS ANSI/ISEA 107 TYPE R CLASS 2



- · Solid polyester front for durability and mesh back for increased breathability
- · Heat applied reflective tape for added visibility
- · Padded collar for added comfort
 - · 2 side pockets for secure storage of spray paint
 - · Back pouch with left and right zipper access
 - · Internal tablet pocket for safe storage





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

Orange/Black S-4XL, Yellow/Black S-5XL















ULTRA COOL SURVEYOR VEST HS ANSI/ISEA 107 TYPE R CLASS 2



MeshAir aerated mesh fabric to increase air flow



- · Heat applied reflective tape for added visibility
- · Reflective piping for increased visibility · 2 lower pocket flagging tape grommets
- · Cell phone pocket
- · Chest pockets

MeshAir Hi-Vis: 100% Polyester Mesh, 4.5oz
Pockets: Solid 100% Polyester, Warp Knit, 3.5oz

Yellow/Black S-5XL





LOWER POCKET FLAGGING TAPE GROMMETS

INTERNAL TABLET











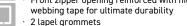
US378







· MeshAir aerated mesh fabric to increase air flow · Front zipper opening reinforced with high quality





· Internal tablet pocket for safe storage

· Back pouch with left and right zipper access

· Cell phone pocket



100% Polyester Mesh, 4.5oz Pockets: Kingsmill Standard: 65% Polyester, 35% Cotton, 6oz

Yellow S-5XL













CLASS 2







ENHANCED VISIBILITY VEST (NON-ANSI)



UF476 IONA EXECUTIVE VEST

NON ANSI

- · Cell phone and pen holder pocket
- · Two lower patch pockets
- · 7 pockets for ample storage
- · ID card holder for ID card display
- D-ring for keys or ID cards
 - · Mic tab for easy clipping of radio (singular)







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









F474 IONA VEST

NON ANSI

- · Lightweight and comfortable
- · Generous fit for wearer comfort
- · Hook and loop closure for easy access
- · Available in an excellent choice of corporate colors
- · Available in sizes up to 5XL

100% Polyester, Warp Knit, 3.5oz Bottle Green, Navy, Purple, Red, Royal Blue

	REG	
	S/M-4XL/5XL	
	S/M-XXL/3XL	
	S/M-XXL/3XL	
	S/M-XXL/3XL	
	S/M-4XL/5XL	















ENHANCED VISIBILITY VEST (NON-ANSI)



F374 MeshAir IONA VEST NON ANSI

- · Reflective tape for increased visibility
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort

MeshAir Pro: 100% Polyester Mesh, 4.5oz S/M-XXL/3XL, Red S/M-XXL/3XL















US391 IONA PLUS MESH VEST



- · Cooling mesh fabric for increased breathability
- · Mic tabs for easy clipping of a radio
- · Internal pockets for safe storage
 - · Cell phone and pen holder pocket
 - · Front zipper opening for easy access
 - · Reflective tape for increased visibility



🛱 MeshAir Pro: 100% Polyester Mesh, 3oz Black S-6XL, Bottle Green S-6XL, Royal Blue S-6XL, Red S-6XL



COLOR

COLOR



AERATED MESH HELPS

IMPROVE AIRFLOW









NON ANSI



US390 ECONOMY NON ANSI MESH VEST

- · MeshAir aerated mesh fabric to increase air flow
- · Hook and loop closure for easy access

MeshAir Hi-Vis: 100% Polyester Mesh, 3oz

















UFR24

CLASS 3 FR MESH VEST ASTM F1959/F1959M-12 ATPV 5.1 CAL/CM2 (HAF 69%)



ASTM F1506





ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**



- · FR modacrylic mesh
- · Inherent flame resistant qualities will not diminish with washing
- · Internal pocket for safe storage
- · Hook and loop closure for easy access
- · To be worn over ARC rated clothing only
- · Sew on flame resistant reflective tape

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fiber, 5.5oz Yellow M-5XL

NFPA 70E

ANSI TYPE R CLASS 3

ANSI TYPE P CLASS 3





ARC RATED FR MESH VEST

ASTM F1959/F1959M-12 ATPV 5.1 CAL/CM2 (HAF 69%)



ASTM F1506 NFPA® 70E



ANSI/ISEA 107 TYPE R CLASS 2 **ANSI/ISEA 107 TYPE P CLASS 2**



- · FR modacrylic mesh
 - · Inherent flame resistant qualities will not diminish with washing
 - · Hook and loop closure for easy access
 - · Internal pocket for safe storage
 - · To be worn over ARC rated clothing only · Sew on flame resistant reflective tape

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

NFPA 70E

ANSI **TYPE R**

CLASS 2

ANSI

TYPE P CLASS 2

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

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

EXCEPTIONAL FLAME RESISTANCE AND HIGH VISIBILITY PROTECTION COMBINED















ARC RATED VEST

7oz







UFR23

NFPA 2112 WOVEN VEST

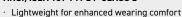
ASTM F1959/F1959M-12 ATPV 9 CAL/CM2 (HAF 75.6%) **ASTM F1506**



NFPA® 70E **ANSI/ISEA 107 TYPE R CLASS 2**



ANSI/ISEA 107 TYPE P CLASS 2





· Hook and loop closure for easy access

- · Internal pocket for safe storage
- · Sew on flame resistant reflective tape
- · To be worn over ARC rated clothing only
- · 1 pocket for secure storage

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz

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





ANSI **TYPE R** CLASS 2

ANSI TYPE P CLASS 2





FR75 **HI-VIS FR VEST**

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 3



EN ISO 20471 CLASS 2 EN ISO 14116 INDEX 1

- · Lightweight and comfortable
- · Polyester solid treated fabric
- · Hook and loop closure for easy access
- · Generous fit for wearer comfort
- · Dual sizing
- · Sew on flame resistant reflective tape

Bizflame Work: 100% Polyester, Warp Knitted, 3.5oz

Yellow S/M - 4XL/5XL, Orange S/M - 4XL/5XL

ANSI TYPE R

CLASS 2

ANSI TYPE P

CLASS 3

TESTED FOR FLAME RESISTANCE:

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













SHIRTS

- T-Shirts
- Sweatshirts
- Polo Shirts
 Shirts
- Hoodies
- Fleece

This section contains over 40 styles and features CLASS 3, CLASS 2, CLASS 1 and NON ANSI apparel. New additions include; X BACK, eco-conscious and women's apparel.



Cotton Comfort 55% Cotton, 45% Polyester

Cotton Comfort fabric is manufactured from a 55% cotton, 45% polyester 175g fabric with cotton on the inside for comfort and polyester on the outside for maximum durability.



100% Polyester, Bird Eye Knit

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



100% Polyester Mesh

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



CLASS 3 T-SHIRT



S397

MESH PANEL CLASS 3 T-SHIRT ANSI/ISEA 107 TYPE R CLASS 3



- · Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable · Quality wicking fabric finish enhances fabric
- drying and aids stain removal
- · Mesh panels for extra ventilation · Tape free pocket ideal for corporate branding
 - · 40+ UPF rated fabric to block 98% of UV rays
 - · Sealed neck seam for extra comfort



100% Polyester, Bird Eye Knit, 4.5oz 100% Polyester Mesh, 3.5oz

Yellow S-6XL



BREATHABLE MESH PANELLING















S393

DAYTON CLASS 3 T-SHIRT ANSI/ISEA 107 TYPE R CLASS 3



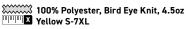
· Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable



· Quality wicking fabric finish enhances fabric drying and aids stain removal



- Tape free pocket ideal for corporate branding
- · Sealed neck seam for extra comfort
- · 40+ UPF rated fabric to block 98% of UV rays
- · Available in sizes up to 7XL



IMPROVED TAPE-FREE CHEST POCKET







CLASS 2 T-SHIRT









 $\lfloor 1 \rfloor$

CA110 X BACK CONTRAST TAPE SHORT SLEEVE **T-SHIRT**



- · Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- · Quality wicking fabric finish enhances fabric drying and aids stain removal
- · Heat applied reflective tape for added visibility
- · Tape gap on side seams allows maximum garment stretch
- 1 pocket for secure storage
 - · Sealed neck seam for extra comfort

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







S395 DETROIT SHORT SLEEVE T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 2 **ANSI/ISEA 107 TYPE P CLASS 2**

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

- Quality wicking fabric finish enhances fabric drying and aids stain
- removal Heat applied segmented reflective tape for added visibility
- Tape free pocket ideal for corporate branding

 - Mic tabs for easy clipping of a radio
 - · Sealed neck seam for extra comfort



💢 100% Polvester. Bird Eve Knit. 4.5oz Yellow/Black S-6XL









ANSI TYPE P CLASS 2



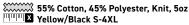


T181 PW3 HI-VIS SHORT SLEEVE T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 2 **ANSI/ISEA 107 TYPE P CLASS 2**

EN ISO 20471 CLASS 2

- · High cotton content for superior comfort
- Moisture wicking fabric helping to keep the body warm, cool and dry Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- 1 pocket for secure storage
 - · Crew neck
 - · Side vents for added comfort







S194 SEGMENTED TAPE SHORT SLEEVE T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 2

- · Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable Lightweight flexible HiVisTex Pro segmented reflective tape for
- increased visibility
- Tape free pocket ideal for corporate branding
- Taped neck seam for extra comfort Crew neck
- - Lightweight for enhanced wearing comfort



100% Polyester Pin Mesh, 4.5oz Orange S-5XL, Yellow S-5XL



CLASS 2 T-SHIRT





S170 COTTON COMFORT SHORT SLEEVE T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

 $4Q_{\!\scriptscriptstyle ullet}$ · High cotton content for superior comfort

 $\cdot\,$ Moisture wicking fabric helping to keep the body warm, cool and dry

· Designed with a comfort fit

Crew neck

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

· Available in sizes up to 5XL

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









S478 / RT23 HI-VIS T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 2
ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

40 · Bre

- · Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal
 Generous fit for wearer comfort
- $\cdot\,$ 40+ UPF rated fabric to block 98% of UV rays
- · Available in sizes up to 6XL
- · Certified to ANSI/ISEA 107 after 50x washes

100% Polyester, Bird Eye Knit, 4.5oz
S478: Yellow S-6XL, Yellow Tall L-6XL
RT23: Orange XS-5XL











EC12 ECO HI-VIS SHORT SLEEVE T-SHIRT (6 PACK)

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

Environmentally friendly recycled yarns

 Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
 Quality wicking fabric finish enhances fabric drying and aids stain removal

- · Reflective tape for increased visibility
- · Generous fit for wearer comfort
- · Certified to ANSI/ISEA 107 after 50x washes

100% Recycled Polyester, Bird Eye Knit, 4.5oz











S190 HI-VIS POCKET T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 2

HS EN ISO 20471 CLASS 2

×50

[1]

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- · Quality wicking fabric finish enhances fabric drying and aids stain removal
- PF · Heat applied reflective tape for added visibility
 - · Sealed neck seam for extra comfort
 - · 1 pocket for secure storage
 - · 40+ UPF rated fabric to block 98% of UV rays

 100% Polyester, Bird Eye Knit, 4.5oz

Orange S-5XL, Yellow S-5XL, Yellow Tall L-5XL







CLASS 2 T-SHIRT



S358 NASHVILLE TWO-TONE T-SHIRT

HS

ANSI/ISEA 107 TYPE R CLASS 2



- Quality wicking fabric finish enhances fabric drying and aids stain removal
 Heat applied segmented softestive tape for
- Heat applied segmented reflective tape for added visibility
- $\cdot\,$ Sealed neck seam for extra comfort
- $\cdot\,$ Tape free pocket ideal for corporate branding
- \cdot Contrast panels for protection against dirt
- · 40+ UPF rated fabric to block 98% of UV rays

100% Polyester, Bird Eye Knit, 4.5oz

ANSI TYPE R CLASS 2









S378 TWO-TONE T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2



- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- · Quality wicking fabric finish enhances fabric drying and aids stain removal
- · Generous fit for wearer comfort
- · 40+ UPF rated fabric to block 98% of UV rays
- · Available in sizes up to 6XL
- · Certified to ANSI/ISEA 107 after 50x washes

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

ANSI TYPE R

CLASS 2

TYPE P







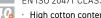






ANSI/ISEA 107 TYPE 0 CLASS 1

EN ISO 20471 CLASS 1



- High cotton content for superior comfort
 Moisture wicking fabric helping to keep the
- body warm, cool and dry
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- · Crew neck
- · Designed with a comfort fit
- $\cdot\;$ Side vents for added comfort

55% Cotton, 45% Polyester, Knit, 5oz











NON-ANSI T-SHIRT



S577 NON ANSI COTTON BLEND



NON ANSI

- · Cotton blend single jersey for ultimate comfort
- · Lightweight and comfortable
- · 1 pocket for secure storage
- · Sealed neck seam for extra comfort
- · Crew neck
- · Available in sizes up to 5XL

50% Polyester, 50% Cotton, 6oz Orange S-5XL, Yellow S-5XL

COTTON COMFORT FABRIC FOR HIGH PERFORMANCE AND MAXIMUM COMFORT





NON ANSI



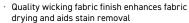
\$578 NON ANSI POCKET SHORT SLEEVE T-SHIRT

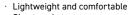


NON ANSI



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





- · Chest pocket
- · Taped neck seam for extra comfort
- · 40+ UPF rated fabric to block 98% of UV rays

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









CLASS 3 LONG SLEEVE T-SHIRT





ANSI
TYPE R
CLASS 3

ANSI
TYPE P
CLASS 3



[1 J

CA111 X BACK CONTRAST TAPE LONG SLEEVE T-SHIRT

HS ANSI/ISEA 107 TYPE R CLASS 3 CSA-Z96 COMPLIANT

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

 \cdot Quality wicking fabric finish enhances fabric drying and aids stain removal

· Heat applied reflective tape for added visibility

· Tape gap on side seams allows maximum garment stretch

· 1 pocket for secure storage

· Sealed neck seam for extra comfort

100% Polyester, Bird Eye Knit, 4.5oz







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

EN ISO 20471 CLASS 3

High cotton content for superior comfort

Moisture wicking fabric helping to keep the body warm, cool and dry Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

· Chest pocket

· Crew neck

· Side vents for added comfort

55% Cotton, 45% Polyester, Knit, 5oz

P65 -

HS









ANSI/ISEA 107 TYPE R CLASS 3

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

 Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

🔒 · Tape free pocket ideal for corporate branding

Taped neck seam for extra comfort

 \cdot Lightweight for enhanced wearing comfort

· Crew neck

100% Polyester Pin Mesh, 4.5oz



S278 COTTON COMFORT LONG SLEEVE T-SHIRT

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

EN ISO 20471 CLASS 3

40.

- High cotton content for superior comfort
- $\cdot\,$ Moisture wicking fabric helping to keep the body warm, cool and dry
- · Taped neck seam for extra comfort
 - · Designed with a comfort fit
 - · 40+ UPF rated fabric to block 98% of UV rays
 - · Certified to ANSI/ISEA 107 after 50x washes

55% Cotton, 45% Polyester, Knit, 5oz





HS

CLASS 3 LONG SLEEVE T-SHIRT





S192 HI-VIS LONG SLEEVE RIBBED CUFF T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**



- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal



- · Heat applied reflective tape for added visibility
- Tape free pocket ideal for corporate branding
- Ribbed cuffs for warmth and comfort
- · 40+ UPF rated fabric to block 98% of UV rays

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









S191 HI-VIS LONG SLEEVE POCKET T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 3

EN ISO 20471 CLASS 3 HS



- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal



- Heat applied reflective tape for added visibility
- 1 pocket for secure storage
- Sealed neck seam for extra comfort
- · 40+ UPF rated fabric to block 98% of UV rays



100% Polyester, Bird Eye Knit, 4.5oz Orange S-5XL, Yellow S-6XL, Yellow Tall L-6XL







ANSI TYPE R CLASS 3





NON-ANSI LONG SLEEVE T-SHIRT





S398 LAGUNA LONG SLEEVE T-SHIRT

ANSI/ISEA 107 TYPE R CLASS 3

HS

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



Quality wicking fabric finish enhances fabric drying and aids stain removal



· Heat applied segmented reflective tape for added visibility



· Tape free pocket ideal for corporate branding · Contrast panels for protection against dirt





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







S579 NON ANSI POCKET LONG SLEEVE T-SHIRT

NON ANSI



- $\cdot\,$ Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal
- Chest pocket
 - · Lightweight and comfortable
 - · 40+ UPF rated fabric to block 98% of UV rays
 - · Available in sizes up to 5XL

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











T180 PW3 HI-VIS SHORT SLEEVE POLO SHIRT

ANSI/ISEA 107 TYPE R CLASS 2
HS ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

· High cotton content for superior comfort

 $\,\cdot\,$ Moisture wicking fabric helping to keep the body warm, cool and dry

Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

· Chest pocket

Loop at placket ideal for attaching glasses/pens

· Side vents for added comfort

55% Cotton, 45% Polyester, Knit, 5oz







LW72 WOMEN'S PRO POLO SHIRT

ANSI/ISEA 107 TYPE R CLASS 2
HS ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

· High cotton content for superior comfort

 $\,\cdot\,$ Moisture wicking fabric helping to keep the body warm, cool and dry

 $4\it Q_{
m a}$ Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

☑☑ · Superior styling with a contrast collar and fluorescent stripe

Side vents for added comfort

· Women's fit

55% Cotton, 45% Polyester, Knit, 5oz









S477 / RT22 HI-VIS SHORT SLEEVE POLO SHIRT

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

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

 \cdot Quality wicking fabric finish enhances fabric drying and aids stain removal

· Designed with a comfort fit

· Superior styling with a contrast collar and fluorescent stripe

· Ribbed Collar

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

100% Polyester, Bird Eye Knit, 5oz

S477: Yellow S-7XL, Yellow Tall L-7XL

RT22: Orange S-5XL, Orange Tall L-5XL





CLASS 1 POLO SHIRT





S479 TWO-TONE POLO SHIRT

ANSI/ISEA 107 TYPE 0 CLASS 1

EN ISO 20471 CLASS 1

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

· Quality wicking fabric finish enhances fabric drying and aids stain removal

· Superior styling with a contrast collar and fluorescent stripe

· Contrast panels for protection against dirt

· Side vents for added comfort

· Sealed neck seam for extra comfort

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





CLASS 3 LONG SLEEVE POLO SHIRT





T184 PW3 HI-VIS LONG SLEEVE POLO SHIRT

ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**

EN ISO 20471 CLASS 3



- · High cotton content for superior comfort
- · Moisture wicking fabric helping to keep the body warm, cool and dry · Lightweight flexible HiVisTex Pro segmented reflective tape for

increased visibility

- · Chest pocket
 - · Loop at placket ideal for attaching glasses/pens
 - · Side vents for added comfort

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



ANSI TYPE R CLASS 3

ANSI TYPE P CLASS 3







S277 HI-VIS LONG SLEEVE POLO SHIRT

ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**





- Breathable fabric to draw moisture away from the body
- keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal
- Superior styling with a contrast collar and fluorescent stripe
- · Bio motion tape pattern to improve recognition of human shape at distance
- · Ribbed cuffs for warmth and comfort
- · 40+ UPF rated fabric to block 98% of UV rays

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





ANSI TYPE R

TYPE P









S279 TWO-TONE LONG SLEEVE POLO SHIRT

CLASS 2 LONG SLEEVE

ANSI/ISEA 107 TYPE R CLASS 2

POLO SHIRT

EN ISO 20471 CLASS 2



- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal
- Superior styling with a contrast collar and fluorescent stripe
- · Ribbed cuffs for warmth and comfort
- · Contrast panels for protection against dirt
- · 40+ UPF rated fabric to block 98% of UV rays

100% Polyester, Bird Eye Kins, 362 Orange/Navy S-4XL, Yellow/Navy XS-4XL











WORK SHIRT



E067



TWO TONE SHORT SLEEVE **ANSI WORK SHIRT**

ANSI/ISEA 107 TYPE R CLASS 2



- $\cdot\,$ Hard wearing durable twill fabric with excellent dye retention
- · Increased breathability with a vented back
- · 2 pockets for secure storage
- \cdot Underarm cool flow mesh panel for ventilation
- · Pen division
- · Certified to ANSI/ISEA 107 after 50x washes

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 5.5oz

Yellow/Black S-4XL









E066

TWO TONE ANSI LONG SLEEVE **WORK SHIRT**

ANSI/ISEA 107 TYPE R CLASS 2



· Hard wearing durable twill fabric with excellent dye retention



- · Back vent for breathability and comfort
- · 2 pockets for secure storage
- · Pen division
- · Button front closure
- · Available in sizes up to 4XL

Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 5.5oz

Yellow/Black S-4XL





CLASS 2







3-IN-1 PILOT **JACKET**



21.5oz

ANSI

TYPE R

CLASS 3



1 OUTER JACKET WITH

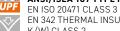
BODYWARMER





PJ50

HI-VIS 3-IN-1 PILOT JACKET ANSI/ISEA 107 TYPE R CLASS 3



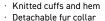
EN 342 THERMAL INSULATION 0.331 (M2 K/W) CLASS 2



 $\cdot\,$ Detachable lining for added versatility in all weather conditions



provide multi-seasonal options for the wearer · 7 pockets for ample storage



· Jacket can be worn three ways for multi use.

55% Cotton, 45% Polyester, 7oz 100% Polyester Fur Lining, 13oz 100% Polyester, 2oz 100% Polyester, 2oz Sleeve: 100% Polyester 3.5oz Yellow/Navy S-4XL

MAX LOW TEMPS

-1°F

8HR

-33°F

1HR



PREMIUM, **DURABLE HIGH VISIBILITY PROTECTION**







OUTER JACKET WITHOUT LINING











KANSAS ZIPPED HOODIE

ANSI/ISEA 107 TYPE R CLASS 2 SIZES S-M ANSI/ISEA 107 TYPE R CLASS 3 SIZES L- 6XL

×50

 \cdot Knitted fabric with brushed backing

- · Heat applied reflective tape for added visibility
- · 2 pockets for secure storage
- Hood for added protection against the elements
- · Ribbed cuffs for warmth and comfort

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

65% Polyester, 35% Cotton, 9oz

CONTRASTING PANELS FOR CONTEMPORARY STYLE





CLASS 3 HOODIE



ANSI TYPE R CLASS 3

ANSI TYPE P CLASS 3



12

UB325 HI-VIS THERMAL TWO TONE ZIPPED HOODIE

ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**

HS Heat applied segmented reflective tape for added visibility

- Knitted fabric with brushed backing
- · Provides insulation and thermal protection
- · 2 pockets for secure storage
 - · Hood for added protection against the elements
 - · Contrast panels for protection against dirt



65% Polyester, 35% Cotton, 10.5oz Yellow/Black S-6XL





ANSI/ISEA 107 TYPE R CLASS 2 SIZES S-M ANSI/ISEA 107 TYPE R CLASS 3 SIZES L-6XL

EN ISO 20471 CLASS 2 SIZES S-M EN ISO 20471 CLASS 3 SIZES L-6XL UPF

- Knitted fabric with brushed backing
- Heat applied reflective tape for added visibility
- Contrast panels for protection against dirt
- Ribbed cuffs for warmth and comfort
- 2 pockets for secure storage
- Hood for added protection against the elements

65% Polyester, 35% Cotton, 9oz Orange/Black S-5XL, Yellow/Black XS-6XL



HS





ANSI TYPE R CLASS 3

ANSI TYPE P CLASS 3



ANSI TYPE R CLASS 2 **ANSI** TYPE R CLASS 3



B304 HI-VIS HOODED SWEATSHIRT

ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3 EN ISO 20471 CLASS 3

- · Knitted fabric with brushed backing
- · Kangaroo pocket for ample storage · Hood for added protection against the elements

💢 65% Polyester, 35% Cotton, 9oz

- · Fully elasticated waistband for ultimate wearer comfort
 - · 1 pocket for secure storage
- Bio motion tape pattern to improve recognition of human shape at distance





HS

· Hood for added protection against the elements Contrast panels for protection against dirt

· 1 pocket for secure storage

Knitted fabric with brushed backing

ANSI/ISEA 107 TYPE R CLASS 2 SIZES S-M

ANSI/ISEA 107 TYPE R CLASS 3 SIZES L-6XL

· Heat applied reflective tape for added visibility

Ribbed cuffs for warmth and comfort

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

UB324 TWO TONE HOODED SWEATSHIRT



CLASS 3 SWEATSHIRT





PW370



PW3 HI-VIS SWEATSHIRT
ANSI/ISEA 107 TYPE R CLASS 2 SIZES S-M
ANSI/ISEA 107 TYPE R CLASS 3 SIZES L-5XL



EN ISO 20471 CLASS 2 SIZES S-M EN ISO 20471 CLASS 3 SIZES L-5XL



- Knitted fabric with brushed backingLightweight flexible HiVisTex Pro
- segmented reflective tape for increased visibility
- · 3 pockets for ample storage



- · Cell phone pocket
- Side pocketsRib collar and cuffs



100% Polyester, 8oz
Yellow/Black S-5XL



ANSI TYPE R CLASS 2

ANSI TYPE R CLASS 3







PW379



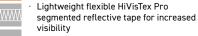


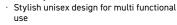
ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3

EN ISO 20471 CLASS 2 SIZE: S EN ISO 20471 CLASS 3 SIZES: M-4XL



· Knitted fabric with brushed backing





- · Designed with a comfort fit
- Crew neck
- · Ribbed cuffs for warmth and comfort

65% Polyester, 35% Cotton, 9oz



ANSI TYPE R CLASS 3

TYPE P







B303

HI-VIS SWEATSHIRT

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

40 EN I

EN ISO 20471 CLASS 3

- · Knitted fabric with brushed backing
- · Ribbed cuffs for warmth and comfort
- · Ribbed hem for a comfortable fit
- · Fully elasticated waistband for ultimate wearer comfort
- · Bio motion tape pattern to improve recognition of human shape at distance
- · Generous fit for wearer comfort

65% Polyester, 35% Cotton, 9oz







CLASS 3 FLEECE







18

UF300

HI-VIS MESH LINED FLEECE

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

40 EN ISO 20471 CLASS 3

· Anti-pill durable fleece fabric

· 3 pockets for ample storage

· Interactive zipper for added functionality

· Elastic waist with toggle for a secure and comfortable fit

· Elasticated cuffs for a secure fit

· Reflective tape for increased visibility

100% Polyester, Anti-Pill finish Fleece, 9oz Body: 100% Polyester Mesh, 2oz Sleeve: 100% Polyester Taffeta, 2oz

Yellow M-5XL



B308

XENON RUGBY SHIRT

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



EN ISO 20471 CLASS 3

- · Knitted fabric with brushed backing
- 1/4 length center front zipper for added comfort and versatility
- \cdot Reinforced panels in high wear areas for maximum durability
- · Ribbed cuffs for warmth and comfort
- · Designed with a comfort fit
- · 40+ UPF rated fabric to block 98% of UV rays

65% Polyester, 35% Cotton, 9oz

Yellow S-6XL

ANSI CLASS 3 HIGH VISIBILITY - GIVING VISIBLITY TO THE WEARER







CLASS 2 **BODYWARMER VEST**









ANSI TYPE O CLASS 1

ANSI TYPE R CLASS 2

CONCEALED **CELL PHONE POCKET**

INNER SOFT INSULATEX LINING

PREMIUM STAIN RESISTANT FINISH REPELS OIL, WATER AND GRIME



ANSI TYPE R CLASS 2

ANSI TYPE P CLASS 2





PW3 HI-VIS REVERSIBLE BODYWARMER VEST HS

ANSI/ISEA 107 TYPE 0 CLASS 1 SIZE S-M ANSI/ISEA 107 TYPE R CLASS 2 SIZE L-3XL

EN ISO 20471 CLASS 2 SIZE L-3XL EN ISO 20471 CLASS 1 SIZE S-M

- · Durable polyester/cotton fabric with Texpel $^{\text{TM}}$ stain resistant finish
- · Heavyweight quilt lining for maximum thermal insulation
- · 6 pockets for ample storage
 - Reversible garment for multi use
 - D-ring for keys or ID cards

· Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility

Kingsmill: 65% Polyester, 35% Cotton, 7oz 100% Polyester, 9oz Yellow/Black S-3XL





HI-VIS REVERSIBLE BODYWARMER VEST

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2

- Extremely water resistant fabric finish, water beads away from fabric surface
- Quilt lined for thermal insulation
- 4 pockets for ample storage
 - Reversible garment for multi use
 - Interactive inner garment · Certified to ANSI/ISEA 107 after 50x washes

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

a Stain Resistant finish, Double PU Coated, 5.5oz 65% Polyester, 35% Cotton, 7.5oz

100% Polyester, 6oz

Yellow S-5XL



REVERSIBLE















HIGH **VISIBILITY WORKWEAR**



Splash, Oil + Stain

Texpel™ is a durable, stain repellent finish which protects against everyday spills without changing the feel or comfort of the fabric. The finish is highly breathable.

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



9oz

ANSI

CLASS E



WORK PANTS



PW340

PW3 HI-VIS WORK PANTS

HS

ANSI/ISEA 107 CLASS E EN ISO 20471 CLASS 2

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



· Durable polyester/cotton fabric with Texpel™ stain resistant finish



Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility



· 10 pockets for ample storage



Double rule pocket · Triple-stitched seams for extra durability



· Reinforced panels in high wear areas for maximum durability



Kingsmill with Texpel Finish: 65% Polyester, 35% Cotton, 9oz

100% Polyester Oxford 600D, 6oz Yellow/Black, Waist 28" to 48" Regular leg 31" adjustable to tall leg 33"





DESIGNED TO PROTECT LAST

TRIPLE STITCHED SEAMS FOR MAXIMUM STRENGTH











STRETCH **WOMEN'S PANTS**





PW385

PW3 HI-VIS WOMEN'S HS STRETCH WORK PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2 EN 14404:2004+A1:2010 TYPE 2

- · 2-way twill stretch fabric for ease of movement and added comfort
- Adjustable hem to accommodate all leg lengths
- · 10 pockets for ample storage
 - · Easy access cargo pocket
 - · Lightweight flexible HiVisTex Pro segmented reflective tape for increased
 - · Reinforced panels in high wear areas for maximum durability



Kingsmill Poly-cotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 7oz

100% Polyester Oxford 600D, 6oz Yellow/Black, Waist 26"(4) to 38"(20) Regular leg 29" adjustable to Tall leg 31"



USING STRETCH FABRIC FOR A COMFORTABLE WOMEN'S FIT







HIGH VISBILITY WORKWEAR

ANSI

CLASS E







E046

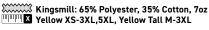
HI-VIS CARGO PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 1

- - · Durable polyester/cotton fabric with Texpel $^{\text{TM}}$ stain resistant finish
 - · Reflective tape for increased visibility · 9 pockets for ample storage
 - · Two back patch pockets

 - · Double rule pocket
 - · Handy waistband D ring for keys or ID cards



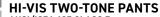


ANSI





E049



ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 1

- · Durable polyester/cotton fabric with Texpel $^{\text{TM}}$ stain resistant finish
 - · Reflective tape for increased visibility
 - · 8 pockets for ample storage
- · Rule pocket
 - · D-ring for keys or ID cards
 - · Two back patch pockets

Kingsmill: 65% Polyester, 35% Cotton, 7oz Yellow/Black S-3XL, Yellow/Navy S-3XL













DURABLE WITH A STAIN REPELLENT **FINISH**





TX55



ANSI/ISEA 107 TYPE R CLASS 3

EN ISO 20471 CLASS 3



· Durable polyester/cotton fabric with Texpel $^{\text{TM}}$ stain resistant finish



- · Reflective tape for increased visibility
- · 12 pockets
- $\cdot\;$ Two-way zipper for quick and easy access
 - · Adjustable hem to accommodate all leg lengths
 - · Rule pocket



Kingsmill Hi-Vis: 65% Polyester, 35% Cotton, 7oz Yellow/Navy S-3XL



E043

HI-VIS POLYCOTTON SHORTS

ANSI/ISEA 107 CLASS E EN ISO 20471 CLASS 1



- · Durable polyester/cotton fabric with Texpel™ stain resistant finish
- · Reflective tape for increased visibility
- · 7 pockets for ample storage
- · Double rule pocket
- · Handy waistband D ring for keys or ID cards
- · Two back pockets

Kingsmill: 65% Polyester, 35% Cotton, 7oz









PANTS







ANSI

CLASS E

50% MESH, 50% SOLID **KNIT**



US386 MESH OVERPANTS

ANSI/ISEA 107 CLASS E

- · MeshAir aerated mesh fabric to increase air flow
- · 2 pockets for secure storage
- · Available in sizes up to 5XL
- · Fully elasticated waistband for ultimate wearer comfort

100% Polyester Mesh, 3oz



US388 TWO-TONE MESH OVERPANTS

ANSI/ISEA 107 CLASS E



- · Fully elasticated waistband for ultimate wearer comfort
- · 4 pockets for ample storage
- · Contrast panels for protection against dirt
- · Available in sizes up to 5XL

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















US389 HI-VIS TWO-TONE GAITERS

ANSI/ISEA 107 CLASS E

- · MeshAir aerated mesh fabric to increase air flow
- · Contrast panels for protection against dirt
- · Reflective tape for increased visibility
- · Adjustable hook and loop fastening for flexible sizing

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







OUTERWEAR

A complete selection of jackets including multiseasonal, breathable, winter, traffic, bomber, XBACK, eco-conscious, public safety, and women's jackets, in addition to high performance rain

jackets and pants.



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



Made with 300 Denier 100% polyester yarn, this is a tough fabric for tough conditions. 300D fabric has superb abrasion and tear resistance.



The double polyurethane (PU) coating on the inside of our fabric makes it durable and waterproof.



The outer has a water and stain repellent coating which helps keep the garment clean.



7-IN-1 BREATHABLE JACKET















7-IN-1 BREATHABLE JACKET

ANSI







8HR



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 double polyurethane (PU) coating on the inside makes the fabric durable and waterproof, and the outer has a water and stain repellent coating which helps keep the garment clean.



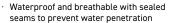
US427

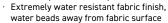
HI-VIS 7-IN-1 TRAFFIC JACKET ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3



EN ISO 20471 CLASS 3 EN 343 CLASS 4:3 X WP 10,000MM, MVP 10,000G/M2/24HRS EN 342 0.341 (M2.K/W), 3, X

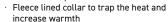


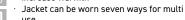






· Hook and loop cuffs for a secure fit





· Reflective tape for increased visibility



300D Breathable: 100% Polyester,



300D Oxford Weave, Double 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, 5oz Yellow S-5XL

















5-IN-1 BREATHABLE **JACKET**









PW367



PW3 HI-VIS 5-IN-1 JACKET **ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3**



EN ISO 20471 CLASS 3 EN 343 CLASS 4:3 X WP 10,000MM, MVP 10,000 G/M2/24HRS



· Waterproof with sealed seams preventing water penetration



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



· 10 pockets for ample storage · Detachable ID pocket



· Hook and loop cuffs for a secure fit



· Two-way zipper for quick and easy access











ANSI















OUTER JACKET WITH SLEEVELESS INNER JACKET



INNER JACKET WITH SLEEVES



BODYWARMER



BACK



















3-IN-1 JACKET



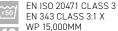




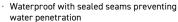


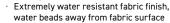
PW365

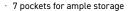
PW3 HI-VIS 3-IN-1 JACKET ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3

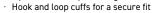




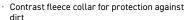












Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 100% Polyester, 2oz

300D Industry: 100% Polyester, 300D







100% Polyester, knitted with brushed back, 9oz Yellow/Black S-5XL Orange/Black S-4XL







ANSI TYPE R CLASS 3

ANSI

TYPE P

CLASS 3

OUTER JACKET WITH INNER **JACKET**













INNER GARMENT



ORANGE/BLACK



BACK













WINTER JACKET









PW369



PW3 HI-VIS WINTER PARKA JACKET

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

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15.000MM

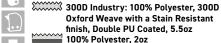
EN 342 0.356 (M2.K/W), 2, X



- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Internal zipped pocket provides safe and secure storage
- · Detachable quilt lined hood with optional faux fur trim to suit all weather conditions

Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

- · Quick dry knitted cuff for a snug and comfortable fit
- · Underarm pit zippers for enhanced breathability









100% Polyester, 2oz 100% Polyester, 6oz Yellow/Black S-5XL

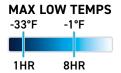
ANSI **TYPE R**

ANSI TYPE P

CLASS 3



INSULATEX HEAT INSULATEX REFLECTIVE LINING



HEAVYWEIGHT QUILT LINING FOR MAXIMUM THERMAL INSULATION













WINTER JACKET









T400

PW3 HI-VIS WINTER JACKET ANSI/ISEA 107 TYPE R CLASS 3 HS **ANSI/ISEA 107 TYPE P CLASS 3**

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 WP 15,000MM

EN 342 0.323 (M2.K/W), 2, X

· Waterproof with sealed seams preventing water penetration Extremely water resistant fabric finish, water

beads away from fabric surface Insulatex[™] heat reflective lining reflects heat

back into the body ensuring maximum warmth and comfort

· Detachable ID pocket

· Quick dry knitted cuff for a snug and comfortable fit

· Contrast fleece collar for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish. Double PU Coated. 5.5oz

100% Polyester, 2oz

100% Polyester, 5oz Yellow/Black S-6XL

















PW382

PW3 HI-VIS WOMEN'S WINTER JACKET

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2

EN ISO 20471 CLASS 2 EN 343 CLASS 3:1 X

WP 15,000MM EN 342 0.323 (M2.K/W), 2, X

· Waterproof with sealed seams preventing

water penetration

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

comfortable fit

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



















FOR

-1°F

8HR















US460



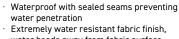
HI-VIS TRAFFIC JACKET ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3



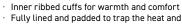
EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.345 (M2.K/W), 2, X





- water beads away from fabric surface · Internal chest pocket



increase warmth · Hook and loop cuffs for a secure fit

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester, 2oz 100% Polyester, 5oz Yellow S-7XL











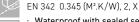








EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM





· Waterproof with sealed seams preventing water penetration



· Extremely water resistant fabric finish, water beads away from fabric surface Internal chest pocket



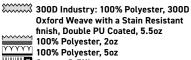
· Inner ribbed cuffs for warmth and comfort

Detachable hood

Fully lined and padded to trap the heat and increase warmth

Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 100% Polyester, 2oz

Orange S-5XL













INSULATED





US369

HI-VIS CONTRAST TAPE TRAFFIC JACKET

ANSI/ISEA 107 TYPE R CLASS 3

EN 343 CLASS 3:1 X WP 15,000MM











- \cdot Waterproof with sealed seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- \cdot Quilt lined for thermal insulation
- · Internal tablet pocket for safe storage
- · Inner knitted cuff
- Contrast panels for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz
100% Polyester, 2oz
100% Polyester, 5oz
Yellow/Black S-6XL











INSULATED JACKET



US466



HI-VIS CONTRAST TRAFFIC JACKET

ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3** ASTM F2732 -31 °F TO 32 °F

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.345 (M2.K/W), 2, X

- · Waterproof with sealed seams preventing water penetration
 - Extremely water resistant fabric finish, water beads away from fabric surface · Internal pocket for safe storage
 - · Inner knitted cuff
 - Quilt lined for thermal insulation
 - · Contrast panels for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 100% Polyester, 2oz 100% Polyester, 5oz

Yellow/Black S-7XL, Yellow/Navy S-5XL, Yellow/Royal S-3XL





















ANSI/ISEA 107 TYPE P CLASS 3 EN ISO 20471 CLASS 3

EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.345 (M2.K/W), 2, X

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Internal chest pocket
- · Inner ribbed cuffs for warmth and comfort
- · Fully lined and padded to trap the heat and

Oxford Weave with a Stain Resistant















INSULATED

1HR

8HR











3-IN-1 BOMBER **JACKET**

ANSI TYPE R CLASS 3

ANSI

TYPE P

CLASS 3









UC465

HI-VIS CONTRAST BOMBER JACKET

ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.344 (M2.K/W), 2, X

- · Waterproof with sealed seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- Zipped chest pockets
 - · Knitted cuffs and hem
 - Detachable sleeves, fur liner and fur collar provide multi-seasonal options for the wearer

Jacket can be worn three ways for multi use.

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 100% Polyester, 2oz 100% Polyester Fur Lining, 12oz Sleeve: 100% Polyester, 3.5oz Yellow/Navy M-6XL

MAX LOW TEMPS -33°F -1°F

8HR

1HR

WATERPROOF **WITH SEALED SEAMS**







2 WITHOUT FUR LINING



3 BODYWARMER VEST











2-IN-1 BOMBER **JACKET**







US364

HI-VIS PREMIUM 2-IN-1 BOMBER

ANSI/ISEA 107 TYPE R CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Pack away hood for added functionality
- · Detachable lining for added versatility in all weather conditions
- · 7 pockets for ample storage
- · ID card holder for ID card display

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester, 20z 100% Polyester Fleece, 8oz Yellow/Black S-7XL



Internal **TABLET** pocket for safe storage 10"x 14"



CAPE WITH























The bright fluorescent fabric combined with flexible HiVisTex Pro segmented reflective tape and contrast trim offers the highest visibility in low light conditions. Ideal for those who will not compromise on style, comfort and performance.



US387 95 ✓ ✓ PUBLIC SAFETY VEST



PW52 383

PS12 391

S395 104 P
DETROIT SHORT
SLEEVE T-SHIRT



UH449 143 PHI-VIS REVERSIBLE BOMBER JACKET



UH449 153 PHI-VIS REVERSIBLE RAIN COAT 48"



T802 67 KX3 RIPSTOP FLEX PANTS



S130 69 RIPSTOP LONG SLEEVE SHIRT

DESIGNED FOR WORKING IN PUBLIC SAFETY ENVIRONMENTS

2-IN-1 BOMBER **JACKET**

LINED



UH449

HI-VIS REVERSIBLE BOMBER HS JACKET

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

EN 343 CLASS 3:1 X WP 15,000MM

· Waterproof with sealed seams preventing water penetration

- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Jacket can be worn two ways for multi use
- · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- Two tone heat applied segmented reflective tape for added visibility
- Quick and easy side access to weapon holster

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant

finish, Double PU Coated, 5.5oz Yellow/Black XS-5XL





ENGINEERED WITH SAFETY IN MIND



QUICK AND EASY PASS THROUGH ACCESS TO WEAPON HOLSTER



















WINTER X BACK BOMBER JACKET













2-IN-1 BOMBER **JACKET**



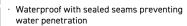


US367

HI-VIS 2-IN-1 CONTRAST TAPE BOMBER JACKET

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

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM



- · Extremely water resistant fabric finish, water beads away from fabric surface · Pack away hood for added functionality
- · Detachable lining for added versatility in all weather conditions
- · 6 pockets for ample storage
- · Concealed cell phone pocket



300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester, 2oz 100% Polyester Fleece, 8oz Yellow/Black S-7XL



UNBEATABLE VALUE MAXIMUM VISIBILITY

















BOMBER JACKETS

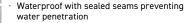


US463

HI-VIS BOMBER JACKET ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.336 (M2.K/W), 2, X



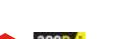
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Internal chest pocket
- · Fleece lined collar to trap the heat and increase warmth
- Hook and loop cuffs for a secure fit
- · Fully lined and padded to trap the heat and increase warmth



300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester, 2oz 100% Polyester, 5oz Yellow S-7XL

NEW FEATURE ADJUSTABLE CUFF TAB















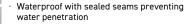


URT32

HI-VIS BOMBER JACKET ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.336 (M2.K/W), 2, X



- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Internal chest pocket
- · Inner ribbed cuffs for warmth and comfort
- · Pack away detachable hood for convenience
- Fully lined and padded to trap the heat and increase warmth



300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

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

















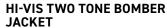




BOMBER JACKETS



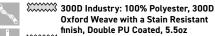
US363



ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3 ASTM F2732 -32 °F T0 32 °F

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Internal tablet pocket for safe storage
- · ID card holder for ID card display
- · Inner ribbed cuffs for warmth and comfort
- · Contrast panels for protection against dirt



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

Orange/Black S-5XL, Yellow/Black S-7XL, Yellow/Black Tall L-3XL





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











BACK

INSULATED

RAIN SHELL JACKET

LINED



Portwest Extreme™ is a premium high performance rainwearfabric constructed from 100% Polyester, 300D Stretch Oxford 6oz. Offering superior comfort, function and endurance in all weather conditions.

Waterproof, breathable and windproof to the highest standards, this fabric far exceeds the current highest industry requirements.





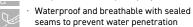
PW360

PW3 HI-VIS EXTREME RAIN JACKET

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

EN ISO 20471 CLASS 3 EN 343 CLASS 4:3 X

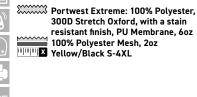
WP 11,000MM MVP 50,000G/M²/24HRS



- Premium stain resistant finish repels oil, water and grime
- · Internal pockets for safe storage
- · Quick dry knitted cuff for a snug and comfortable fit
- Underarm pit zippers for enhanced breathability
- · Waterproof zippers to prevent water penetration













BACK







MESH LINED JACKET



US361



HI-VIS CONTRAST TAPE RAIN JACKET ANSI/ISEA 107 TYPE R CLASS 3

ANSI/ISEA 107 TYPE P CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM



- · Waterproof with sealed seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- · Pack away hood for added functionality
- · Hook and loop cuffs for a secure fit · Storm flap front to protect against the elements
- · Reflective tape for increased visibility

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 100% Polyester Mesh, 2oz

Yellow/Black S-6XL





CAPE WITH **D-RING OPENING**











BACK

MESH LINED **JACKET**



LW70

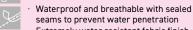
WOMEN'S HI-VIS BREATHABLE JACKET

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

UPF EN ISO 20471 CLASS 3

EN 343 CLASS 4:3 X

WP 10,000MM, MVP 10,000G/M2/24HRS



- · Extremely water resistant fabric finish, water beads away from fabric surface
- Zipped pockets
- · Hook and loop cuffs for a secure fit
 - · Curved back hem for added protection
 - · Storm flap front to protect against the elements

300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 5.5oz

100% Polyester Mesh, 2oz Yellow XS-3XL

300D Breathable: 100% Polyester,











CLASS 3

ANSI TYPE P

CLASS 3











JACKET ANSI/ISEA 107 TYPE R CLASS 3

ANSI/ISEA 107 TYPE P CLASS 3 EN ISO 20471 CLASS 3

EN 343 CLASS 3:1 WP 10,000MM

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Pack away hood for added functionality
- · Hook and loop cuffs for a secure fit
- · Storm flap front to protect against the
- elements
- · 5 pockets for ample storage

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester Mesh, 2oz Orange/Black S-5XL, Yellow/Black S-6XL

















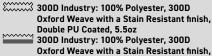


HI-VIS REVERSIBLE RAIN COAT 48" ANSI/ISEA 107 TYPE R CLASS 3

ANSI/ISEA 107 TYPE P CLASS 3

EN 343 CLASS 3:1 X **UPF** WP 15,000MM

- · Waterproof with sealed seams preventing water penetration
 - · Extremely water resistant fabric finish, water beads away from fabric surface
 - · Extra protection against the rain with an extended 48 back
 - · Detachable hood
 - · Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
 - · Quick and easy pass through access to weapon holster



Double PU Coated, 5.5oz Yellow/Black XS-5XL















COAT **LENGTH 48 INCHES**















FABRIC INFORMATION

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







BACK





12



GARMENT BENEFITS

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











FABRIC INFORMATION

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



US160

HI-VIS LITE TRAFFIC JACKET ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**

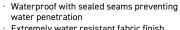
EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5,000MM











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

100% Polyester, 150D Oxford Weave, PVC Coated, 6oz 100% Polyester Mesh, 2oz

Yellow S-6XL

GUARANTEED LIGHTWEIGHT **PROTECTION**









RAIN COATS



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.

ANSI TYPE R CLASS 3

ANSI TYPE P







ANSI/ISEA 107 TYPE P CLASS 3

EN 343 CLASS 3:1 X WP 5,000MM

UH446

- · Waterproof with sealed seams preventing water penetration · Extremely water resistant fabric finish, water beads away from
- fabric surface · Extra protection against the cold with an extended 48" back
- · Pack away hood for added functionality
- · Inner elasticated cuff
- · Increased breathability with a vented back yoke

100% Polyester, 190T, Plain Weave, PVC coated, 6oz Yoke Only: 100% Polyester Mesh, 2oz Yellow/Black S-5XL









ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**

EN ISO 20471 CLASS 3

EN 343 CLASS 3:1 X WP 5,000MM



- · Waterproof with sealed seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- · Extra protection against the cold with an extended 48" back
- · Drawcord hood and hem for a secure and comfortable fit
- · Inner elasticated cuff
- · Increased breathability with a vented back yoke

100% Polyester, 190T, Plain Weave, PVC coated, 6oz Yoke Only: 100% Polyester Mesh, 2oz Yellow XS-8XL, Orange S-4XL













CONTRAST TAPE RAIN JACKET





UH400

HI-VIS CONTRAST TAPE RAIN JACKET

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

EN 343 CLASS 3:1 X WP 5,000MM



- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · 2 pockets for secure storage
 - $\cdot\,$ Drawcord hood and hem for a secure and comfortable fit
- · Inner elasticated cuff
 - · Increased breathability with a vented back yoke

100% Polyester, 190T, Plain Weave, PVC coated, 6oz Yoke Only: 100% Polyester Mesh, 2oz Yellow S-5XL



BACK







RAIN JACKET



UH443



HI-VIS CLASSIC CONTRAST RAIN JACKET

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

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5,000MM

- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · 2 pockets for secure storage
- · Pack away hood for added functionality
- · Inner elasticated cuff
- · Increased breathability with a vented back yoke

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

Yoke Only: 100% Polyester Mesh, 2oz Yellow/Black XS-7XL











ANSI

TYPE R

CLASS 3

ANSI

TYPE P







HI-VIS RAIN JACKET ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3

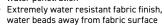


EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 5,000MM



· Waterproof with sealed seams preventing





- · 2 pockets for secure storage
- · Drawcord hood and hem for a secure and comfortable fit
- · Inner elasticated cuff
- · Increased breathability with a vented back yoke

100% Polyester, 190T, Plain Weave,

Yoke Only: 100% Polyester Mesh, 2oz Orange S-5XL, Yellow XS-8XL

PVC coated, 6oz

























EN ISO 20471 CLASS 3

- · Made of durable breathable, windproof and water resistant fabric
- Micro polar fleece lined and bonded with shell
- Extremely water resistant fabric finish, water beads away from fabric surface
- · Internal pocket for safe storage
- · Contrast panels for protection against dirt
- · Zipped chest pocket

94% Polyester, 6% Elastane laminated with 100% Polyester Micro Polar Fleece, 9oz

Yellow/Black S-6XL







CLASS 1 SOFTSHELL







PW3 HI-VIS CLASS 1 SOFTSHELL JACKET

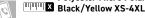
ANSI/ISEA 107 TYPE 0 CLASS 1 HS

EN ISO 20471 CLASS 1 WATERPROOF / BREATHABILITY

WP 8.000MM, MVP 3.000G/M2/24HR

- · Made of durable breathable, windproof and water resistant fabric · Lightweight flexible HiVisTex Pro segmented reflective tape for
- increased visibility
- · Side zipper pockets
- · Concealed cell phone pocket · Mic tabs for easy clipping of a radio
- · Drawcord adjustable hem

94% Polyester, 6% Elastane laminated with 100% Polyester Micro Polar Fleece, 9oz

















SIDE ZIPPER LEG OPENING FOR EASY ACCESS



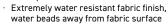
PW3 HI-VIS WINTER PANTS

ANSI/ISEA 107 CLASS E EN ISO 20471 CLASS 2

EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.356 (M2.K/W), 2, X

· Waterproof with sealed seams preventing water penetration



· 16 pockets for ample storage · Detachable bib and braces for greater versatility

· Zip off holster pockets for added versatility

· Side zipper leg opening for easy access

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Nylon 5.5oz 100% Polyester, 2oz 100% Polyester, 5oz

Yellow/Black S-5XL





INSULATED WINTER PROTECTION















PW3 HI-VIS EXTREME RAIN HS PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2 EN 343 CLASS 4:3 X

WP 11,000MM, MVP 50,000 G/M2/24HRS EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)

- · Waterproof and breathable with sealed seams to prevent water penetration
- · Premium stain resistant finish repels oil. water and grime
- · 8 pockets for ample storage
- · High cut padded back waistband keeps lower back warm
- · Side zipper leg opening for easy access
- Ergonomically shaped hem for the perfect fit over boots

Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 6oz

Yellow/Black S-4XL



HIGH VISIBILITY NEW PRODUCT OF THE YEAR -IMPROVING WORKPLACE SAFETY









CLASS E WOMEN'S PANTS







PW386

PW3 HI-VIS WOMEN'S RAIN HS PANTS

> water beads away from fabric surface · Multiple side zipper compartments for

· Contrast panels for protection against dirt

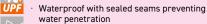
· Side zipper leg opening for easy access

ANSI/ISEA 107 CLASS E

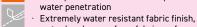
EN ISO 20471 CLASS 2 EN 343 CLASS 3:1 X WP 15,000MM

secure storage

· Rule pocket



























300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz Yellow/Black XS-XXL

DESIGNED FOR WOMEN TO REDUCE THE RISK OF TRIPPING AND SNAGGING AND TO INCREASE COMFORT, WHILE KEEPING YOU VISIBLE AND DRY.













ANSI

CLASS E



HI-VIS RAIN PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2 EN 343 CLASS 3:1 X WP 15,000MM



- · Waterproof with sealed seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- Quick and easy pass through pocket
- · Side zipper leg opening for easy access
- · Fully elasticated waistband for ultimate wearer comfort
- Contrast panels for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

Yellow/Black S-4XL

ANSI

CLASS E





S486

HI-VIS TWO TONE TRAFFIC PANTS



ANSI/ISEA 107 CLASS E EN ISO 20471 CLASS 2 FN 343 CLASS 3:1 X

WP 15,000MM



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

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

Yellow/Black S-6XL





CLASS E







S598

HI-VIS LINED RAIN PANTS

ANSI/ISEA 107 CLASS E

EN 343 CLASS 3:1 X WP 15,000MM

- Waterproof with sealed seams preventing water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- Pass through pockets
 - Zipped ankles for easy fitting over work boots
 - Fully lined and padded to trap the heat and increase warmth
 - Contrast panels for protection against dirt

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

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

Yellow/Black S-4XL





























S480

HI-VIS TRAFFIC PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 1

EN 343 CLASS 3:1 X

WP 15,000MM



- · Waterproof with sealed seams preventing water penetration
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Quick and easy pass through pocket
- · Snap adjustable hems for a secure fit
- · Fully elasticated waistband for ultimate wearer comfort
- · Reflective tape for increased visibility

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

☐☐☐ Orange S-3XL, Yellow S-6XL



CLASS E





S493

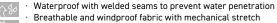
SEALTEX ULTRA REFLECTIVE PANTS

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 1

EN 343 CLASS 3:2 X

WP 5,000MM MVP 3,000G/M2/24HRS



- properties Extremely water resistant fabric finish, water beads away from
- fabric surface
- · Fully elasticated waistband for ultimate wearer comfort
- · Snap adjustable hems for a secure fit
- Heat applied reflective tape for added visibility

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 5.5oz Yellow XS-5XL



















ANSI

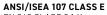
CLASS E







HI-VIS CONTRAST TAPE RAIN PANTS



EN 343 CLASS 3:1 X WP 5,000MM



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

100% Polyester, 190T, Plain Weave,

PVC coated, 6oz Yellow S-5XL



CLASS E





H441

HI-VIS RAIN PANTS

ANSI/ISEA 107 CLASS E EN ISO 20471 CLASS 1

EN 343 CLASS 3:1 X WP 5,000MM



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

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

Orange S-5XL, Yellow XS-6XL

ANSI

CLASS E





H444

HI-VIS CLASSIC CONTRAST **RAIN PANTS**

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 1 EN 343 CLASS 3:1 X

WP 5,000MM

- Waterproof with sealed seams preventing water penetration
- Extremely water resistant fabric finish,
- water beads away from fabric surface Fully elasticated waistband for ultimate wearer comfort
- Snap adjustable hems for a secure fit
- · Twin-stitched seams for extra durability
- · Contrast panels for protection against dirt

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

Yellow/Black S-6XL





















CLASS E BIB AND BRACE







CONTRAST BIB AND BRACE -UNLINED



EN ISO 20471 CLASS 2 EN 343 CLASS 4:3 X

WP 10,000MM, MVP 10,000G/M²/24HRS

- Waterproof and breathable with sealed seams to prevent water penetration
- Extremely water resistant fabric finish, water beads away from fabric surface
- · Back patch pocket
- · Double rule pocket
- Elasticated back panel
- · Adjustable side opening for added flexibility

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

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







CONTRAST BIB AND BRACE -LINED

ANSI/ISEA 107 CLASS E

EN ISO 20471 CLASS 2 EN 343 CLASS 3:1 X WP 15.000MM

EN 342 0.341 (M2.K/W), 2, X

Waterproof with sealed seams preventing water penetration

- Extremely water resistant fabric finish, water
- beads away from fabric surface Lined for added warmth and comfort
- Multiple utility pockets providing ample
- · Adjustable side opening for added flexibility · Zipped ankles for easy fitting over work boots

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

finish, Double PU Coated, 5.5oz 100% Polyester, 2oz 100% Polyester, 5oz

Yellow/Black S-5XL, Yellow S-4XL











H449

HI-VIS BIB AND BRACE ANSI/ISEA 107 CLASS E

EN 343 CLASS 3:1 X WP 5,000M

 $\cdot\;$ Sealed seams to provide additional protection

- · Extremely water resistant fabric finish, water beads away from fabric surface
- Concealed chest pocket
- · Snap adjustable hems for a secure fit
- Adjustable straps with durable buckle closure
- · Back elastic for ease of movement

100% Polyester, 190T, Plain Weave, PVC coated, 6oz Yellow S-5XL





















INSULATED RAINWEAR COVERALL



S485

HI-VIS CONTRAST COVERALL ANSI/ISEA 107 TYPE R CLASS 3 **ANSI/ISEA 107 TYPE P CLASS 3**

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.341 (M2.K/W), 2, X

- · Waterproof with sealed seams preventing water penetration
 - · Extremely water resistant fabric finish, water beads away from fabric surface
 - · Inner ribbed cuffs for warmth and comfort
 - Zipped ankles for easy fitting over work boots
 - · Contrast panels for protection against dirt
 - · Quilt lined for thermal insulation

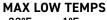


300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz 100% Polyester, 2oz

100% Polyester, 5oz Orange/Navy S-6XL, Yellow/Black S-7XL, Yellow/Navy S-7XL









QUILT LINED FOR MAXIMUM WARMTH



SIDE LEG GUSSET











ACCESSORIES





HV55 HI-VIS STRAP

- Durable polyester PVC coated fabric
- · Reflective tape for increased visibility
- · Waist and shoulder band width 3"
- · Adjustable hook and loop fastening for flexible sizing

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





HA15 HI-VIS RANGER HAT

- Cooling mesh fabric for increased breathability
- · Reflective tape for increased visibility
- Adjustable cord and toggle for a secure fit

100% Polyester Oxford 300D, 6oz 100% Polyester Mesh, 4.5oz Yellow S/M,L/XL



HA16 HI-VIS NECK SHADE

- · Cooling mesh fabric for increased breathability
- · Reflective tape for increased visibility

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





HA20 HI-VIS MESH SUN SHIELD

- Cooling mesh fabric for increased breathability
- Adjustable straps for a secure fit
- Reflective trim for increased visibility and



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



PACK BAG



ACCESSORIES





B029 BEANIE LED HEAD LAMP USB RECHARGEABLE ROHS



- Brightness 150 lumens
- Run time 2/4 hours
- USB rechargeable
- Function high-medium-flash
- Beam distance 10 yards (high), 5 yards (medium)
- Retail tag which aids presentation for retail sales

100% Acrylic, Knit Black, Gray, Navy, Orange, Yellow One Size





B033 WORKMAN'S LED **BEANIE**



- Brightness 150 lumens
- · Run time 2/4 hours
- · USB rechargeable
- · Function high-medium-flash
- Beam distance 10 yards (high), 5 yards
- (medium) Retail tag which aids presentation for retail

sales

100% Acrylic, Knit □□□□□■ Navy One Size





B034 TWO TONE LED RECHARGEABLE BEANIE **ROHS**

USB

- · Brightness 150 lumens
- Run time 2/4 hours
- USB rechargeable
- · Function high-medium-flash
- Beam distance 10 yards (high), 5 yards (medium)
- Retail tag which aids presentation for retail sales

100% Acrylic, Knit Black/Gray One Size



B028 RECHARGEABLE TWIN LED BEANIE



- Two removable LED lights front and back
- Brightness 150 lumens
- Run time 2/4 hours
- · USB rechargeable
- Function high-medium-flash
- Beam distance 10 yards (high), 5 yards (medium)



100% Acrylic, Knit Black, Gray, Navy, Orange, Yellow One Size



B027 JUNIOR BEANIE LED **HEAD LAMP**





- · Run time 2/4 hours
- USB rechargeable · Function high-medium-flash
- - Beam distance 10 yards (high), 5 yards (medium)

Retail tag which aids presentation for retail sales

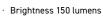


💢 100% Acrylic, Knit Black, Navy, Yellow One Size Kids Size: Ages 7 - 12





B030 REPLACEMENT BEANIE HEAD LAMP





ROHS

· Run time 4 hours

- · USB rechargeable
- Function high-medium-flash
- Beam distance 10 yards (high), 5 yards
- Retail box which aids presentation for retail sales

ABS

||||||||X Black One Size

Length 2.5" x Width 1.7" x Height 0.6"

ACCESSORIES





HV05 ILLUMINATED **FLASHING ARMBAND**





- Adjustable straps for a secure fit
- · Bright, compact and lightweight Battery life of 80 hours
- · CR2032 battery, 3V
 - Panel lights up with touch of a button and emits a bright red glow for added visibility
 - Retail bag which aids presentation for retail sales

ABS, LED, TPU Yellow One Size Length 15.7" x Width 1.4"





PA70 USB RECHARGEABLE LED HEAD LAMP



- Brightness 150 lumens
- Run time 4 hours
 - USB rechargeable
 - Recharge time 5 hours
 - · Function high-medium-flash
 - Micro USB charging cable included

ABS

■ Black One Size Length 3.1" x Width 1.9" x Height 1.2"





PA50 LED HEAD LAMP

- Brightness 40 lumens
 - Run time 10 hours
 - Batteries included AAA x 3
 - Function high-medium-flash
 - Beam distance 15 yards (high), 10 yards (medium)
 - Tilt control for different working positions

ABS

Silver One Size

Length 3.1" x Width 2.1" x Height 1.6"











HV12 USB RECHARGEABLE LAMP CLIP

ROHS

· Brightness 150 lumens

- · Run time 4 hours
- · USB rechargeable
- Function high-medium-flash
- Beam distance 10 yards (high), 5 yards (medium)
- · This product is sold in singles

ABS Black One Size Length 2.3" x Width 1.2" x Height 1"





PA63 DUAL POWER HEAD **LAMP**

ROHS

- Brightness 100 lumens · Run time 8 hours
- · Batteries included AAA x 3
- · Function high-medium-flash
- Beam distance 10 yards (high), 5 yards (medium)
- · Bright, compact and lightweight

ABS

Yellow/Black One Size Length 2.9" x Width 2.4" x Height 1.9"





PA71 USB RECHARGEABLE **HEAD LAMP**

ROHS

Brightness 100 lumens

- Run time 1 hour high, 5 hours low
- USB rechargeable
- Recharge time 4 hours
- Function high-low-red-red flash
- Beam distance 55 yards

ABS |||||||||||| ■ Black One Size

Length 2.3" x Width 1.5" x Height 1.7"

FLAME RESISTANT



MARKET LEADING FABRICS

This industry leading flame resistant range provides multistandard protection for hazardous environments. These state of the art products are the result of years of experience combined with advanced technology and market research. Commitment to the health, safety and comfort of the wearer can be seen in the wide range of products suitable for all climates and end uses.



This inherently lightweight flame resistant Portflame Plus™ fabric offers luxurious comfort and is ideal for hot climates. Constructed using 50% Viscose, 30% Modacrylic, 18% Aramid, 2% Anti-Static, Portflame Plus™ is available in 5.5oz.



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, hardwearing and offers 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 antistatic.



Bizweld® 100% cotton 9.5oz fabric is completely flame resistant. All Bizweld garments offer excellent flame and molten splash protection for welding, foundries and allied industries.



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.

FLAME RESISTANT - USA Standards



NFPA® 2112

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 materials.

•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 fabrics resistance to shrinkage when exposed to heat.

·Heat Resistance Test

This test measures how fabrics and components react to the high heat that could occur during a flash fire.

•ASTM F1930-11 - Thermal Manikin Test This test provides an overall evaluation of how the fabric performs in a standardized coverall design after three-second thermal exposure.

•FTMS 191A - Thread melting resistance Test

Thread used in flame resistant garments must withstand temperatures of up to



NFPA® 70E

This standard addresses electrical safetyrelated 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. 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.

PPE Category	Clothing description	Required minimum Arc rating of PPE/ cal/cm²
ARC	CAT/ARC 1: Arc rated FR Shirt and FR Pants or FR Coverall	4
2 ARC	CAT/ARC 2: Arc rated FR Shirt and FR Pants or FR Coverall	8
3 ARC	CAT/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
4 ARC	CAT/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

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 tested.

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).

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 61482-2:2018 / EN 61482-2:2020

Protective Clothing Against the Thermal Hazards of an Electric Arc

The new updated version of IEC 61482-2:2018 has a new symbol, replacing the 2009 symbol.

During a transition period, stock garments will have mixed symbols





This standard specifies requirements and test methods applicable to materials and garments for protective clothing against the thermal effects of an electric arc event. An electric arc is a continuous electric discharge of high current between conductors generating very bright light and intensive heat

Two international test methods have been developed to provide information on the resistance of clothing to the thermal effects of electric arcs. Each method gives different information. To comply with the standard

either or both tests must be carried out.

Open Arc Method IEC 61482-1-1.

This test method aims to establish the ELIM (Incident Energy Limit) ATPV (Arc Thermal Performance Value) or EBT (Energy Breakopen Threshold) of a fabric. ELIM is a new value that was been added to the updated version of IEC 61482-1-1, the Open Arc test method. This value (cal/cm2) is the highest incident thermal energy to which the garment can be exposed with a 0% risk of the wearer getting a second-degree burn injury. The ELIM rating usually has a lower calorific value than ATPV and EBT . ATPV and EBT are measured against a 50% risk of the wearer getting a second-degree burn injury. An ATPV value or an EBT value is determined by how the fabric reacts to the arc test. If a hole appears first, the value is set as EBT and if high heat passage is first, it will be ATPV. Both ATPV and EBT are also expressed in calories per cm2. The higher the calorific value of the garment or fabric, then the greater the protection for the wearer. The Stoll Curve is used in testing along with a graph of

heat flux exposure times. The point at which the heat flux cross the Stoll Curve is identified as the point at which a human would feel pain and be at risk of second-degree burns.

Box Test Method IEC 61482-1-2

During this test, fabric or garments are exposed to an electric arc, stimulating typical exposure conditions for a short circuit current, confined in a box for 0.5 seconds, resulting in either an APC 1 or APC 2 classification.

APC 1 and APC 2 (APC = Arc Protection Class) will replace Class 1 and Class 2 in the updated IEC 61482-1-2, Box test method. The values remain the same ie. APC 1 (formerly Class 1) is to a current of 4kA (400V, 168Kj) and APC 2 (formerly Class 2) is to a current of 7kA (400V, 320Kj)

Garments can be layered to achieve an overall ELIM, ATPV or EBT Rating. For example, a thermal layer may achieve an EBT of 4.3 Cal/m², and an outer coverall may achieve an ELIM of 13.6 Cal/cm².

However, the combination EBT/ELIM ratings will be greater than the sum of the two single layers, as the air gap between the two layers affords the wearer additional protection.

ASTM F1959/F1959M-14 FABRIC ONLY TEST. This US Test Method determines the Arc Rating (ATPV or EBT) of a fabric or a multi-layer combination of fabrics. The test method is similar to IEC 61482-1-1. Pre-treatment may vary.

ARC RATED PPE	REQUIRED MINIMUM ARC RATING OF PPE/ CAL/CM ²		
1 ARC	4 CAL/CM ²		
2 ARC	8 CAL/CM ²		
3 ARC	25 CAL/CM ²		



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 levels
- · Molten iron splash (E) 3 levels
- · Contact heat (F) 3 levels (temperature 250°C)
- Heat resistance at a temperature of 180°C
- 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 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

higher levels of spatter and radiant heat.

welding techniques and situations, causing

Specific testing is listed below:

- Tensile strength
- Tear strength
- · Bursting strength

- Seam strength
- Dimensional changeRequirements of leather
- Limited flame spread (A1 + A2)
- Molten droplets
- Heat transfer (radiation)
- Electrical resistance



EN 1149: 2018

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

This European standard is part of a series of standards for test methods and requirements for electrostatic properties of protective clothing. The standard specifies material and design requirements for garments used as part of a total earthed system, to avoid incendiary discharges. The requirements may not be sufficient in

oxygen enriched flammable atmospheres. This standard is not applicable for protection against mains voltages.

EN 1149 consists of the following parts

EN 1149-1: Test method for measurement of surface resistivity.

EN 1149-2: Test method for measurement

of the electrical resistance through a material (vertical resistance)

EN 1149-3: Test methods for measurement of charge decay

EN 1149-4: Garment Test (under development)

EN 1149-5: Material performance and design requirements.

Electrostatic dissipative protective clothing shall be able to permanently cover all non-complying materials during normal use. Conductive parts (zippers, buttons etc) are permitted provided they are covered by the outermost material when in use.



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.





PREMIUM INHERENT FLAME PROTECTION



ASTM F1959/ F1959M-12

NFPA 2112 NFP/ 70E

Modaflame™ Knit 5.5oz, 8oz, 9oz and 12oz

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



ULTIMATE INHERENT FLAME PROTECTION



ASTM F1959/ F1959M-12

NFPA 2112 NFPA 70E

Portflame Plus 5.5oz

Catering to the requirements for flame and arc resistance, this Portflame PlusTM fabric offers a very light weight with the highest level of protection. Providing a high moisture absorption and comfort due to the Viscose fibers, the Modacrylic/ Aramid blend enhances the feel and comfort to a very high level, without compromising on the thermal performance of the fabric.

Constructed using 50% Viscose, 30% Modacrylic, 18% Aramid, 2% Anti-Static, Portflame $Plus^{TM}$ is available in 5.5oz.

- Inherently Flame Resistant Portflame Plus™ guarantees to hold its flame resistant properties indefinitely after multiple washes.
- · Extremely robust Portflame Plus™ will not ignite, melt or shrink when exposed to heat.
- Preshrunk and color fastness, this fabric has high shrink resistance and won't lose its color after multiple washes.
- · Provides anti-static properties
- Flame Resistant certification and standards exceed international safety standards for flame and electric arc protection.







PREMIUM FLAME RESISTANCE



ASTM F1959/ E1050M-12

NFPA 70E

Bizflame Work 7oz

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

- High ATPV on Bizflame Work fabric provides ARC 2 (13.6 CAL/CM²) electric arc protection.
- Anti-Static carbon fibers provide built in anti-static properties exceeding EN1149-5 standard.
- Exceptional tensile strength ensures the fabric can withstand superior job-rated abrasion and tear resistance.
- High level of breathability and moisture wicking properties provides lasting comfort for the wearer.

OTHER BIZFLAME FABRICS:

BIZFLAME* WORK 99% COTTON, 1% CARBON FIBER



88% COTTON, 12% NYLON



100% COTTON DUCK



100% COTTON



100% POLYESTER, WARP KNITTED



98% COTTON, 2% ELASTANE



98% POLYESTER, 2% ANTISTATIC CARBON FIBER, BREATHABLE, PU COATED



86% COTTON, 12% NYLON, 2% ELASTANE



MAXIMUM FLAME AND WELDING PROTECTION



ASTM F1959/ F1959M-1

NFPA 2112

NFP/

Flame Resistant Bizweld

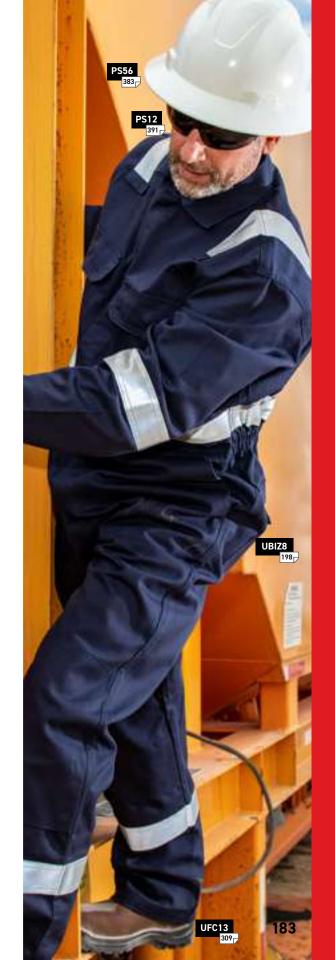
100% Cotton 9.5oz

Bizweld is a proprietary, flame resistant, 100% high grade cotton fabric. This is a high technology fabric developed for maximum performance, comfort and durability.

Bizweld is made from 100% ringspun cotton yarns offering excellent pilling resistance while guaranteeing comfort, warmth and protection for the wearer. The finish applied to the fabric ensures it will hold its flame resistant protective properties for at least 50 washes (EN standards) and 100 washes (US standards).

Bizweld fabric is independently tested and certified to exceed the international safety standards for flame and welding protection. This fabric is globally available and is worn with confidence by thousands of workers across the oil and gas, welding and allied industries.

- Outstanding flame-resistant performance exceeds international safety standards for flame and welding protection (EN ISO 11612 and EN ISO 11611).
- Provides exceptional protection against radiant, convective and contact heat as well as molten metal splashes.
- Provides 11.2 CAL/CM² electric arc protection.
- Provides a high level of protection against molten metal splashes. Ideal for welding and allied processes.
- Outstanding results for burn injury prediction when tested to the optional test ISO 13506 under EN ISO 11612.



FABRIC REFERENCE CHART

	STYLES	COMPOSITION	WEIGHT	PAGE	WEAVE / FINISH	NFPA° 2112	NFPA° 70 E	ASTM F1506	
IZFLAME DRK	UFR21	99% Cotton, 1% Carbon Fiber	7oz	193	Twill		Ø	②	
	UFR88, FR94	88% Cotton, 12% Nylon	7oz	197, 194	Twill	②	②	②	
	FR706, FR89	88% Cotton, 12% Nylon	7oz	209, 208	Twill	②	Ø	②	
	UFR87, FR504	88% Cotton, 12% Nylon	7oz	197, 195	Twill	②	Ø	②	
ZFLAME /12	FR505	88% Cotton, 12% Nylon	7oz	196	Twill	②	②	②	
/12	FR13	88% Cotton, 12% Nylon	7oz	216	Twill				
	UFR97	88% Cotton, 12% Nylon	7oz	207	Twill	②	②	②	
	FR95	88% Cotton, 12% Nylon	7oz	208	Twill	②	②	②	
	UFR23	88% Cotton, 12% Nylon	7oz	215	Twill	Ø	②	②	
ZFLAME EX PLUS	FR404	86% Cotton, 12% Nylon, 2% Elastane	10oz	203	Plain Weave	Ø	Ø	Ø	
ZWELD.	UBIZ1, UBIZ5, BZ31	100% Cotton, FR Finish	9.5oz	199, 198, 205	Twill	②	Ø	Ø	
IRADUCK"	UFR48, UFR49	100% Cotton Duck	10oz	200, 201	Plain Weave	②	Ø	②	
ZFLAME'	FR54	98% Cotton, 2% Elastane	10oz	204	Twill	②	Ø	Ø	
ZFLAME"	FR01, FR02	100% Cotton	7oz	212, 212	Interlock Knit				
	FR708	100% Cotton	12oz	210	Knit	Ø	Ø	Ø	
ZFLAME	FR33, FR32	99% Cotton, 1% Carbon Fiber	7oz	213, 213	Knit	Ø	•	Ø	
T / / /	FR39	99% Cotton, 1% Carbon Fiber	7oz	216	Knit		Ø	Ø	
IRTFLAME [®]	FR705	50% Viscose, 30% Modacrylic, 18% Aramid, 2% Anti-Static	5.5oz	206	Twill	Ø	Ø	Ø	
	UFR81, FR09	60% Modacrylic, 39% Cotton, 1% Carbon Fiber	9oz	210, 217	Knit				
	FR709	60% Modacrylic, 40% Cotton	8oz	211	Knit		②	②	
DAFLAME	UMV21, UFR24	60% Modacrylic, 39% Cotton, 1% Carbon Fiber	5.5oz	214, 214	Knit		②	②	
	FR96	60% Modacrylic, 40% Cotton	8oz	211	Knit		②	②	
	FR17	60% Modacrylic, 40% Cotton	8oz	216	Knit				
	FR19	60% Modacrylic, 39% Cotton, 1% Carbon Fiber	12oz	217	Knit				
ZFLAME'	FR75	100% Polyester, Warp Knit	3.5 oz	215	Knit				
EALTEX AME HV	FR44, FR41, FR43	100% Polyester, Flame Resistant and Antistatic, PU Coated	7.5 oz	190, 191, 191	PU Coated				
ZFLAME"	US773	98% Polyester, 2% Antistatic Carbon Fiber, Breathable, PU Coated	7.5 oz	188	PU Coated				
	S783	98% Polyester, 2% Antistatic Carbon Fiber, Breathable, PU Coated	7.5 oz	189	PU Coated				T

ASTM F1959	ANSI/ISEA 107 - 2015	<u>2</u> EN 1149	EN ISO 11612	EN ISO 11611	IEC 61482-2	EN ISO 14116	EN ISO 20471	EN 13034	EN 343
ARC 2 8.2 Cal/cm1									
ARC 2 8.2 Cal/cm1			②						
ARC 2 8.2 Cal/cm2			Ø						
ARC 2 8.2 Cal/cm2									
ARC 3 34 Cal/cm2									
8.2 Cal/cm2									
ARC 2									
11 Cal/cm2 ARC 2									
9 Cal/cm2 ARC 2	O		Ø				②		
9 Cal/cm2 ARC 2	②								
12 Cal/cm2 ARC 2									
11.2 Cal/cm2 ARC 4			Ø	Ø					
45 Cal/cm2									
ARC 2 14 Cal/cm2									
12 Cal/cm2			Ø						l
ARC 2 22 Cal/cm2									
ARC 2 10 Cal/cm2		②	0		②				
ARC 2 10 Cal/cm2									
ARC 2 8.7 Cal/cm2		②	Ø						
16 Cal/cm2		②	Ø						
ARC 2	②	Ø	Ø	Ø					
9 Cal/cm2 ARC 1	Ø								
5.1 Cal/cm2 ARC 2	O	②	Ø	②			②		
9 Cal/cm2									
22 Cal/cm2		②	Ø						
	Ø					Ø	Ø		
	②	Ø				②	②	Ø	Ø
	②	②				Ø	②	②	②
		Ø				Ø		②	②



FLAME RESISTANT PROTECTIVE WEAR





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.



BIZFLAME® RAIN



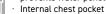
S783

BIZFLAME RAIN FR BOMBER JACKET

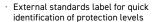
EN ISO 14116 INDEX 3 EN 1149 -5 EN 13034 TYPE PB [6] EN 343 CLASS 3:1 X



Flame resistant treated waterproof fabric prevents water penetration



- · Fully lined and padded to trap the heat and increase warmth
- \cdot Hook and loop cuffs for a secure fit
- · Storm flap front to protect against the elements





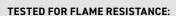
Bizflame Rain: 98% Polyester, 2% Antistatic Carbon Fiber, Breathable, PU Coated, 7.5oz 100% Cotton Flame Resistant Lining,



5oz 100% Modacrylic Flame Resistant,

4.5oz

Navy S-6XL



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









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.









FR,HA

FR41

SEALTEX FLAME FR HI-VIS JACKET

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

EN ISO 14116 INDEX 1

EN 1149 -5 EN 13034 TYPE 6

EN ISO 20471 CLASS 3 EN 343 CLASS 3:1 X



- · Waterproof with welded seams to prevent water penetration
- · Durable and stretchy with wipe clean finish
- \cdot Concealed snap opening with zipper front · Snap adjustable cuffs for a secure fit
- · Heat applied flame resistant tape
- · Hood for added protection against the elements

Sealtex Flame: 100% Polyester, Flame Resistant and Antistatic, PU Coated, 7.5oz X Yellow S-5XL





FR,HA

FR43

SEALTEX FLAME FR HI-VIS PANTS

ANSI/ISEA 107 CLASS E EN ISO 14116 INDEX 1

EN 1149 -5

EN 13034 TYPE 6 EN ISO 20471 CLASS 1 EN 343 CLASS 3:1 X

- Waterproof with welded seams to prevent water penetration
- Lightweight and comfortable
- · Durable and stretchy with wipe clean finish
- Snap adjustable hems for a secure fit
- Heat applied flame resistant tape
- · Fully elasticated waistband for ultimate wearer comfort

Sealtex Flame: 100% Polyester, Flame Resistant and Antistatic, PU Coated, 7.5oz Yellow S-5XL







BizFlame™ Work 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 fibers. Excellent tear and tensile strength offer durability while the premium quality cotton fibers give the fabric unrivaled comfort. Inherent anti-static carbon fiber.



UFR21

SUPER LIGHT WEIGHT FR ANTISTATIC COVERALL













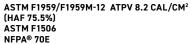






Eizflame Work: 99% Cotton, 1%

Navy S-4XL, Orange M-3XL



- · Lightweight for enhanced wearing comfort
- Reflective tape for increased visibility
- Action back for extra freedom of movement
- Durable, strong and long lasting brass
- Hook and loop cuffs for a secure fit
- · Rule pocket





LIGHTWEIGHT **FLAME RESISTANT PROTECTION**





7oz

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



FR94

BIZFLAME 88/12 IONA FR COVERALL FR,IW

ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM² (HAF 69.1%) **ASTM F1506**

ARC NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1

- · Dual hazard protection
- · Lightweight for enhanced wearing comfort
- · High cotton content for superior comfort
- · Reflective tape for increased visibility
- · Action back for extra freedom of movement
- · Durable, strong and long lasting brass zipper

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz
Red, Royal Blue, Khaki, Orange, Gray,

Navy

REG	TALL
S-6XL	
S-6XL	
S-6XL	
S-6XL	
S-6XL	M-3XL
S-7XL	M-4XL



ARC FLASH PPE





ASTM F1959/ F1959M-12

NFPA 2112



BIZFLAME® 88/12





FR504

BIZFLAME 88/12 WOMEN'S COVERALL

ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM² (HAF 69.1%)

ARC ASTM F1506 40 NFPA® 2112 NFPA® 70E

UPF N

- · Women's specialized fit
- · Lightweight for enhanced wearing comfort
- · Dual hazard protection
 - · 8 pockets for ample storage
 - Durable, strong and long lasting brass zippers
 - · Reflective tape for increased visibility

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz

Navy XS-XXL



NFPA 70E



DESIGNED FOR WOMEN TO REDUCE RISK AND INCREASE COMFORT



ASTM F1959/ F1959M-12

NFPA 2112

BIZFLAME*

OUTSTANDING ARC PROTECTION

PREMIUM COMFORT WITH CAT 3 PROTECTION.

This premium coverall is compliant to NFPA 70E and provides a CAT 3 level protection. It offers electric arc hazard protection ensuring the wearer's safety and compliance and it's innovative features provide the wearer with extra comfort and convenience.



14oz





BIZFLAME 88/12 ARC COVERALL

ASTM F1959/F1959M-12 ATPV 34CAL/CM² (HAF 91.9%) ASTM F1506 NFPA® 2112

NFPA® 2112 NFPA® 70E

· Outstanding Arc protection

Dual hazard protection

Snap adjustable cuffs for a secure fit

2 layer

· Side pockets

· Stand-up collar

Bizflame 88/12: 88% Cotton, 12% Nylon, 14oz











ZFLAME



UFR88

BIZFLAME 88/12 FR COVERALL ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM² (HAF 69.1%)

ARC

ASTM F1506 NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1

- · Dual hazard protection
- · Chest pockets with snap flap closure
- · Stand-up collar
- · Action back for extra freedom of movement
- · Snap adjustable cuffs for a secure fit

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz Navy M-3XL

F1959M-12

NFPA NFPA 2112 70E

NFPA 2112

NFPA 70E



UFR87

BIZFLAME 88/12 CLASSIC FR COVERALL

ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM2 ARC (HAF 69.1%)

ASTM F1506 NFPA® 2112 NFPA® 70E

· Dual hazard protection

- · Durable, strong and long lasting brass zipper
- · Two back patch pockets
- · Chest pockets
- · Fold down collar
 - · Side elastic waist for ultimate wearer comfort

Bizflame 88/12: 88% Cotton, 12% nyto

Navy S-6XL, Gray S-3XL, Khaki S-3XL Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz



NFPA NFPA 2112 70E





BIZWELD®





UBIZ5

BIZWELD IONA FR COVERALL ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM²

(HAF = 80.4%)
ASTM F1506
NFPA® 2112
NFPA® 70E

EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2

- \cdot Dual hazard protection
- · Multiple utility pockets providing ample storage
- \cdot Concealed snap front for easy access
- · Snap adjustable cuffs for a secure fit
- $\cdot\;$ Side elastic waist for ultimate wearer comfort
- · Available in sizes up to 6XL



Bizweld: 100% Cotton, FR Finish, 9.5oz
Navy S-6XL, Navy Tall M-3XL, Orange M-6XL

ASTM F1959/ F1959M-12 198

NFPA NFPA 2112 70E NFPA 2112

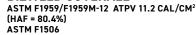






9.5oz

BIZWELD COVERALL



ASTM F1506 NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2

- \cdot Dual hazard protection
- $\cdot\,$ Stud front opening for easy access
- \cdot Reflective tape for increased visibility
- Two chest pockets with button and flap closure
- $\cdot\;$ Side elastic waist for ultimate wearer comfort
- · Available in sizes up to 6XL



Bizweld: 100% Cotton, FR Finish, 9.5oz

ASTM F1959/ F1959M-12 NFPA NFPA 2112 70E





BIZWELD°

UBIZ1

BIZWELD FR COVERALL

ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM² (HAF = 80.4%)

ASTM F1506 NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2

· Dual hazard protection

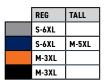
· Concealed snap front for easy access

 \cdot Two chest pockets with snap closure Snap adjustable cuffs for a secure fit

Side elastic waist for ultimate wearer comfort

· Available in sizes up to 6XL

Bizweld: 100% Cotton, FR Finish, 9.5oz





NFPA 2112

NFPA 70E





A521

368

F1959/ F1959M-12

NFPA 2112

NFPA 70E

A540

369

A500

369



DuraDuck Flame is a high-performance ultra durable fabric constructed from 100% Cotton Duck 10oz, engineered with maximum safety and comfort in mind. Designed to bead away water, the wind resistant properties combined with lightweight insulation ensures the worker is protected from the elements. This unique fabric provides exceptional flame resistant protection and is fully compliant to NFPA 70E with ARC4 protection against electric arc.



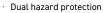


UFR48

DURADUCK FLAME QUILT LINED JACKET ASTM F1959/F1959M-14E1 ATPV 45 CAL/CM² (HAF 94.2%)

ASTM F1506 NFPA® 2112 NFPA® 70E

· Durable water repellent fabric



- · Flame resistant lining for added protection
- · Hood for added protection against the elements
- · Durable, strong and long lasting brass zippers
- . APC/

DuraDuck Flame: 100% Cotton Duck, 10oz 100% Flame Retardant Cotton, 7.5oz 90% Modacrylic, 10% Aramid, 3oz

Brown, Navy S-5XL









ASTM F1959/ F1959M-14E

NFPA NFPA 2112 70E





20.5oz



UFR49

DURADUCK FLAME QUILT LINED BIB OVERALL

ASTM F1959/F1959M-14E1 ATPV 45 CAL/CM2 (HAF 94.2%) **ASTM F1506** NFPA® 2112 NFPA® 70E

- · Dual hazard certified
- · Durable water repellent fabric
- · Quilt lined for thermal insulation
- · Wide leg hems to fit comfortable over workboots
- · Durable, strong and long lasting brass zippers
- · Adjustable straps for a secure fit

DuraDuck Flame: 100% Cotton Duck, 10oz 100% Flame Retardant Cotton, 7.5oz 90% Modacrylic, 10% Aramid, 3oz Brown, Navy S-5XL



NFPA 70E



OUTSTANDING ELECTRIC ARC PROTECTION





ASTM F1959/ NFPA F1959M-14E 2112

NFPA





The innovative Bizflame Flex Plus is a highly technical fabric constructed using 86% cotton, 12% nylon, 2% elastane. Providing excellent softness, shrinkage control and guaranteed flame resistance, this 2-way flex fabric ensures maximum wearer comfort and mobility. Certified to NFPA 2112 and providing the comfort and durability of a flex fabric, this is the perfect solution for those seeking ease of movement with flame resistant function.

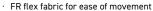




FR404

FR FLEX PANTS

ASTM F1959/F1959M-14E1 ATPV 12CAL/CM2 (HAF 80.6%) **ASTM F1506** NFPA® 2112 NFPA® 70E



- $\,\cdot\,$ Super soft due to garment wash treatment
- · Two back patch pockets
- · Adjustable hem to accommodate all leg lengths
- · Slim fit design is form-fitting yet unrestrictive
- · 4 pockets for ample storage

Bizflame Flex Plus: 86% Cotton, 12% Nylon, 2% Elastane, 10 oz X Khaki 30"-52"

Navy 30"-52"



2112

10oz



COMPLETE EASE OF MOVEMENT **COMBINED WITH FLAME RESISTANT FUNCTION**











Bizflame Denim is a highly technical fabric constructed from 98% Cotton, 2% Elastane 10oz. The durable cotton and dynamic flexible blend provides maximum range of movement in active use. Classically designed for long lasting performance and to allow for a full transition from work to leisure activity.









MAXIMUM FLEXIBILITY DENIM COTTON





FR54

FR FLEX DENIM JEAN

ASTM F1959/F1959M-14E1 ATPV 14 CAL/CM² (HAF 84.8%) ASTM F1506



- · Dual hazard protection
- · Flex cotton denim for maximum flexibility
- · Wide leg hems to fit comfortable over workboots
- · Two back patch pockets
- · Rule pocket
- · Short Leg 30", Reg Leg 32", Tall Leg 34"

Bizflame Denim: 98% Cotton, 2% Elastane, 10oz
SHORT LEG 30": Indigo 30"-38"
REG LEG 32": Indigo 30"-52"
TALL LEG 34": Indigo 32"-48"
X-TALL LEG 36": Indigo 32"-40"

ASTM F1959/ F1959M-14E

NFPA NF 2112 70

NFPA 70E





TOUGH AND DURABLE FOR DEMANDING TASKS

9.5oz







BZ31

BIZWELD FR CARGO PANTS

ASTM F1959/F1959M-12 ATPV 11.2 CAL/CM2 (HAF = 80.4%)

ARC ASTM F1506 40 NFPA® 2112 UPF NFPA® 70E

EN ISO 11612 A1+A2, B1, C1, E2, F1 EN ISO 11611 CLASS 1 A1+A2



- · Dual hazard protection
- · Elasticated back waist for a secure fit
- · 7 pockets for ample storage
- · Easy access cargo pocket
- · Available in sizes up to 6XL
- · Concealed cell phone pocket

Bizweld: 100% Cotton, FR Finish, 9.5oz





REG	TALL
S-6XL	M-4XL
S-6XL	M-4XL
S-6XL	M-4XL



F1959/ F1959M-12 NFPA 2112





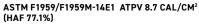
Catering to the requirements for flame and arc resistance, this Portflame Plus™ fabric offers a very light weight with the highest level of protection. Providing a high moisture absorption and comfort due to the Viscose fibers, the Modacrylic/ Aramid blend enhances the feel and comfort to a very high level, without compromising on the thermal performance of the fabric. Constructed using 50% Viscose, 30% Modacrylic, 18% Aramid, 2% Anti-Static, Portflame Plus™ is available in 5.5oz.





FR705







EN ISO 11612 A1, B1, C1 EN 1149 -5



- · Lightweight and comfortable
- · Ventilation channels

FR705

BACK VENT FOR A COOL FLOW

- · Dual hazard protection
- · Two chest pockets with button and flap closure
- · Mic tab for easy clipping of radio (singular)
- · Shirt tail hem stays tucked in

Portflame Plus: 50% Viscose, 30% Modacrylic, 18% Aramid, 2% Anti-Static, 5.5oz

Khaki S-6XL, Navy S-6XL







OUTSTANDING ARC PROTECTION RARELY ACHIEVED ON LIGHTWEIGHT FABRICS



ASTM F1959/ F1959M-14E 206

NFPA 2112

ZFLAME

FABRIC INFORMATION

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





UFR97



BIZFLAME 88/12 FR PLAID SHIRT ASTM F1959/F1959M-12 ATPV 11 CAL/CM2 (HAF 79.2%)

ASTM F1506 NFPA® 2112 NFPA® 70E



- · Dual hazard protection
- · Lightweight and comfortable
- · Chest pockets with snap closure
- · Shirt tail hem stays tucked in
- · Snap front opening for easy access
- · Snap adjustable cuffs for a secure fit

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz Navy S-5XL, Khaki S-5XL, White S-5XL

THE COMFORT OF COTTON **WITH TEAR** RESISTANT **HIGH TENACITY** NYLON





F1959/ F1959M-12

NFPA 2112

BIZFLAME[®] 88/12



FR89

BIZFLAME 88/12 FR SHIRT ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM2

(HAF 69.1%) **ASTM F1506** NFPA® 2112 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1

- · Lightweight and comfortable
- · Dual hazard protection
- · Two chest pockets with button and flap closure
- · Pen division on left pocket
- · Shirt tail hem stays tucked in
- · Button cuffs for a secure and comfortable fit

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz Khaki, Gray, Navy

REG	TALL
S-6XL	M-5XL
S-6XL	
S-6XL	M-5XL



F1959/ F1959M-12

70E



NFPA 2112

NFPA 70E



NFPA NFPA 2112





FR95

BIZFLAME 88/12 FR HI-VIS SHIRT ASTM F1959/F1959M-12 ATPV 9 CAL CM2 (HAF FR,IW 75.6%)

ASTM F1506 ARC

NFPA® 2112 NFPA® 70E **ANSI/ISEA 107 TYPE R CLASS 3**

ANSI/ISEA 107 TYPE P CLASS 3 EN ISO 11612 A1+A2, B1, C1, F1 EN ISO 20471 CLASS 3

- · Dual hazard protection
- · Lightweight for enhanced wearing comfort
- · Action back for extra freedom of movement
- · Button cuffs for a secure and comfortable
- · Shirt tail hem stays tucked in
- · Protection against radiant, convective and contact heat

Bizflame 88/12: 88% Cotton, 12% Nylon,



ASTM F1959/ F1959M-12

NFPA

NFPA

7oz



NFPA 70E

ANSI TYPE R CLASS 3

ANSI TYPE P CLASS 3



BIZFLAME®





FR706

BIZFLAME 88/12 FR TAPED SHIRT ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM2



(HAF 69.1%) ASTM F1506 NFPA® 2112



EN ISO 11612 A1+A2, B1, C1

- \cdot Dual hazard protection
- · Lightweight and comfortable
- · Two chest pockets with button and flap closure
- · Yellow/Silver reflex for increased visibility
- · Shirt tail hem stays tucked in
- · Button cuffs for a secure and comfortable fit

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz



BACK



NFPA

2112

NFPA

70E



ASTM F1959/ F1959M-12

NFPA 2112 70E



MODAFLAME[®] KNIT





UFR81

FR ZIPPER FRONT HOODED SWEATSHIRT ASTM F1959/F1959M-12 ATPV 16 CAL/CM² (HAF 86%)

EN ISO 11612 A1, B1, C1, F1

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

2 EN 1149 -5

- $\cdot\,$ Inherent flame resistant qualities will not diminish with washing
- $\cdot \ \ \text{High cotton content for superior comfort}$
- · Kangaroo pocket for ample storage
- \cdot Grown on hood is stylish and practical
- · Ribbed hem for a comfortable fit
- · Available in sizes up to 6XL

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fiber, 9oz

Navy M-6XL



ASTM F1959/ F1959M-12



12oz





FR708

FR HEAVYWEIGHT HOODED SWEATSHIRT

ASTM F1959/F1959M-14E1 ATPV 22 CAL/CM² (HAF = 90%)

ASTM F1506 NFPA® 2112 NFPA® 70E

- · High cotton content for superior comfort
- · Flame resistant ribbed cuff for added safety
- · Ribbed hem for a comfortable fit
- · Generous fit for wearer comfort
- · Grown on hood is stylish and practical
- · Kangaroo pocket for ample storage

Bizflame Knit: 100% Cotton, 12oz



ASTM F1959/ F1959M-14E

NFPA NFPA 2112 70E







Constructed from an inherently flame resistant yarn of 60% Modacrylic, 40% Cotton. Tested to meet and surpass the required EN and US Standards, the Modaflame™ Knit range is strong, durable and highly innovative.



FR96

FR HI-VIS LONG SLEEVE T-SHIRT

ASTM F1959/F1959M-12 ATPV 9 CAL/CM2 (HAF 80.8%) **ANSI/ISEA 107 TYPE R CLASS 3**

ANSI/ISEA 107 TYPE P CLASS 3 ASTM F1506 NFPA® 70E

EN ISO 11612 A1+A2, B1, C1 EN ISO 11611 CLASS 1 A1 EN 1149 -5

- · Inherent flame resistant qualities will not diminish with washing
- · High cotton content for superior comfort
- · Reflective tape for increased visibility
- · Crew neck
- · Generous fit for wearer comfort
- $\cdot\,$ Protects against radiant and convective heat

Modaflame Knit: 60% Modacrylic, 40% Cotton, 8oz Yellow S-6XL





F1959/ F1959M-12

NFPA



FR709

FR HI-VIS 2-TONE CREW ASTM F1959/F1959M-12 ATPV 9 CAL/CM2 (HAF 80.8%)



ANSI/ISEA 107 TYPE R CLASS 3 ANSI/ISEA 107 TYPE P CLASS 3 **ASTM F1506**

NFPA® 70E

EN ISO 11612 A1+A2, B1, C1 EN ISO 11611 CLASS 1 A1 EN 1149 -5

- · Inherent flame resistant qualities will not diminish with washing
- · High cotton content for superior comfort
- · Crew neck
- · Reflective label for improved visibility
- · Contrast panels for protection against dirt

Modaflame Knit: 60% Modacrylic, 40% Cotton, 8oz

Yellow/Black S-6XL



ANSI TYPE P CLASS 3

NFPA 70E





F1959/ F1959M-12



This smooth, high-performance interlock knit is made from 100% FR cotton or the new 99% Cotton, 1% anti-static option. The fabric offers superior strength and a lightweight feel offering the wearer a comfortable and versatile modern and stylish fit. Bizflame Knit offers outstanding protection against electric arc with a minimum ATPV rating of 10 Cal/cm².







FR01

BIZFLAME FR CREW NECK

ASTM F1959/F1959M-12 ATPV 12 CAL/CM2 (HAF = 80.8%)

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

- Moisture wicking fabric helping to keep the body warm, cool and dry
- · Chest pocket
- · Raglan sleeves for a comfort fit
- · Contrast color stitching for added style

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



FR02

BIZFLAME FR HENLEY

ASTM F1959/F1959M-12 ATPV 12 CAL/CM² (HAF = 80.8%)

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

- Excellent moisture wicking properties
 - · Chest pocket
 - · Button placket opening
 - · Contrast color stitching for added style

Bizflame Knit: 100% Cotton, 7oz

BEST SELLING COMFORT AND PROTECTION



F1959/ F1959M-12



ASTM F1959/ F1959M-12



ENJOY THE COMFORT AND VERSATILITY OF THESE MODERN AND STYLISH LONG SLEEVE SHIRTS, OFFERING NFPA® 2112 COMPLIANCE WITH CAT2 PROTECTION





FR33

FR ANTISTATIC CREW NECK

ASTM F1959/F1959M-14E1 ATPV 10 CAL/CM2 (HAF 82.3%) **ASTM F1506**

NFPA® 2112

NFPA® 70E

EN ISO 11612 A1+A2, B1, C1, F1 IEC 61482-2 IEC 61482-1-1 ELIM 13 CAL/CM2 EN 1149 -5

- · Raglan sleeves for a comfort fit
- · Made from high performance interlock knit
- · Moisture wicking fabric helping to keep the body warm, cool and dry
- · Concealed chest pocket
- · Sleeve pocket
- · Flame resistant ribbed cuff for added safety

Bizflame Knit Antistatic: 99% Cotton, 1% Carbon Fiber, 7oz Gray S-5XL, Navy S-5XL



F1959/ 2112 70E F1959M-14E





FR ANTISTATIC HENLEY

ASTM F1959/F1959M-14E1 ATPV 10 CAL/CM2 (HAF 82.3%) ARC **ASTM F1506**

NFPA® 2112 NFPA® 70E

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



IEC 61482-2 IEC 61482-1-1 ELIM 13 CAL/CM2 EN 1149 -5

- Button placket opening
- · Made from high performance interlock knit
- Moisture wicking fabric helping to keep the body warm, cool and dry
- · Concealed chest pocket
- · Sleeve pocket
- · Flame resistant ribbed cuff for added safety

Bizflame Knit Antistatic: 99% Cotton, 1% Carbon Fiber, 7oz Gray S-5XL, Navy S-5XL



F1959/ F1959M-14E

2112 70E



ARC RATED VEST

EXCEPTIONAL FLAME RESISTANCE AND HIGH VISIBILITY PROTECTION COMBINED









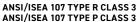
UFR24

CLASS 3 FR MESH VEST

ASTM F1959/F1959M-12 ATPV 5.1 CAL/CM2 (HAF 69%) **ASTM F1506**



NFPA® 70E



- · FR modacrylic mesh
- · Inherent flame resistant qualities will not diminish with washing
- · Internal pocket for safe storage
- · Hook and loop closure for easy access
- To be worn over ARC rated clothing only
- · Sew on flame resistant reflective tape

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fiber, 5.5oz

Yellow M-5XL

NFPA 70E

ANSI TYPE R

CLASS 3

ANSI TYPE P

CLASS 3



UMV21

ARC RATED FR MESH VEST

ASTM F1959/F1959M-12 ATPV 5.1 CAL/CM2 (HAF 69%) **ASTM F1506**

NFPA® 70E **ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 2**

- · FR modacrylic mesh
- · Inherent flame resistant qualities will not diminish with washing
- · Hook and loop closure for easy access
- · Internal pocket for safe storage
- · To be worn over ARC rated clothing only
- · Sew on flame resistant reflective tape

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fiber, 5.5oz

Yellow M-6XL



ANSI TYPE R CLASS 2

ANSI TYPE P CLASS 2

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







WARNING: This product should not be worn

alone or over non-ARC rated apparel.







F1959/ F1959M-12



NFPA 70E



ARC RATED VEST

7oz





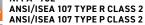
UFR23

NFPA 2112 WOVEN VEST

ASTM F1959/F1959M-12 ATPV 9 CAL/CM2 (HAF 75.6%)

ARC

ASTM F1506 NFPA® 2112 NFPA® 70E





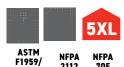
- · Lightweight for enhanced wearing comfort
- · Hook and loop closure for easy access
- · Internal pocket for safe storage
- · Sew on flame resistant reflective tape
- To be worn over ARC rated clothing only
- · 1 pocket for secure storage

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz

Yellow M-5XL

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

70E



2112

F1959M-12

NFPA 2112





ANSI

TYPE P CLASS 2



VEST





FR75

HI-VIS FR VEST

ANSI/ISEA 107 TYPE R CLASS 2 ANSI/ISEA 107 TYPE P CLASS 3

EN ISO 20471 CLASS 2 EN ISO 14116 INDEX 1

- · Lightweight and comfortable
- $\cdot \ \, \text{Polyester solid treated fabric}$
- · Hook and loop closure for easy access
- Generous fit for wearer comfort
- Dual sizing
- Sew on flame resistant reflective tape

Bizflame Work: 100% Polyester, Warp Knitted, 3.5oz

Yellow S/M - 4XL/5XL, Orange S/M -4XL/5XL

ANSI TYPE R CLASS 2





TESTED FOR FLAME RESISTANCE:

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







ACCESSORIES







FR17

FR KNITTED HI-VIS HAT ASTM F1959/F1959M-12 ATPV 9 CAL/CM2 (HAF 80.8%)

- · Fleece lining for added warmth and comfort
- · Provides insulation and thermal protection
- · Articulated darts for additional shaping

Modaflame Knit: 60% Modacrylic, 40% Cotton, 8oz 60% Modacrylic, 39% Cotton, 1% Carbon Fiber, 8oz Yellow One Size

ASTM F1959/ F1959M-12







FR13

FR 88/12 BASEBALL CAP

ASTM F1959/F1959M-12 ATPV 8.2 CAL/CM2 (HAF 69.1%)

- FR fabric will not melt, ignite or drip
- $\cdot\,$ Hard wearing durable twill fabric with excellent dye retention
- · Lightweight and comfortable
- · Inner elastic for snug fit

Bizflame 88/12: 88% Cotton, 12% Nylon, 7oz Navy One Size

ASTM F1959/ F1959M-12

7oz



FR39

FR NECK SHADE

ASTM F1959/F1959M-14E1 ATPV 10 CAL/CM² ARC (HAF 82.3%) **ASTM F1506**



NFPA® 70E

- · Lightweight and comfortable
- $\cdot\,$ Protects neck and ears from the sun
- · Compatible with most hard hats
- · Excellent moisture wicking properties
- · Made from high performance interlock knit
- · 40+ UPF rated fabric to block 98% of UV rays

Bizflame Knit Antistatic: 99% Cotton, 1% Carbon Fiber, 7oz

Gray One Size





ASTM F1959/ F1959M-14E



50

FR09 FR ANTISTATIC BALACLAVA

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

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

· Inherent flame resistant qualities will not diminish with washing

- · Protection against radiant, convective and contact heat
- \cdot Designed with a comfort fit
- $\cdot\,$ Retains shape wear after wear
- \cdot High cotton content for superior comfort
- · Antistatic

Modaflame Knit: 60% Modacrylic, 39% Cotton, 1% Carbon Fiber, 9oz

Navy One Size



ASTM F1959/ F1959M-12



WORKWEAR



118 YEARS OF INNOVATION

Portwest workwear offers a range of designs and features suitable for many end uses. Quality fabrics and construction techniques are used guaranteeing comfort and safety. Tested to withstand the rigors of everyday wear each garment has been carefully designed and manufactured to ensure optimum quality at the best price.



KingsmillTM Cotton Flex is a premium cotton flex fabric. This twill weave blend of 98% cotton and 2% elastane provides the ultimate in comfort and flexibility. The high cotton content gives an ultra soft handle, and the added elastane delivers ease of movement.



KingsmillTM Polycotton Flex fabric is constructed from 65% polyester, 33% cotton and 2% elastane. This premium workwear fabric offers excellent abrasion and tear-resistant properties whilst the stretch function ensures full ease of movement for the wearer.



Kingsmill™ Cotton is available in five weights; 6.7oz, 9oz, 10oz, 10.8oz and 12.3oz. 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.



KingsmillTM is 65% Polyester 35% Cotton and is available in four weights; 10.6oz, 8.6oz, 7.4oz and 6.7oz. This fabric guarantees high performance and maximum comfort. The yarns are all ring spun with long staple combed cotton providing a smooth handle and excellent pilling resistance. The material is fully pre-shrunk and has superior dye retention.

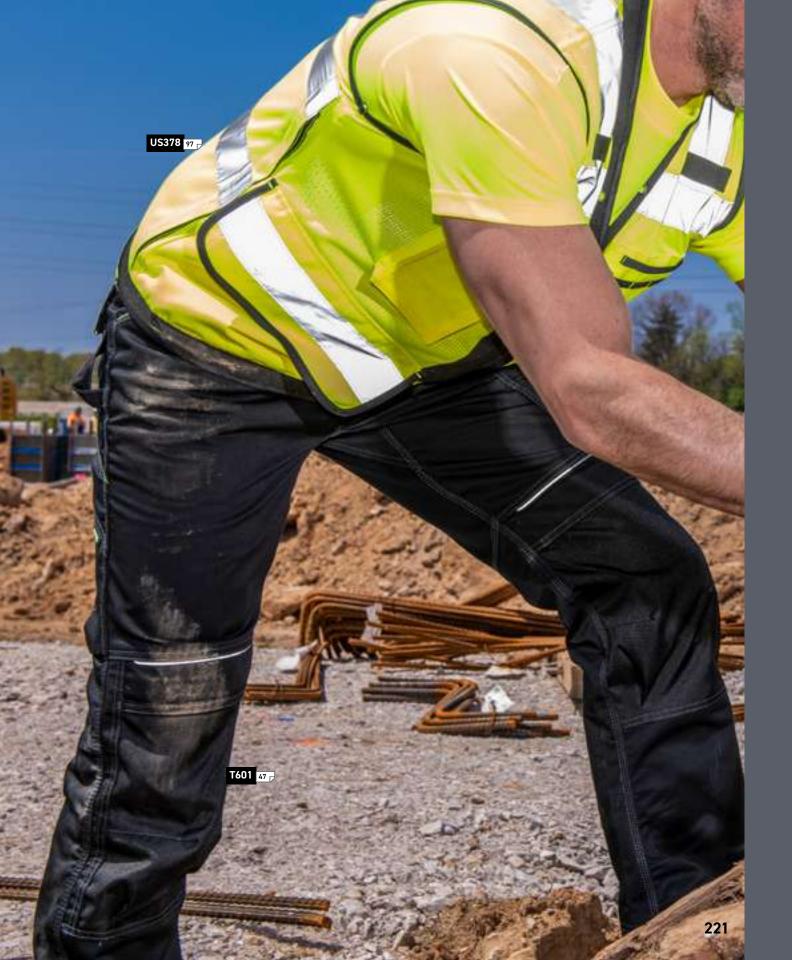


Portwest's innovative two way Kingsmill™ Polycotton Stretch fabric is constructed from 65% polyester, 35% cotton. This premium workwear fabric offers excellent abrasion and tear resistant properties whilst the mechanical stretch function ensures full ease of movement for the wearer. A UPF rating of 50+ on this fabric blocks 98% of the UV rays.

All Kingsmill™ fabric has a UPF rating of 40+ so will block 98% of the UV rays which fall on the garment.

WORKWEAR







Stretching the limits of comfort, safety and performance, Portwest's innovative and premium flex fabrics provide unparalleled ease of movement and supreme flexibility.

The unique blend of materials offers both high performance and exceptional all-day comfort. Technically superior with high levels of breathability and excellent abrasion and tear resistance.





INDEPENDENTLY TESTED AND PROVEN TO DELIVER EXCEPTIONAL STRETCH





2-way flex fabric is made using an elastane yarn woven into the fabric from edge to edge.

BENEFITS

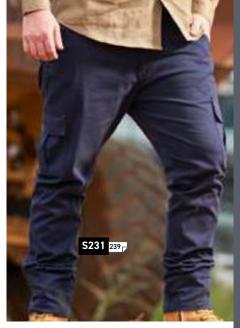
SHAPE RETENTION
PERMANENT ELASTICITY BUILT IN



Portwest's innovative two-way Kingsmill™ Polycotton Flex fabric is constructed from 65% polyester, 33% cotton and 2% elastane. This premium workwear fabric offers excellent abrasion and tearresistant properties whilst the mechanical flex function ensures full ease of movement for the wearer. A UPF rating of 40+ on this fabric blocks 98% of the UV rays.

2% ELASTANE
UP TO 5%
FLEX

Independently tested









ENHANCED VISIBILITY WORK PANTS



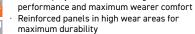


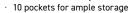
F142

IONA PLUS WORK PANTS NON ANSI



 \cdot Durable polycotton fabric for high



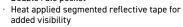




· Adjustable hem to accommodate all leg lengths



· Double rule pocket





Kingsmill: 65% Polyester, 35% Cotton, 9oz



100% Polyester 600D Fabric, 6oz Black, Waist 28" to 48" Regular leg 31" adjustable to Tall leg 33"







ENHANCED VISIBILITY HOODIE AND POLO SHIRT











- · Two tone heat applied segmented reflective tape for added visibility
- 2 pockets for secure storage
- · Hood for added protection against the elements
- · Front zipper opening for easy access
- · Two lower patch pockets
- · Ribbed cuffs for warmth and comfort

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





NON ANSI



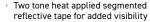


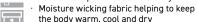


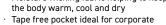
F140

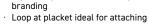












glasses/pens

· Ribbed Collar

· Side vents for added comfort

100% Polyester, 4.5oz









ENHANCED VISIBILITY T-SHIRT

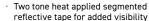




S396

IONA PLUS SHORT SLEEVE T-SHIRT NON ANSI







Moisture wicking fabric helping to keep the body warm, cool and dry Tape free pocket ideal for corporate



branding Mic tabs for easy clipping of a radio



· Sealed neck seam for extra comfort





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















S346



IONA PLUS LONG SLEEVE T-SHIRT





· Two tone heat applied segmented



reflective tape for added visibility Moisture wicking fabric helping to keep the body warm, cool and dry



· 1 pocket for secure storage



· Tape free pocket ideal for corporate branding



· Mic tabs for easy clipping of a radio

· Sealed neck seam for extra comfort











ENHANCED VISIBILITY WORK PANTS





F127

IONA XTRA WORK PANTS NON ANSI



 \cdot Durable polycotton fabric for high performance and maximum wearer comfort

- · Yellow/Silver reflex for increased visibility
- · 6 pockets for ample storage
- · Adjustable hem to accommodate all leg lengths
- · Bartacked at all stress points
- · 40+ UPF rated fabric to block 98% of UV rays

Kingsmill: 65% Polyester, 35%

Cotton, 7oz

Navy - 28"-52" with adjustable leg length from Reg (31") to Tall (33")









ENHANCED VISIBILITY COVERALL

100% COTTON COVERALL





NON ANSI

- · Durable soft polycotton canvas for high performance and maximum wearer comfort
- · Yellow/Silver reflex for increased visibility
- 10 pockets for ample storage
 - · Knee pad pockets to facilitate knee pads
 - · Mic tabs for easy clipping of a radio
 - · Hammer loop for secure storage of work tools

Kingsmill: 65% Polyester, 35% Cotton, 7oz





F129





- Made from 100% cotton fabric for added comfort and breathability
- Yellow/Silver reflex for increased visibility
- · 8 pockets for ample storage
- · Mic tabs for easy clipping of a radio
- · Two-way zipper for quick and easy access
- · Hammer loop for secure storage of work tools

Kingsmill Cotton: 100% Cotton, 5.5oz













ENHANCED VISIBILITY HOODIE AND T-SHIRT





F130 **IONA XTRA ENHANCED HOODIE** NON ANSI



- · Durable polycotton fabric for high
- performance and maximum wearer comfort
- · Yellow/Silver reflex for increased visibility
- · Designed with a comfort fit
- · 2 pockets for secure storage
- · Hood for added protection against the
- · Front zipper opening for easy access

65% Polyester, 35% Cotton, 9oz





NON ANSI





F131









- · Yellow/Silver reflex for increased visibility
- · Chest pocket
- · Tape free pocket ideal for corporate branding
- · Designed with a comfort fit
- · Ribbed Collar

100% Polyester, 5oz

HIGH **PERFORMANCE** WICKING FABRIC









ENHANCED VISIBILITY SHIRT







IONA XTRA SHORT SLEEVE SHIRT NON ANSI

- · Durable polycotton fabric for high performance and maximum wearer comfort
- Texpel™ stain resistant finish repels dirt and stains
- · Reflective tape for increased visibility
- · 2 pockets for secure storage
- \cdot 6 button front closure with snap at
- · Lined collar with sewn in stays

65% Polyester, 35% Cotton, Peach Finish, 5oz

Navy M-5XL









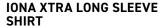








F125







- · Durable polycotton fabric for high performance and maximum wearer
- · Texpel $^{\text{TM}}$ stain resistant finish repels dirt and stains
- \cdot Reflective tape for increased visibility
- · 6 button front closure with snap at neck
- $\cdot\,$ 2 pockets for secure storage
- · 40+ UPF rated fabric to block 98% of UV rays

65% Polyester, 35% Cotton, Peach Finish, 5oz

Navy M-5XL











ENHANCED VISIBILITY SHIRT









ENHANCED VISIBILITY SWEATSHIRT AND POLO SHIRT





B307



IONA SWEATSHIRT

- NON ANSI
- · Designed with a comfort fit · Crew neck
- \cdot Elasticated cuffs for a secure fit
- · Twin-stitched seams for extra durability

· Reflective tape for increased visibility

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

65% Polyester, 35% Cotton, 9oz













IONA POLO SHIRT

NON ANSI

- · Moisture wicking fabric helping to keep the body warm, cool and dry
- · Reflective tape for increased visibility
- · Designed with a comfort fit
- · Sealed neck seam for extra comfort
- · Button placket opening
- · Ribbed Collar











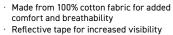




C814







- - · Action back for extra freedom of movement
 - · Two-way zipper for quick and easy access
 - · Mic tabs for easy clipping of a radio
 - · 8 pockets for ample storage



Kingsmill Cotton: 100% Cotton, 5.5oz Gray, Khaki, Navy, Orange Red, Royal Blue

100% **COTTON FOR COMFORT AND BREATHABILITY**

REG	REG
S-6XL	S-3XL
S-3XL	S-3XL
S-3XL	S-6XL









COVERALL AND BIB AND BRACE









S916







- · Durable polycotton fabric for high
- performance and maximum wearer comfort
- Reflective tape for increased visibility
- · 6 pockets for ample storage
- · Back patch pocket
- · Double rule pocket
- · Elasticated back panel

Kingsmill: 65% Polyester, 35% Cotton, 7oz







IONA



F813





- · Durable polycotton fabric for high performance and maximum wearer comfort
- · Reflective tape for increased visibility
 - \cdot Action back for extra freedom of movement
 - Mic tabs for easy clipping of a radio
- · 10 pockets for ample storage
 - · Two-way zipper for quick and easy access



Kingsmill: 65% Polyester, 35% Cotton, 7oz







WORK SHIRT



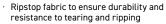




S130

RIPSTOP LONG SLEEVE SHIRT







· Underarm cool flow mesh panel for ventilation



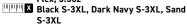
· 2 pockets for secure storage · Mic tabs for easy clipping of a radio



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



Kingsmill Poly-cotton Flex: 65%
Polyester, 35% Cotton Ripstop Weft Flex, 5.5oz





BACK









KX370



KX3 PLAID WORK SHIRT



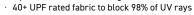
· Made from 100% cotton fabric for added comfort and breathability



· Button front closure · Pen pocket



· 2 pockets for secure storage



 \cdot Mic tab for easy clipping of radio



100% Cotton, 5oz 65% Polyester, 35% Cotton, 5.5oz Brown Check S-3XL



SUPERIOR BRUSHED COTTON FABRIC



JACKET





UKS32 **PEWTER JACKET**







- Premium sherpa lining for optimum comfort and warmth
- Print access for corporate branding · 4 pockets for ample storage

 - Front zipper opening for easy access
 Hood for added protection against the elements



65% Cotton, 35% polyester, 8oz
Sleeve Lining: 100% Polyester, 2oz
Main Body: 100% Polyester Sherpa Pile, 9oz
Sleeve Filling: 100% Polyester Wadding, 1oz
Black M-XXL



FLEX WORK PANTS





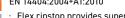


T802



KX3 RIPSTOP FLEX PANTS

EN 14404:2004+A1:2010



- · Flex ripstop provides superior comfort and increased freedom of
- · Lower back leg pocket provides quick access whilst kneeling and bending
- · 14 pockets for ample storage
- · Zipper fly with Portwest branded snap button
 - · Pre-bent knees allow for increased freedom of movement
 - · Webbing belt loops for extra durability



Kingsmill Poly-cotton Flex: 65% Polyester, 35% Cotton Ripstop

Black, Dark Navy, Sand, 28" to 48" with adjustable leg length from Reg (31") to Tall (33")







WORKWEAR PANTS



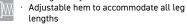
T601

PW3 WORK PANTS

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



- · Durable polycotton fabric for high performance and maximum wearer comfort
- · Easy access cargo pocket
- · 10 pockets for ample storage
- · Reinforced panels in high wear areas for maximum durability
- · D-ring for keys or ID cards



Kingsmill: 65% Polyester, 35% Cotton, 9oz

Black, Zoom Gray/Black, Waist 28" to 48" Regular leg 31" adjustable to

100% Polyester 600D Fabric 6oz Tall leg 33"



ZOOM GRAY/ BLACK







HIGH RISE BACK WAISTBAND



REINFORCED **PANELS**

WOMEN'S STRETCH **PANTS**





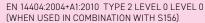


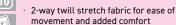


PW380

PW3 WOMENS' STRETCH WORK PANTS







- Reinforced panels in high wear areas for maximum durability
- · 10 pockets for ample storage
- · Double rule pocket
 - · Side elastic waist for ultimate wearer

Kingsmill Poly-cotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 7oz

100% Polyester Oxford 600D 6oz Black, Waist 26"(4) to 38"(16) Regular leg 29" adjustable to Tall leg 31"



FRONT

BACK







WORK PANTS



















- \cdot Hard wearing durable twill fabric with excellent dye retention
- · Adjustable hem to accommodate all leg lengths
- · 6 pockets for ample storage
- · Knee pad pockets to facilitate knee pads
- · Half elasticated waist for a secure and comfortable fit
- $\cdot\,$ 40+ UPF rated fabric to block 98% of UV rays



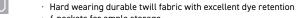
Kingsmill: 65% Polyester, 35% Cotton, 7oz adjustable to Tall leg 33"











- · 6 pockets for ample storage
- · Bartacked at all stress points
- · Two back patch pockets
- · Easy access cargo pocket
- · Available in Regular or Tall fit

Kingsmill: 65% Polyester, 35% Cotton, 7oz
Dark Navy Reg 30"-50", Tall 30"- 42"
Black Reg 30"- 44", Tall 30"- 44"





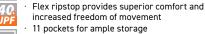
WORK SHORTS





KX340 KX3 RIPSTOP SHORTS





- · Contemporary design with an ergonomic cut
- · Handy zipper side thigh pocket
- · Webbing belt loops for extra durability
 - · Zipper fly with Portwest branded snap button



Kingsmill Poly-cotton Flex: 65% Polyester, 35% Cotton Ripstop Weft Stretch, 7oz

Dark Navy 30" to 42"

<u>★</u> KINGSMILL









Durable polycotton fabric for high performance and maximum wearer comfort



Reinforced panels in high wear areas for maximum durability



7 pockets for ample storage





Adjustable hem to accommodate all leg lengths Gripper elasticated inner waistline helping keep upper body garments in place



Kingsmill: 65% Polyester, 35% Cotton, 9oz

Black, Zoom Gray/Black 30" to 42"







S790 CARGO SHORTS



Durable polycotton fabric for high performance and maximum wearer comfort



Reinforced seams for extra durability and strength · 6 pockets for ample storage



Bartacked at all stress points



· Two back patch pockets · D-ring for keys or ID cards

💢 Kingsmill: 65% Polyester, 35% Cotton, 6oz Navy XS-3XL













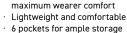


S999



EURO WORK POLYCOTTON COVERALL \cdot Durable soft polycotton canvas for high performance and





· Pass through pockets

· Rule pocket

· Back patch pocket

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Kingsmill: 65% Polyester, 35% Cotton, 6oz Bottle Green, Navy, Navy Tall, Red, Royal Blue, Zoom Gray

TAL
S-3)

REG
XS-6XL
S-4XL
S-XXL
S-4XL
S-3XL

TALL
S-3XL





S996



SHORT SLEEVE COVERALL



 $\cdot\,$ Durable polycotton fabric for high performance and maximum wearer comfort



 $\cdot\,$ Concealed snap front for easy access



6 pockets for ample storage



· Rule pocket · Two side pass through pockets



· Lightweight and comfortable



Kingsmill: 65% Polyester, 35% Cotton, 6oz













INSULATED COVERALL

EN 342 THERMAL INSULATION 0.340 ICLEAR (M2.K/W) 1X

- · Lined for added warmth and comfort
 - · Action back for extra freedom of movement
 - \cdot 8 pockets for ample storage
 - · Back patch pocket
 - · Rule pocket
 - · Sleeve pocket

Kingsmill: 65% Polyester, 35% Cotton, 7oz 100% Polyester Wadding, 6oz Navy S-3XL

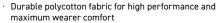






C813 LIVERPOOL ZIPPER COVERALL





- Action back for extra freedom of movement
- · 8 pockets for ample storage
- · Rule pocket
 - · Available in sizes up to 6XL



Kingsmill: 65% Polyester, 35% Cotton, 7oz Orange, Red

REG
S-6XL
S-3XL
S-XXL
S-XXL
S-3XL

TALL M-3XL





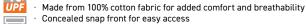






S998

WORK COTTON COVERALL



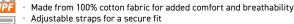
- · 5 pockets for ample storage
- · Back patch pocket
- · Rule pocket
- · Available from size XS

Kingsmill Cotton: 100% Cotton, 7.5oz





TOTTON BIB AND BRACE



- 4 pockets for ample storage
- · Back patch pocket
- · Rule pocket
- · Spacious pockets

Kingsmill Cotton: 100% Cotton, 9oz





PAINTERS PANTS AND BIB AND BRACE





















- · Made from 100% cotton fabric for added comfort and breathability
- Designed with a comfort fit 8 pockets for ample storage
- Rule pocket
- · Half elasticated waist for a secure and comfortable fit
- · 40+ UPF rated fabric to block 98% of UV rays

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







S810



BOLTON PAINTERS BIB

- · Made from 100% cotton fabric for added comfort and breathability
- Elasticated straps
 - 8 pockets for ample storage
 - · High cotton content for superior comfort
 - · Rule pocket
 - · Back patch pocket

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











DUCK QUILT LINED JACKET



DC801

DURADUCK WORK QUILT LINED HOODED JACKET



- · Made from 100% cotton fabric for added comfort and breathability
- Heavyweight quilt lining for maximum thermal insulation
- · 2 pockets for secure storage
- · Grown on hood is stylish and practical
- · Elasticated cuffs for a secure fit
- · Elasticated hem for a secure and comfortable fit

100% Cotton, 10oz 100% Polyester, 190T Taffeta, 2oz 100% Polyester Wadding, 5oz

ZIPPER **POCKETS**

Black S-5XL





HEAVY DUTY HOODED DUCK FABRIC JACKET WITH QUILT LINING





DUCK QUILT BIB AND BRACE



DC802

DURADUCK WORK QUILT LINED BIB AND BRACE



- · Made from 100% cotton fabric for added comfort and breathability
- · Quilt lined for thermal insulation
- \cdot 6 pockets for ample storage
- · Knee pad pockets to facilitate knee pads
- · Adjustable shoulder strap for added comfort
- · Available in sizes up to 5XL

100% Cotton, 10oz 100% Polyester, 190T Taffeta, 2oz 100% Polyester Wadding, 5oz Black S-5XL





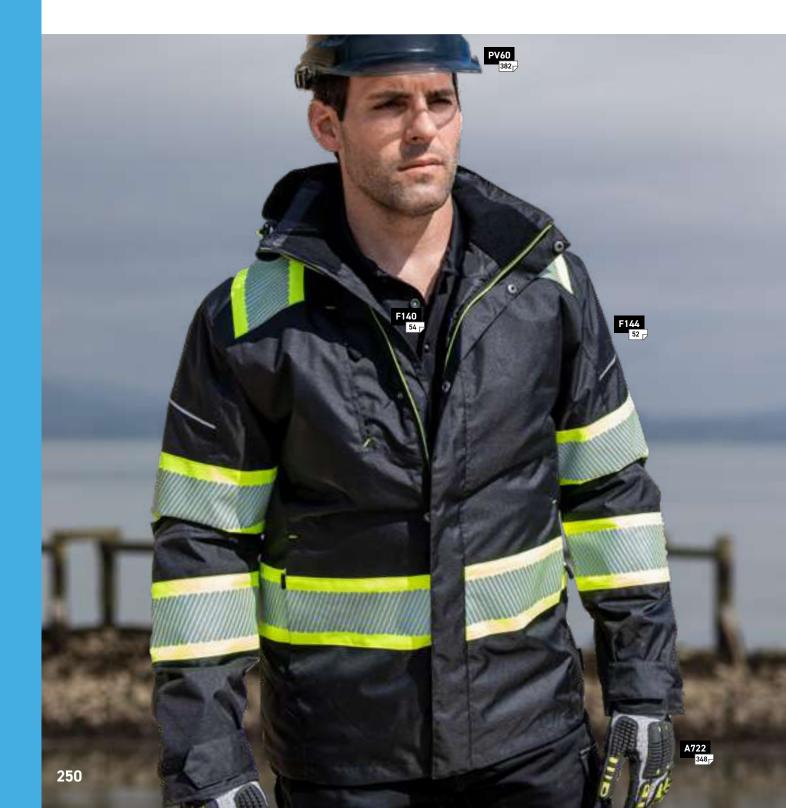






INSULATED

ALL WEATHER PROTECTION



HIGH PERFORMANCE FABRICS

Portwest All Weather Protection is engineered with exceptional fabrics and designs, allowing an easy transition between work and leisure. Tested to withstand the rigors of everyday wear, each garment has been designed and manufactured using the best quality materials and high technology construction techniques to ensure total satisfaction with wear after wear.



Portwest Extreme is a premium high performance, breathable rainwear fabric constructed from 100% Polyester, 300D Stretch Oxford 6oz and offers superior comfort, function and endurance in all weather conditions. Waterproof and wind proof to the highest standards, this fabric far exceeds the current highest industry requirements.



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 longer.



The Ripstop collection 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.



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



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.



ALL WEATHER PROTECTION



VISIBILITY JACKET INSULATEX

INSULATED WITH INSULATEX LINING

ENHANCED

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 whilst the high-performance fine knit offers superior lightweight comfort to the wearer without adding bulk.





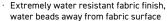
F144

IONA PLUS WINTER JACKET

NON ANSI

EN 343 CLASS 3:1 X WP 20,000MM



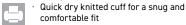


· Insulatex™ heat reflective lining reflects heat back into the body ensuring maximum warmth and comfort



Hook and loop cuffs for a secure fit · Reflective trim for increased visibility and

safety



· Curved back hem for added protection

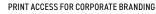
300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant

finish, Double PU Coated, 5.5oz finish, Double Fo God 100% Polyester, 2oz 100% Polyester, 5oz Black S-5XL

TWO TONE HEAT APPLIED SEGMENTED REFLECTIVE

SUPERB WATERPROOF PROTECTION WITH ENHANCED **VISIBILITY**





















INSULATED

ENHANCED VISIBILITY JACKET

INSULATED





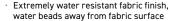


IONA XTRA 3-IN-1 BOMBER

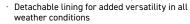
JACKET NON ANSI

EN 343 CLASS 3:1 WP 15,000MM



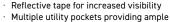








Zip out sleeves for multi use



storage

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

nnish, Double Fo Coatca, 112 100% Polyester, 2oz 100% Polyester Fur Lining, 12oz Sleeves: 100% Polyester, 5oz Navy S-5XL

WATERPROOF SEALED SEAMS

WATERPROOF **PROTECTION AND INCREASED VISIBILITY COMBINED**



1 OUTER JACKET WITH FUR LINING







2 WITHOUT FUR LINING



3 BODYWARMER VEST















IONA



IONA LITE BOMBER JACKET

EN 343 CLASS 3:1 X WP 15,000MM

EN 342 0.342M2. K/W (B), 2, X EN 17353 TYPE B3



- · Durable and waterproof jacket with sealed seams
- Quilt lined for thermal insulation
- Abrasion resistant oxford polyester
- · Inner ribbed cuffs for warmth and comfort
- Elasticated hem for a secure and comfortable fit
 - · Reflective tape for increased visibility



300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

100% Polyester Tafetta, 2oz 100% Polyester Wadding, 5oz









ENHANCED VISIBILITY JACKET AND PANTS

INSULATED



US433

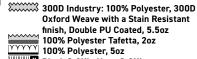


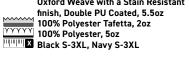


WP 15.000MM EN 342 0.349M2. K/W (B), 2, X EN 17353 TYPE B3



- · Waterproof keeping the wearer dry and protected from the elements
- · Abrasion resistant oxford polyester
- Quilt lined for thermal insulation
- · Inner ribbed cuffs for warmth and comfort
- · Reflective tape for increased visibility
- · Storm flap front to protect against the elements

















S481

IONA LITE PANTS



EN 343 CLASS 3:1 X WP 15,000MM

EN 17353 TYPE B2

- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Abrasion resistant oxford polyester
- · Fully elasticated waistband for ultimate wearer comfort
- · Pass through pockets
- · Snap adjustable hems for a secure fit
- · Reflective tape for increased visibility

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 5.5oz

Black S-3XL, Navy S-3XL











ENHANCED VISIBILITY RAIN JACKET AND PANTS CLASSIC IONA RAIN JACKET EN 343 CLASS 3:1 X WP 5,000MM EN 17353 TYPE B3 · Lightweight, waterproof fabric with sealed seams prevents water penetration · Increased breathability with a vented back yoke · Inner elasticated cuff · Reflective tape for increased visibility · Drawcord hood and hem for a secure and comfortable fit · Front zipper opening for easy access 190T: 100% Polyester, PVC coated, 6oz
Black S-6XL, Navy S-6XL









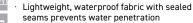


F441

CLASSIC IONA RAIN PANTS

EN 343 CLASS 3:1 X WP 5,000MM

EN 17353 TYPE B2





- · Fully elasticated waistband for ultimate wearer comfort
- · Snap adjustable hems for a secure fit
- · Reflective tape for increased visibility
- · Retail bag which aids presentation for retail sales

190T: 100% Polyester, PVC coated,

Black S-6XL, Navy S-6XL

SUPERB WATERPROOF **PROTECTION WITH ENHANCED VISIBILITY**









ENHANCED VISIBILITY

RAIN COAT







CLASSIC IONA RAIN COAT

EN 343 CLASS 3:1 X

WP 5,000MM EN 17353 TYPE B3



- · Lightweight, waterproof fabric with sealed seams prevents water penetration · Increased breathability with a vented back
- yoke · Inner elasticated cuff
- · Reflective tape for increased visibility
- · Hood for added protection against the elements
- · Front zipper opening for easy access

190T: 100% Polyester, PVC coated, 6oz



BACK









PARKA JACKET

INSULATED





KX3 PARKA JACKET



EN 343 CLASS 3:1 X WP 10,000MM, MVP 2,800G/M²/24HR



- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Quilt lined for thermal insulation
- \cdot Internal pockets for safe storage
- · Inner storm cuffs with adjustable touch tape for a secure fit
- · Adjustable waist for a perfect fit
- · Drawcord hood and hem for a secure and comfortable fit



100% Polyester TPU, 5oz 100% Polyester, 190T Taffeta, 1.5oz Body: 100% Polyester, 4oz

Sleeves: 100% Polyester, 2oz

UNCOMPROMISING **INSULATED**

PROTECTION











BOMBER JACKET

LINED







KX361



WP 10,000MM, MVP 2,800G/M²/24HR



- Extremely water resistant fabric finish,
- water beads away from fabric surface Waterproof with sealed seams preventing
- water penetration Side zipper pockets
- - Cell phone pocket
 - Inner ribbed cuffs for warmth and comfort

· Elasticated hem for a secure and comfortable fit

100% Polyester TPU, 5oz 100% Polyester, 190T Taffeta, 1.5oz Black S-3XL







WINTER JACKET



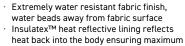




PW3 WINTER JACKET









warmth and comfort · Hook and loop cuffs for a secure fit · Quick dry knitted cuff for a snug and



comfortable fit · Reflective trim for increased visibility and safety



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

5.5oz 100% Polyester, 2oz 100% Polyester, 5oz Black S-3XL



Insulatex[™] heat reflective lining reflects heat back into the body ensuring maximum warmth and comfort.









EXTREME PROTECTION







RAIN PANTS





T604



PW3 RAIN PANTS







 $\cdot\;$ Extremely water resistant fabric finish, water beads away



from fabric surface · Fully elasticated waistband for ultimate wearer comfort



· Easy access cargo pockets



· Knee pad pockets to facilitate knee pads



Side zipper leg opening for easy access · Ergonomically shaped hem for the perfect fit over boots

300D Industry: 100% Polyester, 300D Oxford
Weave with a Stain Resistant finish, Double PU
Coated, 5.5oz
Black XS-3XL





















TECHNICAL RAIN JACKET

LINED



S600

SHELL JACKET

EN 343 CLASS 3:3 X WP 10,000MM, MVP 4,400G/M²/24HR

- · Extremely water resistant fabric finish, water beads away from fabric surface
- Engineered with an active fit
- · Internal chest pocket
- Zipped vents at underarm for extra breathability
- Grown on hood is stylish and practical Pre-bent sleeves allow for increased
- freedom of movement



100% Polyester TPU, 4oz Body and Hood: 100% Polyester Mesh, 2oz

Sleeves: 100% Polyester Taffeta, 2oz

Black S-3XL, Navy S-3XL



ZIPPED VENTS AT UNDERARM











EXTREME BREATHABLE ALL WEATHER

PROTECTION

GARMENT BENEFITS

PWRTM 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 providing the maximum waterproof, breathable and windproof protection.



- 1 DURABLE WATER REPELLENT TREATED OUTER FABRIC
- 2 WATERPROOF AND BREATHABLE MEMBRANE
- 3 BREATHABLE INNER LINING



PWR™ AND PORTWEST EXTREME™ ARE TRADEMARKS OF PORTWEST.



S555 S556 ACHIEVES

15,000g/m² /24hrs

EXCEPTIONAL BREATHABLE PERFORMANCE

STANDARD BREATHABLE

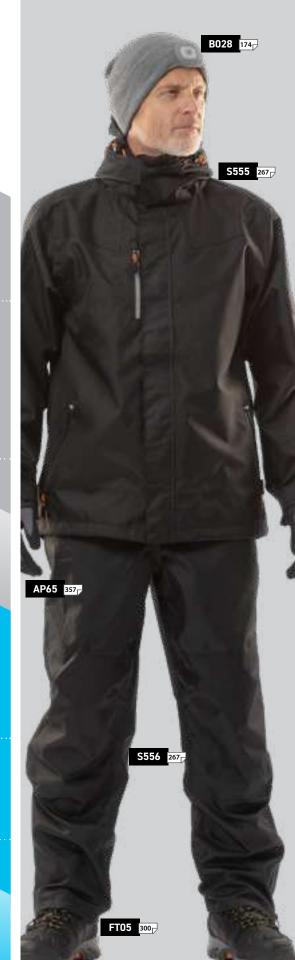


S555 S556 ACHIEVES

10,000mm

EXCEPTIONAL WATERPROOF PERFORMANCE

STANDARD WATERPROOF



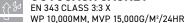
EXTREME BREATHABLE ALL WEATHER PROTECTION

LINED





S555

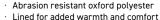


OUTCOACH JACKET EN 343 CLASS 3:3 X

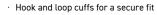


Extremely water resistant fabric finish, water beads away from fabric surface











Water resistant zippers to prevent water penetration



Ideal for corporate wear and personalization



Portwest Extreme: 100% Polyester Oxford 600D, 7oz

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













S556





EN 343 CLASS 3:3 X WP 10,000MM, MVP 15,000G/M²/24HR



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



· Abrasion resistant oxford polyester



· 2 side zipper pockets for secure storage

Elastic waist with toggle for a secure and comfortable fit

Side zipper leg opening for easy access

· Double-layer reinforced knee protection for extra strength and durability

Portwest Extreme: 100% Polyester Oxford 600D, 7oz Black S-3XL











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.

RAIN JACKET

268





RAIN PANTS AND BIB



SPECIAL ANTIBACTERIAL FINISH





S451 SEALTEX CLASSIC PANTS





- · Waterproof with welded seams to prevent water penetration
- · Durable and stretchy with wipe clean finish
- $\cdot\;$ Fully elasticated waistband for ultimate wearer comfort
- · Snap adjustable hems for a secure fit
- · Retail bag which aids presentation for retail sales
- · Generous fit for wearer comfort

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 6oz



S453 SEALTEX CLASSIC BIB

EN 343 CLASS 3:1 X WP 5,000MM



- Extremely water resistant fabric finish, water beads away from fabric surface
- · Waterproof with welded seams to prevent water penetration
- Durable and stretchy with wipe clean finish
- · Adjustable straps with durable buckle closure
- · Snap adjustable hems for a secure fit
- $\cdot\,$ Retail bag which aids presentation for retail sales

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 6oz











CLASSIC RAIN JACKET AND PANTS



CLASSIC RAIN JACKET

EN 343 CLASS 3:1 X WP 5,000MM



- Lightweight, waterproof fabric with sealed seams prevents water penetration
- Increased breathability with a vented back yoke
- · Inner elasticated cuff
 - · Pack away hood for added functionality
 - · Retail bag which aids presentation for retail sales
 - · Generous fit for wearer comfort

190T: 100% Polyester, PVC coated, 6oz

Black S-7XL, Navy S-7XL, Olive Green S-5XL

Orange S-5XL, Yellow S-6XL

PRACTICAL ALL WEATHER PROTECTION SOLUTIONS









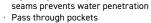


S441

CLASSIC RAIN PANTS

EN 343 CLASS 3:1 X WP 5.000MM





· Fully elasticated waistband for ultimate

wearer comfort

· Snap adjustable hems for a secure fit

· Retail bag which aids presentation for retail

· Lightweight, waterproof fabric with sealed

 $\cdot\,$ Generous fit for wearer comfort

190T: 100% Polyester, PVC coated,

Black S-7XL, Navy S-7XL, Olive Green S-3XL
Orange S-3XL, Yellow S-6XL







CLASSIC RAINSUIT



L440

ESSENTIALS RAINSUIT (2 PIECE SUIT)

EN 343 CLASS 3:1 X

WP 5,000MM



- · Lightweight, waterproof fabric with sealed seams prevents water penetration
- · Increased breathability with a vented back yoke
- · Front zipper opening for easy access
- · Elasticated cuffs for a secure fit
- · Fully elasticated waistband for ultimate wearer comfort
- · Snap adjustable hems for a secure fit

190T: 100% Polyester, PVC coated,

5.5oz Navy S-3XL Yellow S-3XL



















FLEX SHELL JACKET



PW3 FLEX SHELL

Portwest PW3TM Flex Shell fabric is the latest evolution of softshell fabrics to deliver maximum performance and protection from the weather.

This highly durable 3-layer laminate fabric is water repellent and windproof with a stretch finish. Incredible suppleness offers outstanding user comfort. With low weight to high warmth ratio, the soft mesh inner face feels dry and comfortable next to the skin during extended periods of wear.



ADVANCED TRIPLE DRY MEMBRANE TECHNOLOGY (3L)





T620



WATERPROOF / BREATHABILITY WP 5,000MM, MVP 3,000G/M²/24HR



- Made of durable breathable, windproof and
- water resistant fabric
 Side zipper pockets
 - · Quick dry elastic bound cuff
 - · Reversed zipper for convenient opening/closing
 - · Reflective trim for increased visibility and safety
 - · Drawcord adjustable hem

100% Polyester laminated to 100% Polyester Mesh, 5.5oz

Black S-3XL, Black/Zoom Gray S-3XL



SOFTSHELL



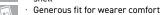
UTK50

SOFTSHELL JACKET (3L)

WATERPROOF / BREATHABILITY WP 8,000MM, MVP 3,000G/M²/24HR



- $\cdot\,$ Made of durable breathable, windproof and water resistant fabric
- · Micro polar fleece lined and bonded with shell



- · Waterproof zippers to prevent water penetration
- · Hook and loop cuffs for a secure fit
- · Chin guard for added comfort and stability

94% Polyester, 6% Elastane laminated with 100% Polyester Micro Polar Fleece, 9oz

Black S-5XL, Navy S-5XL

WATERPROOF **ZIPPERS FOR ADDED PROTECTION**











WOMEN'S SOFTSHELL MADE FOR WOMEN TK41 **CHARLOTTE WOMEN'S** SOFTSHELL (3L) WATERPROOF / BREATHABILITY WP 3,000MM, MVP 600G/M²/24HR · Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable Micro polar fleece lined and bonded with shell · Cell phone pocket · Hook and loop cuffs for a secure fit · Water resistant zippers to prevent water penetration · Drawcord adjustable hem 94% Polyester, 6% Elastane, with 100% Polyester Micro Polar Fleece Softshell, Black XS-XXL, Navy XS-XXL **STYLISH AND FUNCTIONAL** DESIGN NAVY XS TEXPEL SPLASH 275

SOFTSHELL



TK20

MEN'S PRINT AND PROMO SOFTSHELL (2L)



- · Made of durable breathable, windproof and water resistant fabric
- · Extremely water resistant fabric finish, water beads away from fabric surface
- · Micro polar fleece lined and bonded with shell
- · Zipper pockets
- $\cdot\,$ Ideal for corporate wear and personalization
- · 2 layer

96% Polyester, 4% Elastane bonded to 100% Polyester Fleece, 8oz

Black S-5XL, Navy S-5XL



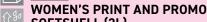


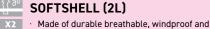






TK21

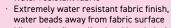


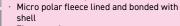




water resistant fabric









- · Ideal for corporate wear and personalization
- · 2 layer

96% Polyester, 4% Elastane bonded to 100% Polyester Fleece, 8oz

Black XS-3XL, Navy XS-3XL

IDEAL FOR CORPORATE BRANDING







SOFTSHELL







KX3 HOODED SOFTSHELL (3L)

WATERPROOF / BREATHABILITY WP 8,000MM, MVP 3,000G/M²/24HR



Made of durable breathable, windproof and water resistant fabric Ripstop fabric to ensure durability and



resistance to tearing and ripping



Contemporary design with clean cut lines





· Hook and loop cuffs for a secure fit

· Pre-bent sleeves allow for increased freedom of movement



92% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 9oz



Black/Gray S-3XL, Black S-3XL









KX363

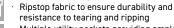




WATERPROOF / BREATHABILITY WP 8,000MM, MVP 3,000G/M²/24HR



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





· Multiple utility pockets providing ample storage

- · Handwarmer pockets
- · Reflective piping for increased visibility
- · Drawcord adjustable hem

92% Polyester, 8% Elastane, laminated to 100% Polyester Micro Polar Fleece, 9oz



Black S-3XL





THERMAL JACKET





S546



ULTRASONIC TUNNEL JACKET

- · Premium water resistant fabric
- Heat sealed seams for increased water and wind resistance
- Fully lined and padded to trap the heat and increase warmth
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem
- · Chin guard with internal storm flap provides extra comfort



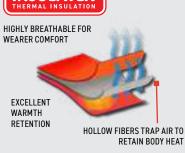




FIBERS TRAP AIR TO **RETAIN BODY HEAT**



RETAIN BODY HEAT





THERMAL JACKET



S543

MEN'S ASPEN BAFFLE JACKET



- · Showerproof to resist light rain
- Inner soft Insulatex™ lining traps heat fast keeping the wearer warm and protected from the elements
- · Designed with a comfort fit
- · Secure zipper pocket for added security
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

100% Nylon, 10z 100% Nylon, 1.5oz Insulatex Lining, 9oz Black S-3XL, Navy S-3XL









S545

WOMEN'S ASPEN BAFFLE JACKET



· Showerproof to resist light rain



· Inner soft Insulatex™ lining traps heat fast keeping the wearer warm and protected from the elements

- · Designed with a comfort fit
- · Secure zipper pocket for added security
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

100% Nylon, 1oz 100% Nylon, 1.5oz 100% Nylon, 1.5oz Insulatex Lining, 9oz Black XS-XXL, Navy XS-XXL











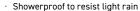
THERMAL GILET



S544

ASPEN BAFFLE GILET







· Inner soft Insulatex™ lining traps heat fast keeping the wearer warm and protected from the elements

- · Designed with a comfort fit
- · Secure zipper pocket for added security
- Drawcord adjustable hem
- · Reversed zipper for convenient opening/ closing

100% Nylon, 1oz 100% Nylon, 1.5oz Minsulatex Lining, 9oz

Navy S-3XL

SOFT INSULATEX WADDING SUSTAINS HEAT











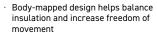




T832







- Knitted fabric with brushed backing
- · Internal pocket for safe storage
- · Elastic bound hem and cuffs for comfort and warmth
- · Reinforced panels in high wear areas for maximum durability
- · Chin guard for added comfort and stability

100% Nylon, 2oz 100% Polyester Weft Knit with

Brushed Back, 9oz Insulatex Lining, 3.5oz

Gray Marl S-3XL





FLEECE JACKET

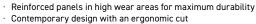






KX3 BORG FLEECE







· Zipper pockets



- · Dropped back hem for better coverage
- · Chin guard for added comfort and stability

· Front zipper opening for easy access

100% Polyester Fleece, 9oz 100% Nylon, 3oz Black/Gray S-3XL



DURABLE WATER RESISTANT OVERLAY IDEAL FOR OVERBRANDING



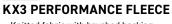
FLEECE JACKET





T830





- · Knitted fabric with brushed backing Reinforced panels in high wear areas for maximum durability
- · Internal pockets for safe storage
- · Dropped back hem for better coverage
- Front zipper opening for easy access
 Chin guard for added comfort and stability

100% Polyester Weft Knit with Brushed Back, 9oz

94% Polyester, 6% Elastane, 9oz S-3XL



PERSIAN BLUE



BACK



FLEECE JACKET



UF400

ARGYLL HEAVY FLEECE

EN 14058 CLASS 2

- · Heavy weight polar fleece with anti-pill finish for added warmth and comfort
- · Generous fit for wearer comfort
- · Zipper pockets
- · Front zipper opening for easy access
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

100% Polyester, Anti-Pill finish Fleece, 12oz

Black S-3XL, Navy S-6XL

SOFT PILE **FOR MAXIMUM COMFORT AND WARMTH**







UF205

ARAN FLEECE JACKET

EN 14058 CLASS 1

- · Middle weight polar fleece with anti-pill
- finish for added warmth and comfort
- $\cdot\,$ Generous fit for wearer comfort
- · Zipper pockets
- · Front zipper opening for easy access
- · Elasticated cuffs for a secure fit
- · Drawcord adjustable hem

100% Polyester, Anti-Pill finish

Black M-3XL, Navy S-4XL

Fleece, 8oz













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







CS11

COLDSTORE PANTS

ASTM F2732 TEMPERATURE RANGE -47 °F TO 24 °F (COMBINED WITH CS10) EN 342 0.454M2. K/W (B), 2, X



- · Abrasion resistant oxford polyester
- · Quilt lined for thermal insulation
- \cdot Elasticated back waist for a secure fit Reflective tape for increased visibility
- Zipped ankles for easy fitting over work
- · Concealed front hook and loop fastening for easy closure

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









CS10



EN 342 0.454M2. K/W (B), 2, X

- · Abrasion resistant oxford polyester
- · Quilt lined for thermal insulation
- · Knitted cuff for comfort and warmth
- Reflective tape for increased visibility
- Drawcord adjustable waist for a comfortable fit
- Concealed front hook and loop fastening for easy closure



100% Breathable Polyester, Oxford Weave, Stain-Resistant Finish, 4.5oz 100% Polyester Tafetta, 2oz 100% Polyester, 9oz

Navy S-6XL







ACCESSORIES

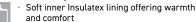




B013 KNIT HAT INSULATEX LINED







Available in an excellent choice of corporate colors



100% Acrylic, Knit Insulatex Lining, 1oz



Orange, Yellow One Size





HA10 FLEECE HAT INSULATEX LINED



- Anti-pill durable fleece fabric
- · Inner soft Insulatex™ lining traps heat fast keeping the wearer warm and protected from the elements
- Darts for additional shaping

100% Polyester, Anti-Pill finish Fleece, 8oz Insulatex Lining, 1oz Yellow One Size





B031 WATERPROOF BEANIE



- Waterproof keeping the wearer dry and protected from the elements · Outer acrylic knit fabric
- · Inner soft Insulatex™ lining traps heat fast keeping the wearer warm and protected from the elements



100% Acrylic, Knit, Porelle Membrane Insulatex Lining, 1oz |||||||||||X Black One Size





B023 REFLECTIVE TRIM KNIT **HAT INSULATEX LINED**



· Outer acrylic knit fabric



- · Soft inner Insulatex lining offering warmth and comfort
- Reflective trim for increased visibility and safety



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





B026 REFLECTIVE KNIT HAT, **INSULATEX LINED**



- Outer acrylic knit fabric
- Soft inner Insulatex lining offering warmth and comfort



Reflective trim for increased visibility and safety



100% Acrylic, Knit, Insulatex Lining, 10z Black, Navy One Size





B010 SIX PANEL BASEBALL CAP

- Durable polycotton fabric for high performance and maximum wearer comfort
- · Adjustable straps for a secure fit
- · Eyelets for added breathability
- · Ideal for corporate wear and personalization
- · Adjustable size for a perfect fit

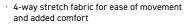
65% Polyester, 35% Cotton, 5.5oz

ACCESSORIES









- Perforated holes at breathable mouthquard allows for a comfortable wear
- This product is highly versatile and can be worn in a number of different ways

Kingsmill Polyester Stretch: 92% Polyester, 8% Elastane, 7.5oz 100% Polyester 9oz Black One Size





CS20 FLEECE BALACLAVA

- Wind resistant to protect against wind chill
- · Anti-pill durable fleece fabric







CS21 NECK TUBE

- Middle weight polar fleece with anti-pill finish for added warmth and comfort
- · Designed with a comfort fit
- · Adjustable cord and toggle for a secure fit

100% Polyester, Anti-Pill finish Fleece, 8oz Navy One Size











GL13 KNIT GLOVE INSULATEX LINED



 $\cdot\,$ Soft inner Insulatex lining offering warmth and



Knitted cuff for comfort and warmth Outer acrylic knit fabric



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



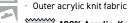
GL14 FINGERLESS KNIT **INSULATEX GLOVE**



Soft inner Insulatex lining offering warmth and comfort



Knitted cuff for comfort and warmth



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



GL16 TOUCHSCREEN KNIT GLOVE



This glove can be used with most cell phone touchscreen devices



Outer acrylic knit with metallic component allowing precise movement on touchscreen devices

Knitted cuff for comfort and warmth

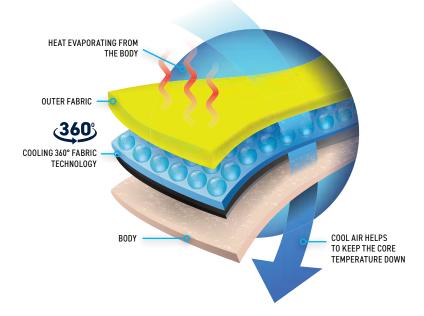


100% Acrylic, Knit Black S/M-XXL/3XL

PORTWEST COOLING 360°

THE LATEST IN COOLING TECHNOLOGY

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 100°F (40°C). This cooling range is ideal for use in these conditions.



FABRIC INFORMATION

Portwest evaporative cooling products are constructed from Cooling 360° Fabric Technology which uses a unique polymer chemistry. Simply activate by soaking in water creating a chemical reaction within the fabric which enables the garments to act like a sponge; retaining water, keeping the body cool in hot weather conditions.





STEP 2 SQUEEZE OUT EXCESS WATER



STEP 3 KEEP COOL FOR UP TO 8 HOURS

THE GARMENT WILL REMAIN HYDRATED FOR SEVERAL HOURS
TO REACTIVATE REPEAT STEPS 1, 2 AND 3

A351 358

CV04

COOLING VESTS





CV01 COOLING VEST

EN 17353 TYPE B3

- · Lightweight and comfortable
- · Cooling mesh fabric for increased breathability
- · Front zipper opening for easy access
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- · Soak in water to activate

100% Polyester Mesh, 2oz Bamboo Yarn with PVA Padding, 9.5oz Gray S/M-XXL/3XL



NEW FIXED SIDES FOR IMPROVED FIT

KEEP COOL FOR UP TO 8 HOURS



CV02 HI-VIS COOLING VEST

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

· Lightweight and comfortable

- · Cooling mesh fabric for increased breathability
- · Pen pocket
- · Reflective tape for increased visibility
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities

100% Polyester, Tricot, 3.5oz 100% Polyester Mesh, 2oz

Bamboo Yarn with PVA Padding, 9.5oz Orange S/M-XXL/3XL, Yellow S/M-XXL/3XL

ANSI TYPE R CLASS 2



INSULATED



CV09 COOLING EVAPORATIVE VEST

EN 17353 TYPE A

- · Lightweight and comfortable
- \cdot Cooling mesh fabric for increased breathability
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- · Soak in water to activate



100% Polyester, 4oz 100% Polyester, Bird Eye Knit,4oz
Super Absorbent Fibers, 5oz

Yellow S/M-XXL/3XL

HELPS STOP THE CORE FROM OVERHEATING



PORTWEST COOLING 360°

COOLING ACCESSORIES





CV05 COOLING NECK SCARF

- · Lightweight and comfortable
- · Neck shade for added protection against UV rays
- \cdot Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- Soak in water to activate

100% Polyester, Bird Eye Knit, 4oz
PVA Padding, 6oz Black, Blue, Yellow One Size 37"



CV03 COOLING CROWN WITH NECK SHADE

- Lightweight and comfortable
- Neck shade for added protection against UV rays
- \cdot Hook and loop fastening for easy attachment
- · Compatible with most hard hats
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities

100% Polyester, 4oz
Super Absorbent Fibers, 5oz
Orange/Blue, Yellow/Blue One Size





CV04 COOLING HEAD BAND

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

100% Polyester, Bird Eye Knit, 4oz Super Absorbent Fibers, 5oz Black, Blue One Size





CV11 COOLING CROWN BEANIE

- Lightweight and comfortable
- · Elasticated back panel
- Keeps wearer cool for up to 8 hours
- Wicking, cooling and drying capabilities
- Soak in water to activate

100% Polyester, Bird Eye Knit, 4oz Super Absorbent Fibers, 5oz Black, Blue, Yellow One Size

COOLING ACCESSORIES











CV06 COOLING TOWEL

- Lightweight and comfortable
- Neck shade for added protection against UV ravs
- Retail bag which aids presentation for retail
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- · Soak in water to activate

XXX PVA Padding, 6oz ■ Blue One Size 26" Length x 8" Width



CS24 COOLING MULTIWAY **SCARF**

- 4-way stretch fabric for ease of movement and added comfort
- This product is highly versatile and can be worn in a number of different ways
- Can be worn wet or dry
- Retail box which aids presentation for retail
- Keeps wearer cool for up to 8 hours

Kingsmill Polyester Stretch: 92% Polyester, 8% Elastane, 5oz

Black One Size



CV08 COOLING SLEEVES

- Lightweight and comfortable
- 4-way stretch fabric for ease of movement and added comfort
- Can be worn wet or dry
- Keeps wearer cool for up to 8 hours
- Wicking, cooling and drying capabilities
- Soak in water to activate

Kingsmill Polyester Stretch: 92% Polyester, 8% Elastane, 5oz

100% Polyester, Bird Eye Knit 4oz 16" Length





CV07 COOLING HARD HAT SWEATBAND

- · Lightweight and comfortable
 - Compatible with most hard hats
 - Keeps wearer cool for up to 8 hours
 - Wicking, cooling and drying capabilities
 - Soak in water to activate
 - · This product is sold in pairs

100% Cotton, 4oz Super Absorbent Fibers, 5oz Blue One Size 10" Length







CV10 COOLING SHOULDER INSERT

- · Lightweight and comfortable
- · Ring snap front for easy opening
- · Keeps wearer cool for up to 8 hours
- · Wicking, cooling and drying capabilities
- · Soak in water to activate

100% Polyester, 4oz Super Absorbent Fibers, 5oz Yellow/Blue One Size

FOOT PROTECTION



QUALITY SAFETY FOOT PROTECTION

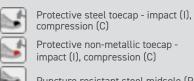
The Portwest foot protection range has been engineered for maximum safety and outstanding performance. Packed with safety features and designed using strong, flexible and innovative construction techniques. This complete range protects against safety hazards found in tough working environments, across a wide range of industries.



An exceptional collection of safety footwear made using high quality materials and components. Portwest Steelite footwear contains protective steel toecaps and/or steel midsoles, offering outstanding protection even in the toughest work environments.



A modern collection of metal free safety footwear, Portwest CompositeliteTM offers lightweight protection for all day comfort. Constructed using non-metallic protective fiberglass toecaps and/or non-metallic protective midsoles, this collection is ideal for use in environments where metal free protection is essential.



Puncture resistant steel midsole (PR)

Puncture resistant non-metallic

mid-sole (PR)

Full grain leather

Cow suede leather

Metatarsal protection

Energy absorbing seat region

Mono density sole unit

Dual Density Sole Unit

Slip resistant outsole

Water r

Heat resistant outsole 572°F

Cold ins

Non-marking sole unit

Fuel and oil resistant outsole

Wide fit

Anti sta

Waterproof construction

Water resistant upper

Cold insulation

Heat insulation

Wide fitting

Anti static footwear

Women's fit

Static dissipative footwear (SD)

SAFETY FOOTWEAR CLASSIFICATION GUIDE



ASTM F2413-18

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:

- Impact resistance (I) for the toe area of footwear.
- 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.
- 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.
- 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.

Puncture resistance (PR) for footwear devices.

ASTM F2413-18

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 behaviour.

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.
S1	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.
S2	As S1 standard plus water penetration and water absorption resistance.
S3	As S2 standard plus cleated outsole and penetration resistance.
S4	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.
S5	As S4 standard plus cleated outsole and penetration resistance.

Requirement Symbols Р Penetration resistance Electrical properties: Antistatic footwear A Resistance to inimical environments: Cold insulation CI of sole complex Whole Footwear Energy absorption of seat region Ε Water resistant WR M Metatarsal protection Water penetration and absorption WRU Dpper 🗪 HRO Resistance to hot contact Outsole F0 Resistance to fuel oil

EN ISO 20347:2012

The International Standard specifies basic and additional (optional) requirements for occupational footwear that is not exposed to any mechanical risks (impact or compression).

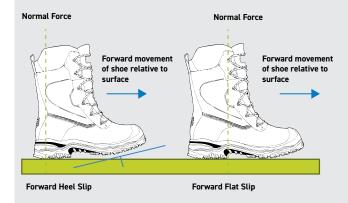
Category	Additional requirements	
ОВ	Conforms to the basic requirements set out by the standard EN ISO 20347: 2012	
01	Closed seat region, antistatic properties, energy absorption of seat region	
02	As 01 plus: Water penetration and absorption	
03	As 02 plus: Penetration resistance, cleated outsole	
04	Closed seat region, antistatic properties, energy absorption of seat region	
05	As 04 plus: Penetration resistance, cleated outsole	

ISO 13287:2019

This International 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.



ISO 13287:2019

Marking Code	Test Surface	Coefficient of Friction (ISO 13287:2019)	
		Forward Heel Slip	Forward Flat Slip
SRA	Ceramic tile with SLS*	≯ 0.28	3 0.32
SRB	Steel floor with Glycerol	≯ 0.13	३ 0.18
SRC	Ceramic tile with SLS* and Steel floor with Glycerol	> 0.28 > 0.13	> 0.32 > 0.18
*Water with 5% Sodium Lauryl Sulphate (SLS) solution			



ECO SAFETY SNEAKER





UPPER SUSTAINABLY MADE FROM POST CONSUMER WASTE



Compositelitë



FC08

PORTWEST COMPOSITELITE ECO SAFETY SNEAKER S1P ASTM F2413-18

EN ISO 20345



- PET plastic recycled knitted upper
- · Gel cushioned footbed
- · Padded collar for added comfort
- · Back pull-tab for ease of getting onto the foot
- · 3D breathable mesh lining
- Padded tongue



Technical Textile
PU/PU Outsole: F50 Black/Yellow,US 4-14



NEW



4 PET BOTTLES ARE RECYCLED TO MAKE THIS SNEAKER

EURO	UK	USA
36-48	3-13	4-14

INNOVATIVE WIRE LACE FASTENING SYSTEMS

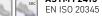


SAFETY SNEAKER













- Quick release wire lace fastening system, engineered to give an overall secure fit
- Specially considered upper materials to aid in high abrasion areas, performance and stability.
- Leather stitched toe bumper
- Enhanced tread pattern for a better traction on uneven terrain.
- · Back pull-tab for ease of getting onto the foot
- · Made with cow suede leather for a premium finish

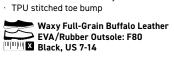


Cow Suede Leather
PU/Rubber Outsole: F29
Gray/Green, US 7-13



EURO	UK	USA
39-47	6-12	7-13

WATERPROOF SAFETY BOOT **ASTM** F2413-18 SKI-HOOK PROVIDES SECURE FIT Steelite FT05 STEELITE MONSAL HIKER BOOT S3 WP CI HRO SRC **ASTM F2413-18** EN ISO 20345 · Technical locking ski-hook provides a secure fit **HRO** 300° · Specially considered upper materials to aid in high abrasion areas, performance and stability. **ADVANCED** Enhanced tread pattern for a better traction on uneven terrain. Full grain leather upper aiding prevention of water Heel kick for fast and easy removal





ADVANCED
PROTECTION
IN TOUGH
CONDITIONS

EUR0	UK	USA
39-48	6-13	7-14



WATERPROOF SAFETY BOOT

ASTM

F2413-18

HOW IT WORKS

HOW IT WORKS

Rain/Water

Steelite



UFT69 STEELITE OHIO SAFETY **BOOT EH**

ASTM F2413-18 EH

- **HRO** 300° Protective steel toecap
 - Puncture resistant steel midsole
 - · Electric hazard protection (EH)
 - Waterproof membrane
 - · Heat resistant outsole 572°F
 - Dual density sole unit



Full Grain Tumbled Leather
PU/Rubber Outsole: F90 PU/Rubber Outs
Brown, US 7-14









HRO 120°



STEELITE ALL WEATHER BOO **S3 WR**

ASTM

F2413-18

ASTM F2413-18

EN ISO 20345

- Nubuck leather upper
- Angled top line for better fit and leg flexibility
- Back pull-tab for ease of getting onto the foot
- Padded collar for added comfort Protective TPU scuff cap for high
- impact 3D breathable mesh lining



Cow Nubuck Leather PU/TPU Outsole: F12 Black, US 6-14



от	Air	Leather
WHITCHPARTS	Inner lining	Waterproof

EURO	UK	USA
38-48	5-13	6-14



SAFETY BOOT







- · Protective composite toecap
- Puncture resistant non-metallic mid-sole (PR)
 Electric hazard protection (EH)
- · Fuel and oil resistant outsole
- · Heat resistant outsole 572°F
- · Wide fitting



Full-Grain Nubuck Leather PU/Rubber Outsole: F25 Brown, US 6-14



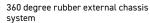
EURO	UK	USA
38-48	5-13	6-14

SAFETY BOOT











- Premium oiled leather upper Back pull-tab for ease of getting onto the foot
- Angled top line for better fit and leg flexibility
 - Dual density outsole
 - Removable EVA cushion footbed



Crazy Horse Leather PU/TPU Outsole: F12 Black US 6-14 Brown US 4-14



	EURO	UK	USA
Black	38-48	5-13	6-14
Brown	36-48	3-13	4-14

SAFETY BOOT AND SHOE





FC64

PORTWEST COMPOSITELITE **TREKKER SHOE S1**

ASTM F2413-18

EN ISO 20345

- 3D breathable mesh lining
- Back pull-tab for ease of getting onto the foot
- Suede and textile upper
- · Padded collar for added comfort
- · 100% metal free
- · Composite toe cap



Cow Suede Leather PU/PU Outsole: F21 Black, US 4-14





EURO	UK	USA
36-48	3-13	4-14

Steelite



FW63

STEELITE TREKKER BOOT S₁P

ASTM F2413-18

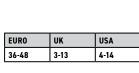
EN ISO 20345

- · 3D breathable mesh lining
- · Available in unisex sizing
- Back pull-tab for ease of getting onto the foot
- Suede and textile upper
- Padded collar for added comfort
- Made with cow suede leather for a premium finish



Cow Suede Leather PU/PU Outsole: F12 Black, US 4-14







SAFETY BOOT AND SHOE









ASTM F2413-18

EN ISO 20345

- Padded collar for added comfort
- Improved sole unit
- · Lightweight PU cushioned midsole
- Removable EVA cushion footbed
- · Heat resistant outsole 248°F
- · Protective steel toecap



Split Leather
PU/PU Outsole: F64
Black, US 3-18





EURO	UK	USA
35-52	2-17	3-18



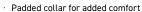


FW14

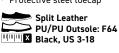
STEELITE PROTECTOR SHOE S₁P



EN ISO 20345



- · Improved sole unit
- · Lightweight PU cushioned midsole
- Removable EVA cushion footbed
- Heat resistant outsole 248°F
- · Protective steel toecap





ASTM



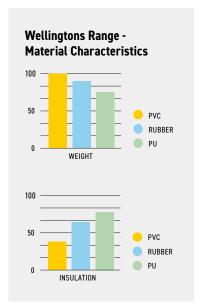
EURO	UK	USA
35-52	2-17	3-18





EURO	UK	USA
38-47	5-12	6-13







EURO	UK	USA
39-48	6-13	7-14

Green, Yellow, US 7-14 Height 16"

PU WELLINGTON







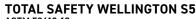




















- · Reinforced ankle protection
- · Fully waterproof
- · Dual density PVC/Nitrile construction
- Washable nylon inner lining
- Slip, fuel and oil resistant rubber outsole

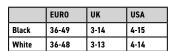




PVC/Nitrile Outsole: F06

PVC/Nitrile Outsole: F06

Black, US 4-15 Height 16", White, US 4-14







FW90











- · Anti static footwear
- · Energy absorbing seat region · 100% Waterproof to keep feet dry
- · SRC Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces

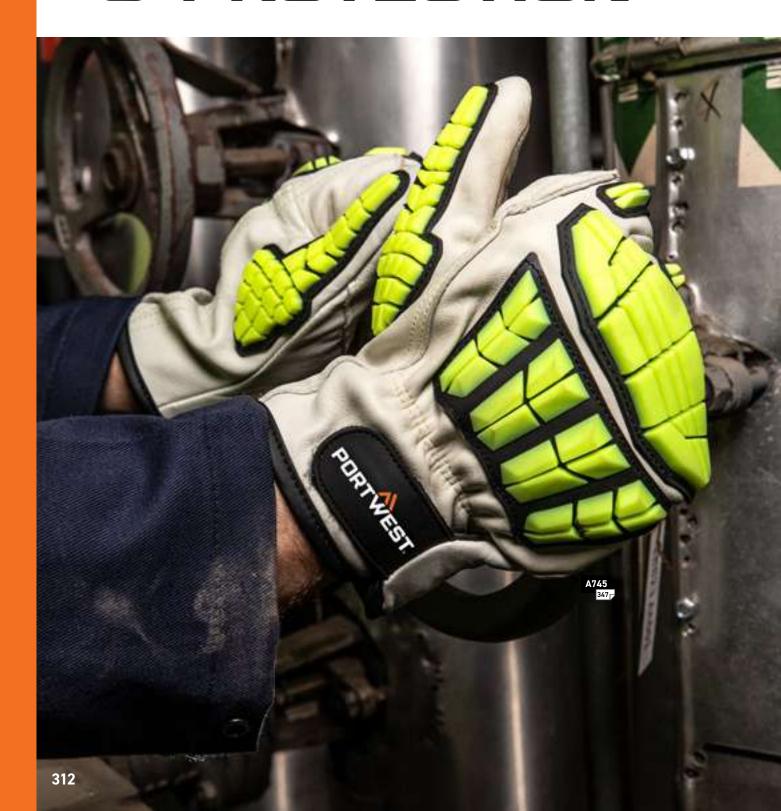


PVC Outsole: F36

Black, US 5-13 Height 16.5"

EURO	UK	USA
37-47	4-12	5-13

HAND PROTECTION



MARKET LEADING HAND PROTECTION

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.



CUT PROTECTION

37 cut protection styles, give varying degrees of protection depending on the level required.

> IMPACT

IMPACT PROTECTION

Gloves specifically designed to protect from impact hazards. Tested to ANSI/ISEA 138 standard for impact.

GRIP

DURABLE GRIP

Designed to enhance grip for precision work, protecting from a range of hazards

TOUCH

SCREEN FRIENDLY

Designed specifically for use with touchscreen monitors and devices.



LIQUID BARRIER

These gloves are the ultimate barrier to water, liquids, and non aggressive substances, and include highly water resistant gloves.

NANO

REPELS LIQUID

High tech nano coating repels liquids and maintains breathability.

MECHANIC

GENERAL HANDLING

Precision handling in dry and wet environments.

F VEND

PACKAGING SOLUTION

Improving usage monitoring and inventory control.



COLD PROTECTION

Specifically designed hand protection against the hazard of cold stress.

PRO

SPECIALIST HAND PROTECTION

Specialist gloves such as anti-vibration and arc flash protection

EXILEATHER

MULTI PURPOSE

Multi-purpose gloves with abrasion and tear resistance.

₩ELD

WELDING PROTECTION

Protection when working with hot temperatures and heated materials



CHEMICAL PROTECTION

Protection against the most commonly used chemicals in the industry.

DISPOSABLE

Disposable gloves of varying thickness to suit the needs of different work situations.



HAND PROTECTION GUIDE FIND THE RIGHT GLOVE FOR THE JOB

BELOW IS A GUIDE TO MATERIALS USED AND THE PERFORMANCE FACTORS ASSOCIATED. THIS WILL AID IN DECISION MAKING TO SECURE THE RIGHT HAND PROTECTION FOR THE JOB.

GIOVE LINER TYPE



KNITTED SEAMLESS Highly breathable and close fitting for good dexterity. The seamless liner avoids irritation offering improved comfort.



SEWN AND IMPREGNATED

Available with several types of construction and assembly, mainly cut and sewn. Coating is bound to the fabric for good resistance to abrasion. Sewing and impregnation process allows the manufacturing of thin gloves, for enhanced dexterity,



COATED/DIPPED

Made by dipping a knitted or woven cloth liner into the glove compound - the liner supports the compound and adds strength. The compound used enhances the mechanical performance with different compounds used for different conditions

GLOVE LINER MATERIAL



High performance cut resistance, comfort, abrasion resistance



LEATHER: **SPLIT GRAIN**

Abrasion resistance. durable. Dry grip





PARA-ARAMID

Cut resistance / heat resistance



COTTON Comfort / breathability



UHWPE

Premium cut resistant, free from steel and glass fibers



LEATHER:

SMOOTH GRAIN Durable, supple, oil and water repellent





GLASS FIBER Cut resistance



DIPPING MATERIAL



NITRILE

Excellent resistance to snag, cut, puncture and abrasion. Dry grip



NEOPRENE Dry, wet and oil grip

NITRILE SANDY Wet and dry grip. High abrasion resistance



NITRILE MICRO FOAM High dexterity with improved touch sensitivity



NITRILE FOAM Oil and wet grip



Good abrasion resistance. Dry grip



LATEX Dry and wet grip



PVC

Good abrasion resistance. Dry, wet and oily grip



TPR

Impact protection



TPV

Impact protection



High grip and abrasion resistance

CUFF STYLE



BEADED

Optimized liquid protection with increased cuff strength



STRAIGHT

Additional length which protects forearm from liquid runoff



PINKED

Traditional style. improved edge grip for ease of donning and glove removal



SUPPORTED GLOVES

A liner is dipped into a compound material.



GAUNTLET

Additional length which protects forearm (4" plus)



KNITWRIST Securely fits gloves in place and prevents dirt entering the

glove



SAFETY CUFF Provides additional wrist protection (2.5"

in length)



SLIP ON CUFF Easy donning, economical design



UNSUPPORTED GLOVES

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

CHOOSING THE RIGHT GLOVE SIZE

HOW TO MEASURE:

The line closest to the right side of your hand indicates the best fitting glove size.

Place your right hand on the diagram with the line between your thumb and index finger. $\square R$ Measure the circumference of your hand at the palm using a tape measure. The size chart explains which size glove will fit you best.





GLOVE AND HAND SIZE CHART AS PER STANDARD EN21240									
Hand Size	5	6	7	8	9	10	11	12	13
Palm Circumferences (inches)	5"	6"	7"	8"	9"	10"	11"	12"	13"
Hand Length (inches)	5½-6	6-6½	6½-7	7-7½	7½	8	8½	9	9½
Minimal Glove Length (inches)	8	8½	9	9½	9½-10	10-10%-	10½-11	11½-12	12½
Glove Size	XXS/5	XS / 6	S / 7	M / 8	L/9	XL / 10	XXL / 11	3XL/12	4XL/13
Portwest Cuff Color Code									

CHOOSING THE RIGHT GLOVE SIZE

KNITTING GAUGE This symbol denotes the knitting gauge of the glove liner



HEAVY



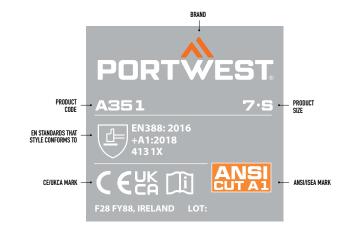














HAND PROTECTION STANDARDS EXPLAINED

ANSI/ISEA-138

American National Standard for Performance and Classification for Impact-Resistant Gloves (ANSI/ISEA 138-2019)

This new standard provides an improved method of classifying impact protection to the back of the hand. The test is conducted by dropping a 5-joule mass on the impact points of the glove, recording the force transferred in kilonewtons (kN). This test is repeated eight times for the knuckles and ten times for the fingers. Gloves are classified based on test result average of the tests conducted. To classify as an ANSI/ISEA 138 level 1, 2, or 3, the average and all test results must be within the classification parameters.

Classification For Impact Resistance					
Performance levels	Mean (kN)	All impact (kN)			
1	₹9	< 11.3			
2	₹ 6.5	€ 8.1			
3	44	₹5			

ASTM F2675-13

Test Method For Determining Arc Ratings of Hand Protective Products Developed and Used for Electrical Arc Flash Protection.

This test method is used to measure and describe the properties of hand protective products in response to convective and radiant energy generated by an electric arc under controlled laboratory conditions. There are 4 levels in the Hazard Risk Category rated by the ATPV (Arc Thermal Performance Value).

Hazard Risk Category	Minimum ATPV cal/cm²
0	n/a
1	4
2	8
3	25
4	40

ANSI/ISEA 105

American National Standard for Hand Protection

This standard addresses the classification and testing of hand protection for specific performance properties related to chemical and industrial applications. Hand protection includes gloves, mittens, partial gloves, or other items covering the hand or a portion of the hand that are intended to provide protection against or resistance to a specific hazard.

5.1 Mechanical Protection

5.1.1 Cut Resistance

The new ASTM F2992-15 test replaces ASTM F1790-05 and ensures uniform testing plus increases the performance levels beyond the old level 5. The sample is cut 15 times by a straight edge blade, under load. A new blade is used for each cut. The data is then used to determine the required load to cut through the material and this in turn is equated to a cut level. The new levels are now prefixed with the letter A.

Table 1 Classification for Cut Resistance

Level	Load (grams)	
-	<200	
A1	201-499	
A2	500-999	
A3	1000-1499	
A4	1500-2199	
A5	2200-2999	
A6	3000-3999	
A7	4000-4999	
A8	5000-5999	
A9	>6000	

5.1.2 Puncture Resistance

When tested in accordance with Clause 6.4 of EN 388:2003 Protective gloves against mechanical risks, the gloves resistance against puncture shall be classified against the levels listed in Table 2, using the puncture force.

The average of a minimum of 12 specimens shall be used to report the classification level.

Table 2. Classification for Puncture Resistance

Level	Table 2. Classification For Puncture Resistance 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 gram 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 500g load) :	Abrasion cycles to fail
0	<100
1	» 100
2	> 500
3	» 1000
Level (tested at 1000g load)	
4	» 3000
5	» 10,000
6	» 20,000

5.2 Chemical Protection

5.2.1 Chemical Permeation Resistance

When tested in accordance with ASTM F739-07, Standard Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact the gloves chemical permeation shall be classified against the levels listed in Table 4 using the average standard breakthrough time (for each chemical tested). The average of a minimum of 3 specimens shall be used to report the classification level. In reporting permeation data for each chemical the permeation rate shall be reported in $\mu g/cm^2$ min. It shall be permitted to report the cumulative permeation in g/cm^2 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
3	≽ 60
4	≯ 120
5	⇒ 240
6	» 480



5.4 Heat and Flame Protection

5.4.1 Ignition Resistance and Burning Behavior (or AfterFlame Time)

When tested in accordance with ASTM F1358-08, Test Method for Effects of Flame Impingement on Materials Used in Protective Clothing Not Designated Primarily for Flame Protection, the glove materials ignition resistance and burning 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 oreater 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(°F) at which both time-to-2nd degree burn > 15 seconds and alarm time> 4 seconds	
0	< 80	
1	80	
2	140	
3	200	
4	260	
5	320	

5.6 Dexterity

When tested in accordance with EN420:2003, Protective gloves- General requirements and test methods, clause 6.2, the dexterity shall be classified against the levels in Table 9, using smallest diameter of the pin that can be picked up.

The average of 4 pairs of gloves shall be used to report the classification level.

Table 9. Classification of Dexterity

Level	Smallest diameter of pin fulfilling test conditions (mm)	
1	11	
2	9.5	
3	8	
4	6.5	
5	5	

EUROPEAN HAND PROTECTION STANDARDS

EN ISO 21420:2020 - Protective Gloves - General Requirements And Test Methods (Updated From En 420:2003+A1:2009)

Under EN ISO 21420 this standard defines the general requirements for glove design and construction, sizing, dexterity, water vapor transmission and absorption, electrostatic properties (in accordance with EN16350:2014) and innocuousness.

Innocuousness test now includes, pH (between 3.5 and 9.5), Chromium VI for leather products (less than 3mg/kg), nickel release for metallic components, azo colorants (less that 30mg/kg), dimethylformamide or DMFa in Polyurethane products (less than 1000mg/kg), Poly Aromatic Hydrocarbons or PAH (less than 1mg/kg). The innocuousness testing covers where applicable elements of regulations such as REACH (Regulation (EC) No 1907/2006) Annex XVII.

Protective Gloves Against Mechanical Risks - EN388:2016+A1:2018

Over recent years, changes in the manufacturing process of protective gloves has meant that the well established method of hand protection testing (EN388:2003), and in particular the test to assess protection against cuts has now been deemed no longer fit for purpose. Whilst the old system in EN388:2003 and its 1-5 numbering system was easy to understand, the development

of newer cut resistant materials combined with a drive from industry to provide the highest level of cut protection possible meant that the method for testing hand protection needed to be revised.

EN388:2016 seeks to update the standard and by doing this, 2 tests have been revised (abrasion and cut) and 2 new tests have been included (straight blade cut resistance and impact resistance).

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 and 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.

REQUIREMENTS Performance level P Impact Resistance Impact-resistant properties to 51. PERFORMANCE LEVELS A - F 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: 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 cut the sample at constant speed. **PERFORMANCE LEVELS 1-4** a: ABRASION RESISTANCE:

EN 388:2016	Level 1	Level 2	Level 3	Level 4	Level 5
Abrasion resistance (number 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	-

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

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

EN388

2016

1341EP

EN 1082 Parts 1 to 3: 1997 to 2000 Parts 1 to 3: Protective clothing.

Gloves and arm guards protecting against cuts and stabs by hand knives.

EN407



1 3 1 2 1 2

Protective Gloves Against Thermal Risks (Heat and/or Fire) EN 407: 2004 (AS/NZS 2161.4)

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.

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. $\ensuremath{\,^{\circ}}$

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 / Over 200° F to 500° C / Over 930° F) 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 / Over 200°F	≥15s		
2	250°C / Over 480°F	≥15s		
3	350°C / Over 660°F	≥15s		
4	500°C / Over 930°F	≥15s		

EN407



EN 407:2020 - Glove Protective Against Thermal Risks

This standard was updated from the 2004 version in April 2020. Test 1 for resistance to flammability or burning behavior has been amended to Limited Flame Spread, and covers the inclusion of oven mitts to be classed as PPE. If a glove is tested only for contact heat an alternative symbol is used to indicate protection against heat without flame. Gloves certified to the 2004 version of the standard do not need to change until the existing certificate expires.

EN12477



Protective Gloves for Welders EN 12477: 2001 (AS/NZS 2161.3)

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).

EUROPEAN HAND PROTECTION STANDARDS



Protective Gloves: Against Chemicals And Micro-Organisms EN ISO 374-1:2016 (AS/NZS 2161.10.1)

Terminology and performance requirements for chemical risks. New to the standard - There are now 3 standard classes related to the performance level and number of chemicals they protect against. There are 6 additional chemicals to test against. There is a requirement to test for degradation EN 374-4:2013. EN374-3:2003 is

withdrawn and is replaced by EN 16523-1:2015. Gloves longer than 15.7" will have to be additionally tested in the cuff area. The requirement for testing to EN388 has been removed. The "low chemical" or "waterproof" beaker symbol has been withdrawn.

ISO 374-1:2016/Type C



ISO 374-1:2016/Type A



X - Low Chemical





Code	Chemical	Class
Α	Methanol	Primary alcohol
В	Acetone	Ketone
С	Acetonitrile	Nitrile compound
D	Dichloromethane	Chlorinated paraffin
Е	Carbon Disulphide	Sulphur containing organic compound
F	Toluene	Aromatic hydrocarbon
G	Diethylamine	Amine
Н	Tetrahydrofurane	Hetero-cyclic and ether compound
I	Ethyl Acetate	Ester
J	n-Heptane	Saturated hydrocarbon
К	Sodium hydroxide 40%	Inorganic base
L	Sulphuric acid 96%	Inorganic mineral acid
М	65% Nitric Acid	Inorganic mineral acid, oxidizing
N	99% Acetic Acid	Organic acid
0	Ammonia hydroxide 25%	Organic acid
Р	30% Hydrogen Peroxide	Peroxide
S	40% Hydofluoric acid	Inorganic inerta acid, contact poison
Т	37% Formaldehyde	Aldehyde

EN ISO 374-2:2014 Determination of resistance to penetration

There are no major changes from EN374-2:2003

ISO 374-5:2016



Marking of gloves protecting against, bacteria and fungi

ISO 374-5:2016



Additional marking for Virus

EN ISO 374-4:2013 Determination of resistance to degradation by chemicals (DR)

New to the standard – tests puncture resistance before and after exposure to a challenge chemical. The average of the performance will be recorded in the usersheet as a percentage (%).

EN ISO 374-5:2016 Terminology and performance requirements for micro-organisms risks

Microorganisms are classed as bacteria, viruses or fungi. Gloves protecting against viruses must also pass ISO16604:2004.

EN 16523-1:2015 Micro Mesh Polo Permeation by liquid chemical under conditions of continuous contact. This test is similar to EN374-3 therefore gloves certified to EN374-3 do not need to be retested.



EN 16350:2014

Protective Gloves: Electrostatic Properties

This European standard specifies a test method for the electrostatic properties of gloves. The test improves on EN1149 as it requires a lower vertical resistance of less than 10 ohms. Gloves tested to EN16350:2014 can be used in areas where there may be an increased risk of explosion, such as in a refinery.

IEC 61340-5-1:2016

Protection of Electronic Devices from Electrostatic

Phenomena: General Requirements

This standard specifies a test method for PPE products used in high sensitive areas where an electrostatic charge can potentially cause damage to delicate components such as electrical circuit boards and microchips.

All gloves in the Portwest ESD Glove collection have been tested to both standards.

EN ISO 10819

Protective Gloves: Mechanical Vibration and Shock EN 10819: 1996 (AS/NZS 2161.3)



This European Standard specifies a method for the laboratory measurement, the data analysis and reporting of the vibration transmissibility of gloves in terms of vibration transmission from a handle to the palm of the hand in the frequency range from 31.5 Hz to 1250 Hz. The standard is intended to define a screening test for the vibration transmission through gloves.



EN 455:2000

Medical gloves for single use

Part 1: Requirements and testing for freedom from holes

Part 2: Requirements and testing for physical properties

Part 3: Requirements and testing for biological evaluation

Part 4: Requirements and testing for shelf life determination



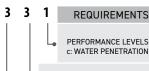
CE foodsafe

European legislation with respect to Food Contact Materials (Directive EC1935/2004) requires that food contact materials shall not transfer their ingredients to food and must not modify the organoleptic properties (ie. color, smell, texture and taste) of the food. Products intended for food contact shall be labeled as such.



Protective Gloves Against Cold EN 511:2006 (AS/NZS 2161.5)

The European standard specifies the requirements and test methods for gloves which protect against conductive cold down to -50°C/-120°F. This cold can be linked to the climate conditions or an industrial activity.



REQUIREMENTS PERFORMANCE LEVELS 0-1

PERFORMANCE | EVELS 1-4 b: RESISTANCE TO CONTACT COLD

PERFORMANCE | EVELS 1-4 a: RESISTANCE TO CONVECTIVE COLD

EN381

CLASS 1

Protective Gloves: For Users Of Hand Held Chainsaws

EN 381-7: 1999

This European Standard specifies the requirements for gloves for resistance to cutting by a chainsaw when assessed by the test method described in EN381-4. The requirements are also given for marking and for the provision of information to be supplied by the manufacturer including criteria for the selection of appropriate gloves and instructions for use.

Class	0	1	2	3
Maximum chain speed (m/s)	16m/s	20m/s	24m/s	28m/s

HAND PROTECTION









An advanced new collection of hand protection, with an expertly designed fit, providing maximum dexterity for precision handling.

Made from sustainable materials, this collection is eco-conscious while offering ultimate protection. Packed with advanced features that offer unrivalled grip, maximum comfort and cut protection. The collection also features advanced 360 breathability technology to maintain a comfortable hand temperature and touch screen functionality. All the innovation, design and quality you should expect in modern hand protection.



SUPERIOR FIT - MAXIMUM DEXTERITY

Innovatively designed, SG hand protection boasts level 5 dexterity.



ECO-CONSCIOUS

Made from recycled PET, each glove repurposes a 500ml plastic bottle. The gloves are sustainably made, using lower CO2 emissions, lower energy and water consumption than other gloves.





FEATURE-RICH DESIGN

Combining grip, touch screen capability and cut resistance, this is an impressive all-round modern hand protection collection.

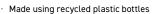




AP18 SG MR15 MICRO FOAM -







- · Saves 227g CO, per pair during production
- · Reduced water and energy usage during production
- · Reinforced thumb crotch for extra protection and durability
- · Anti-microbial finish Texpel™ Micro, kills 99.9% of bacteria
- · Nitrile micro foam coating perfect for ultra high dexterity tasks

Recycled PET Polyester, HPPE, Glass Fiber, Nylon, Elastane, Nitrile Micro Foam

Blue/Black XS-3XL





PLANET













AP15 SG LR18 MICRO FOAM -







ANSI/ISEA 105 - 2016 CUT LEVEL A2

EN ISO 21420:2020 DEXTERITY 5 EN 388:2016 +A1:2018 4X31B

- · Made using recycled plastic bottles
- · Saves 227g CO, per pair during production
- · Anti-microbial finish Texpel™ Micro, kills 99.9% of bacteria
- · Nitrile micro foam coating perfect for ultra high dexterity tasks
- · Reduced water and energy usage during
- · This glove can be used with most cell phone touchscreen devices

Recycled PET Polyester, HPPE, Glass Fiber, Nylon, Elastane, Nitrile Micro Foam

Green/Black XS-3XL



ANSI

CUT A2

18 GAUGE - SUPERIOR DEXTERITY











AP12 SG NPR15 MICRO FOAM - 12 PACK



ANSI/ISEA 105 - 2016 CUT LEVEL A1

EN ISO 21420:2020 DEXTERITY 5 EN 388:2016 +A1:2018 4131A EN 407:2020 X1XXXX

- · Provides over 200°F contact heat protection
- · Made using recycled plastic bottles
- · Reduced water and energy usage during production
- · Saves 227g CO, per pair during production
- · Anti-microbial finish Texpel™ Micro, kills 99.9% of bacteria
- · This glove can be used with most cell phone touchscreen devices

Elastane, Nitrile Micro Foam





PLANET









FOR SAFE HANDLING OF SHARP OBJECTS



Hand injury is one of the most frequent types of accident reported in the working environment, with cuts and lacerations the biggest concern in this area. Portwest's range of cut resistant gloves gives varying degrees of protection depending on what level is required.

CUT PROTECTION SUITABLE FOR ALMOST EVERY TASK

Portwest has over 37 styles of cut resistant gloves and sleeves to suit almost every task. Portwest continually works on bringing new and improved cut resistant styles to the market. Use the Portwest Cut Protection Selection Guide to help in selecting the best protection for your application.

37 CUT RESISTANT PROTECTION STYLES

- **Y** Protects hands against the risk of cut
- ✓ Multiple material gauges that offer high levels of dexterity
- Available in a range of coatings for grip in dry, wet and oily conditions



CUT PROTECTION SELECTION GUIDE

In order to assist in selecting the best cut gloves for your application, Portwest suggest using this 3 step process:

Step 1: Rate the Level of Hazard and Risk

Identify the hazard and decide on risk of injury by carrying out a risk assessment.

Identify the level of hazard:

No Hazard

1

Severe Hazard 10

Identify the level of risk:

RISK OF INJURY FACTOR				
No Perceived Risk	1			
Very Low Risk	2			
Low Risk	3			
Medium Risk	4			
High Risk	5			
Very High Risk	6			

Step 2: Calculate the Required Cut Performance Levels

Once you have carried out a risk assessment for the tasks you are performing you can use the $Hazard \times Risk \times 100$ calculation to help select the appropriate levels of cut resistance.

Multiplying the hazard by the risk will provide a figure to base the required cut resistance on. Multiplying by 100 converts the figure into grams which is the unit of measure for the ANSI 105 testing. The table below explains the performance levels.

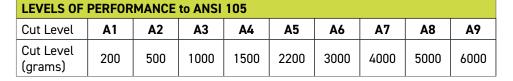
HAZARD	CUT PERFORMANCE (grams) = (Risk x Hazard) x 100							
10	1000	2000	3000	4000	5000	6000		
9	900	1800	2700	3600	4500	5400		
8	800	1600	2400	3200	4000	4800		
7	700	1400	2100	2800	3500	4200		
6	600	1200	1800	2400	3000	3600		
5	500	1000	1500	2000	2500	3000		
4	400	800	1200	1600	2000	2400		
3	300	600	900	1200	1500	1800		
2	200	400	600	800	1000	1200		
1	100	200	300	400	500	600		
RISK	1	2	3	4	5	6		

Step 3: Find the Suitable Level of Cut Protection

Apply the performance level required in Step 2 to the ANSI 105 levels below to find a suitable level of cut protection.

Gloves are tested to a minimum performance level, so if you are unsure of the required level of cut protection choose the next level up. For example, if your assessment suggests 1200 grams then perhaps choose a level A4 glove.





PORTWEST has over **37 styles** of cut resistant gloves and sleeves from level **A1** to **A8** to suit almost every task. We are continually working on bringing new and improved cut resistant styles to market.









An unrivaled collection of uniquely comfortable, ultra-strong and breathable cut protection.

The CT collection of cut resistant gloves is unlike any other offering on the market. Using innovative fabrics and production techniques, these gloves are uniquely comfortable, ultrastrong, breathable and flexible.



DyUltra is a new cut-resistant material developed to provide the highest level of abrasion resistance in the market, stronger than para-aramids. This low weight fabric offers superior comfort whilst capable of providing cut protection beyond ANSI /ISEA 105 2016 Cut Level A8. It comprises high grade ultra-high molecular weight polyethylene (UHMWPE) materials which are 15 times stronger than steel. Flexible and comfortable to wear, it does not absorb moisture or lose its shape or performance even after 10 washes.



NO STEEL AND GLASS FIBERS

The CT collection is free from glass and steel fibers, ensuring they can be worn over long periods without skin irritation, these gloves are OEKO-TEX® certified for maximum skin-friendliness.



RETAINS CUT RESISTANCE UP TO 10 WASHES

Our innovative fabric construction ensures cut resistance levels are retained for up to 10 washes, as independently tested.



FULL RANGE OF CUT AND DEXTERITY LEVELS

This premium offering is certified to ANSI and available in cut levels from level A3 to level A8, and a range of gauges 7, 13, 15 and 18.









CT AHR+ NITRILE FOAM GLOVE



- · ANSI cut level A8
 - · Free from glass and steel fibers
 - Robust 7 gauge liner
 - · Retains cut performance level for up to 10 washes
 - · Nitrile foam coating for excellent grip in wet and dry conditions
 - · Level F cut resistance

Dyultra, Nitrile Foam
Gray/Black XS-XXL



EXCEPTIONAL CUT PERFORMANCE







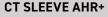








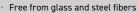
CT90



ANSI/ISEA 105 - 2016 CUT LEVEL A8 EN 388:2016 +A1:2018 3X4XF EN ISO 21420:2020

ANSI cut level A8







- · Retains cut performance level for up to 10
- · 14 inch (35cm) cut resistant protective tubular sleeve
- · Level F cut resistance

Dyultra
Gray Reg 14"

OFFERS THE HIGHEST LEVEL OF CUT PROTECTION



















CT AHR NITRILE FOAM GLOVE



EN 388:2016 +A1:2018 4X43F EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A6
- · Free from glass and steel fibers
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Retains cut performance level for up to 10 washes
- · 13 gauge liner for a perfect fit
- · Level F cut resistance

Dyultra, Nitrile Foam
Gray/Black XS-XXL















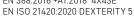




CT65







- · ANSI cut level A5
- · Free from glass and steel fibers · Nitrile foam coating for excellent grip in wet and dry conditions
- · Retains cut performance level for up to 10
- · 15 gauge liner for extra dexterity
- · Level E cut resistance

Dyultra, Nitrile Foam
Gray/Black XS-XXL



























CT45



ANSI/ISEA 105 - 2016 CUT LEVEL A4

EN 388:2016 +A1:2018 4X42D EN ISO 21420:2020 DEXTERITY 5

- ANSI cut level A4
 - · Free from glass and steel fibers
 - Nitrile foam coating for excellent grip in wet and dry conditions
 - Retains cut performance level for up to 10 washes
 - · 18 gauge liner for extra dexterity
 - · Level D cut resistance

Dyultra, Nitrile Foam
Gray/Black XS-XXL 💢 Dyultra, Nitrile Foam

















CT MR MICRO FOAM NITRILE GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A3 EN 388:2016 +A1:2018 4X31C

EN ISO 21420:2020 DEXTERITY 5



- · Free from glass and steel fibers
- · Nitrile micro foam coating perfect for ultra high dexterity tasks
- · Reinforced thumb crotch for extra protection and durability
- 18 gauge liner for extra dexterity
- · Level C cut resistance

Dyultra, Nitrile Micro Foam





















Introducing the CS cut resistant hand protection collection. Packed with features such as touchscreen compatibility, reinforced thumb crotch and reflective labels for improved visibility in low light conditions.

Each glove comprises high performance polyethylene (hppe) which is 8 times stronger than steel. The CS collection is designed to provide the highest level of cut resistance whilst allowing the wearer to carry out tasks, safely and securely. This collection of eight gloves suit almost every working environment. Including an 18 gauge option for the highest dexterity, a latex coated option for optimal grip and a leather palm option for supreme heat protection. CS Collection ensures maximum safety when needed most.



- ☑ Reinforced thumb crotch for extra protection and durability
- **☑** High level cut resistance
- **✓** Touchscreen compatible







A670 CS AHR13 PU CUT GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A6 EN ISO 21420:2020 DEXTERITY 5

EN 388:2016 +A1:2018 4X43F



- · ANSI cut level A6
- Smooth PU coating for increased abrasion resistance
- · Reflective label for improved visibility
 - Reinforced thumb crotch for extra protection and durability
 - · Seamless 13 gauge liner
 - · Level F cut resistance

HPPE, Nylon, Glass Fiber, Polyester, Elastane, Steel Fiber, Polyurethane Black XS-XXL















A671 CS AHR13 LATEX CUT GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A7

EN ISO 21420:2020 DEXTERITY 5 EN 388:2016 +A1:2018 3X44F



- · ANSI cut level A7
- · Latex foam coating for excellent grip in wet and dry
- · Reflective label for improved visibility
- · Palm dipped to increase dexterity and ventilation
- · 13 gauge liner for a perfect fit
- · Level F cut resistance

HPPE, Nylon, Glass Fiber, Polyester, Elastane, Steel Fiber, Latex Black XS-XXL













A672 CS AHR13 NITRILE CUT GLOVE





EN 388:2016 +A1:2018 4X44F



- · ANSI cut level A6
- · Nitrile foam coating for excellent grip in wet and dry
- Reflective label for improved visibility
- · Reinforced thumb crotch for extra protection and durability
- · 13 gauge liner for a perfect fit
- · Level F cut resistance

HPPE, Nylon, Glass Fiber, Polyester, Elastane, Steel Fiber, Nitrile Foam

Black XS-XXL











ANSI

CUT A6

CUT A7



PORTŴEST

CES III MI









A673 CS AHR18 NITRILE FOAM

ANSI CUT A6

CUT GLOVE



EN 388:2016 +A1:2018 4X42F

- · ANSI cut level A6
- \cdot Nitrile foam coating for excellent grip in wet and dry conditions
- · Reflective label for improved visibility
- · Reinforced thumb crotch for extra protection and durability
- · 18 gauge liner for extra dexterity
- · Level F cut resistance

💢 HPPE, Nylon, Steel Fiber, Elastane, Nitrile Foam







A660 CS VHR18 PU CUT **GLOVE**

CUT A5

ANSI





EN ISO 21420:2020 DEXTERITY 5 EN 388:2016 +A1:2018 3X42E





- · Smooth PU coating for increased abrasion resistance
- · Reflective label for improved visibility
- · Reinforced thumb crotch for extra protection and durability
- · 18 gauge liner for extra dexterity
- · Level E cut resistance

HPPE, Nylon, Steel Fiber, Elastane, PU. Nitrile

Black XS-XXL







A661 CS VHR18 NITRILE **FOAM CUT GLOVE**

ANSI





ANSI/ISEA 105 - 2016 CUT LEVEL A5

EN ISO 21420:2020 DEXTERITY 5

EN 388:2016 +A1:2018 4X42E



- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Reflective label for improved visibility
- · Reinforced thumb crotch for extra protection and durability
- · 18 gauge liner for extra dexterity
- · Level E cut resistance

HPPE, Nylon, Steel Fiber, Elastane, Nitrile Foam Gray/Black XS-XXL



























CS VHR15 NITRILE FOAM CUT GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A5 EN ISO 21420:2020 DEXTERITY 5 EN 388:2016 +A1:2018 4X44E

- · ANSI cut level A5
- Nitrile foam coating for excellent grip in wet and dry conditions
- · Reflective label for improved visibility
- · Reinforced thumb crotch for extra protection and durability
- · 15 gauge liner for extra dexterity
- · Level E cut resistance

HPPE, Nylon, Polyester, Elastane, Steel Fiber, Nitrile Foam

Gray/Black XS-XXL















A674



CS AHR13 LEATHER CUT GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A7

EN ISO 21420:2020 DEXTERITY 4 EN 388:2016 +A1:2018 4X44F EN 407:2020 X1XXXX



- · ANSI cut level A7
- · Tested for both cut and heat protection
- · Provides over 200°F contact heat protection
- · Designed for tasks that require reinforced abrasion resistance
- · 13 gauge liner for a perfect fit
- · Level F cut resistance

HPPE, Glass Fiber, Pylon, Elastane, Steel Fiber, Leather
Gray XS-XXL

PROVIDES OVER 200°F CONTACT **HEAT PROTECTION**















CUT PROTECTION

Hand injury is one of the most frequent types of accident reported in the working environment, with cuts and lacerations the biggest concern in this area. Portwest's range of cut resistant gloves gives varying degrees of protection depending on what level is required.



A667

CLAYMORE AHR CUT GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A7 ANSI/ISEA 105 - 2016 ABRASION LEVEL 6 EN 388:2016 +A1:2018 4X43F

- · ANSI cut level A7
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · Utilizes high strength basalt fibers

EN ISO 21420:2020 DEXTERITY 5

- · Designed to be worn in a tough work environment
- · Seamless 13 gauge liner
- · Level F cut resistance

HPPE, Steel Fiber, Glass Fiber, Basalt, Nitrile Sandy Blue/Black M-XXL

ANSI CUT A7





REINFORCED WITH BASALT FIBERS









A665

VHR ADVANCED CUT GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A6 ANSI/ISEA 105 - 2016 ABRASION LEVEL 6

EN 388:2016 +A1:2018 4X44E EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A6
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · Constructed from steel fibers and cut resistant materials
- · Palm dipped to increase dexterity and ventilation
- · Seamless 13 gauge liner
- · Level E cut resistance

HDPE, Stainless Steel, Glass Fiber, Nitrile Foam

Gray S-XXL



ANSI

ANSI

ABRASION 6













PROVIDES OVER 200°F CONTACT HEAT PROTECTION



A626 VIS-TEX HR CUT GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A4 ANSI/ISEA 105 - 2016 ABRASION LEVEL 6

EN 388:2016 +A1:2018 4X43D EN 407:2020 X1XXXX EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A4
- · Nitrile sandy coating
- · Provides over 200°F contact heat protection
- · Palm dipped to increase dexterity and
- · Seamless 13 gauge liner for increased wearer comfort
- · Level D cut resistance

HPPE, Glass Fiber, Nitrile Sandy Yellow/Red S-3XL





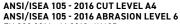








A646 VIS-TEX WINTER HR **CUT GLOVE NITRILE**



EN 388:2016 +A1:2018 4X43D EN 407:2020 X2XXXX EN 511 X2X

EN ISO 21420:2020 DEXTERITY 3

- · ANSI cut level A4
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · Provides over 650°F contact heat protection
- · Specially designed for use in cold conditions
- · Warm 7 gauge acrylic liner for extreme cold protection
- · Level D cut resistance

HPPE, Acrylic, Nitrile Sandy Orange/Black S-3XL









M HEAT **| ※THERM**



A625 VIS-TEX CUT RESISTANT

GLOVE - PU ANSI/ISEA 105 - 2016 CUT LEVEL A4 ANSI/ISEA 105 - 2016 ABRASION LEVEL 6

EN 388:2016 +A1:2018 4X43D EN 407:2020 X1XXXX EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A4
- Smooth PU coating for increased abrasion resistance
- · Provides over 200°F contact heat protection
- · Tested for both cut and heat protection
- · Seamless 13 gauge liner
- · Level D cut resistance

HPPE, Glass Fiber, PU Orange/Black S-XXL, Yellow/Black S-XXL









ANSI

ANSI

CUT A4

ANSI

ABRASION

6

ANSI

CUT A4

ANSI

ABRASION

B

CUT A4

ANSI

ABRASION 6









A630 RAZOR - LITE GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A4 ANSI/ISEA 105 - 2016 ABRASION LEVEL 5





- · ANSI cut level A4
- · Designed for tasks that require reinforced abrasion resistance
- · Additional reinforced protection on palm and forefinger areas
- · Provides over 480°F contact heat protection
- · 13 gauge liner for a perfect fit
- · Level D cut resistance

HPPE, Glass Fiber, Chrome Leather Gray S-XXL













ANSI

CUT A4





A611 ARAMID HR CUT LATEX **GLOVE**



ANSI/ISEA 105 - 2016 CUT LEVEL A4

EN 388:2016 +A1:2018 3X43D EN 407:2020 X2XXXX EN ISO 21420:2020 DEXTERITY 5



- · Crinkle latex grip offers excellent grip
- · Durable Aramid cut resistant liner
- · Provides over 480°F contact heat protection
- · Tough 10 gauge liner
- · Level D cut resistance

Polyester, Aramid, Steel Fiber, Glass Fiber, Latex

■ Black/Blue S-3XL



















AP81 LIQUID PRO HR CUT



ANSI/ISEA 105 - 2016 CUT LEVEL A4

EN 388:2016 +A1:2018 3X43D EN ISO 21420:2020 DEXTERITY 5

ANSI cut level A4

- · Dual latex coating for additional protection in tough conditions
- · Prevents grease, oil and water penetration
- · Excellent durability and grip in wet and dry conditions
- · Excellent for jobs requiring high dexterity
- · Level D cut resistance

HPPE, Nylon, Glass Fiber, Latex, Latex Foam

Blue XS-XXL

















PROTECTION







A688 PRO CUT LINER GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A4

CE FOOD SAFE

EN 388:2016 +A1:2018 3X4XD EN 407:2020 X1XXXX

EN ISO 21420:2020 DEXTERITY 4



- ANSI cut level A4
- · Ambidextrous suiting left and right handed users
- · Provides over 200°F contact heat protection
- · High visibility liner
- · 13 gauge liner for a perfect fit
- · Level D cut resistance

HPPE Hi-Vis Yellow M-XXL









ANSI

ABRASION

4

ANSI

CUT A4

















ANSI

CUT A4



A690 18 INCH CUT RESISTANT **SLEEVE**

ANSI/ISEA 105 - 2016 CUT LEVEL A4 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4X4XD EN 407:2020 X1XXXX EN ISO 21420:2020



· ANSI cut level A4



- Thumb hole for secure fit
- · 18 inch (45cm) cut resistant sleeve
- · Provides over 200°F contact heat protection
- · Seamless 13 gauge liner
- · Level D cut resistance

HPPE, Glass Fiber
Gray One Size















\\ \\ \\ \\ FOODSAFE\\ A4 N HEAT



AP50 AQUA CUT PRO GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A4 EN 388:2016 +A1:2018 4X43D EN ISO 21420:2020 DEXTERITY 5



- · ANSI cut level A4
- Double dipping for maximum liquid repellency
- · Sandy finish for exceptional grip in water, grease or oil
- · Protects against cuts and abrasion
- · Seamless 13 gauge liner
- · Level D cut resistance

HPPE, Polyester, Nylon, Glass Fiber, Elastane, Nitrile, Nitrile Foam

Blue/Black S-XXL





















A621 CUT 3/4 NITRILE FOAM **GLOVE**



ANSI/ISEA 105 - 2016 CUT LEVEL A4 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4X43D EN 407:2020 X1XXXX EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A4
- · Nitrile foam coating for excellent grip in wet and dry conditions
- Provides over 200°F contact heat protection
- 3/4 dipped for increased protection
- · 13 gauge liner for a perfect fit
- · Level D cut resistance

HDPE, Polyester, Glass Fiber, Elastane, Elastic, Nitrile

Black S-3XL



















AP52 DEXTI CUT ULTRA GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A3 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4X42C EN ISO 21420:2020 DEXTERITY 5



- · ANSI cut level A3
- · Reinforced thumb crotch for extra protection and durability
- · Sandy finish for exceptional grip in water, grease or oil
- · Excellent for jobs requiring high dexterity
- · 13 gauge liner for a perfect fit
- · Level C cut resistance

HDPE, Glass Fiber, Nitrile, Nitrile Sandy Blue/Black S-XXL







ANSI

CUT A4

ANSI

ABRASION

4

CUT A3



ABRASION 4







A622 MR CUT PU PALM GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A4 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4 EN 388:2016 +A1:2018 4X43C

EN 407:2020 X1XXXX

EN ISO 21420:2020 DEXTERITY 5



- · ANSI cut level A4
- · Provides over 200°F contact heat protection
- · Smooth PU coating for increased abrasion resistance
- Superb abrasion and tear resistance
- · 13 gauge liner for a perfect fit
- · Level C cut resistance

HPPE, Elastane, Glass Fiber, Elastic, Polyester, PU

Gray XS-3XL











ANSI ABRASION 4

ANSI

CUT A4









LR15 NITRILE FOAM TOUCHSCREEN GLOVE PK12



ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4 EN 388:2016 +A1:2018 3X31B

EN ISO 21420:2020 DEXTERITY 5 EN 407:2020 X1XXXX

- · ANSI cut level A2
- · ANSI abrasion level 4
- · This glove can be used with most cell phone touchscreen devices
- · Reinforced thumb crotch for extra protection and durability
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Level B cut resistance

Polyester, Glass Fiber, Elastic, Nitrile Foam

Black XS-XXL

IDEAL FOR USE WITH TOUCHSCREEN DEVICES



















ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 3



- · ANSI cut level A2
- · ANSI abrasion level 3
- · This glove can be used with most cell phone touchscreen devices
- · Smooth PU coating for increased abrasion resistance
- · Reinforced thumb crotch for extra protection and durability
- · Level B cut resistance

Polyester, Glass Fiber, Elastic, PU, Nitrile

Black XS-XXL

IDEAL FOR USE WITH TOUCHSCREEN DEVICES





















AMBER CUT GLOVE - NITRILE FOAM

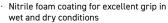


ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 6



EN 388:2016 +A1:2018 4X42B EN ISO 21420:2020 DEXTERITY 5 CE FOOD SAFE





- · Suited for food processing plants. resistant to greases, animal fats and oils
- · Palm dipped to increase dexterity and ventilation
- · 13 gauge liner for a perfect fit
- · Level B cut resistance

HPPE, Polyester, Elastane, Nitrile Foam

Amber S-XXL















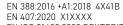
A620

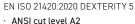


LR CUT PU PALM GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 5







- · Smooth PU coating for increased abrasion resistance
- · Offers the highest level of comfort
- · 13 gauge liner for a perfect fit
- · Level B cut resistance

HPPE, PU
Gray XS-3XL



CONTACT HEAT PROTECTION















AP31

SENTI CUT LITE GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A2

EN 388:2016 +A1:2018 3X42B EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A2
- · Smooth PU coating for increased abrasion resistance
- · Excellent for jobs requiring high dexterity
- · Performs well in dry conditions
- · 18 gauge liner for extra dexterity
- · Level B cut resistance

HDPE, PU
Black/Gray S-XXL

18 GAUGE FOR **EXCEPTIONAL DEXTERITY**

















ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4X32B EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A2
- · Sandy finish for exceptional grip in water, grease or oil
- · Reinforced thumb crotch for extra protection and durability
- · Excellent for jobs requiring high dexterity
- · 18 gauge liner for extra dexterity
- · Level B cut resistance

HPPE, Nitrile, Nitrile Sandy Green/Black S-XXL

EXTRA DEXTERITY











PROVIDES VITAL PROTECTION AGAINST ACCIDENTAL IMPACT



Hand injury is one of the most common and frequent complaints in the workplace. This collection of gloves provides vital protection against impact to the hand from multiple hazards.

DESIGNED FOR THE TOUGHEST ENVIRONMENTS

The latest development in glove technology, this collection of specially designed gloves provide protection to hands from impact hazards. Portwest Anti-Impact gloves utilize the latest research in materials technology in order to absorb a maximum amount of force from impacts.

IMPACT PROTECTION STYLES

- ✓ Designed to protect the back of the hand from accidental impact
- **Y** Protection for the fingers and knuckles
- ✓ ANSI ISEA 138 Level 1 and Level 2 protection options









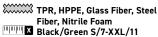
ANSI/ISEA 138-2019 IMPACT LEVEL 2 **ANSI/ISEA 105 - 2016 CUT LEVEL A7** ANSI/ISEA 105 - 2016 ABRASION LEVEL 6



EN 388:2016 +A1:2018 4X42FP EN 407:2020 X1XXXX EN ISO 21420:2020 DEXTERITY 5

- Maximum impact protection using TPR pod technology
- ANSI cut level A7
- · Provides over 480°F contact heat protection
- · Reinforced thumb crotch and padded
- · 15 gauge liner for extra dexterity
- · Nitrile foam coating for excellent grip in wet and dry conditions

TPR, HPPE, Glass Fiber, Steel Fiber, Nitrile Foam





IMPACT2



CUT A7

ANSI

ABRASION 6























DX VHR IMPACT GLOVE

ANSI/ISEA 138-2019 LEVEL 1 **ANSI/ISEA 105 - 2016 CUT LEVEL A6**

EN 388:2016 +A1:2018 4X43EP EN 407:2020 X1XXXX EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A6
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · Maximum impact protection using TPR pod technology
- · Provides over 200°F contact heat protection
- · 13 gauge liner for a perfect fit
- · Level E cut resistance

HPPE, TPR, Glass Fiber, Steel, Nitrile Sandy

Orange/Black M-3XL

PROVIDES OVER 200°F CONTACT HEAT PROTECTION



ANSI















A745

IMPACT PRO CUT GLOVE

ANSI/ISEA 138-2019 IMPACT LEVEL 2 **ANSI/ISEA 105 - 2016 CUT LEVEL A6** ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 3X42FP EN 407:2020 X2XXXX EN ISO 21420:2020 DEXTERITY 2

- · ANSI cut level A6
- · Premium leather with a reinforced palm for ultimate durability
- Maximum impact protection using TPR pod technology
- · Provides over 480°F contact heat protection
- \cdot Hook and loop strap for safe secure fit
- · Level F cut resistance

Full-Grain Cow Leather, HPPE, Stainless Steel, Cotton, TPR

Gray M-4XL





















PROVIDES







ANTI IMPACT CUT RESISTANT GLOVE



ANSI/ISEA 138-2019 LEVEL 2 ANSI/ISEA 105 - 2016 CUT LEVEL A4

EN 388:2016 +A1:2018 4X43CP EN 407:2020 X1XXXX EN ISO 21420:2020 DEXTERITY 3

- · ANSI cut level A4
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Maximum impact protection using TPR pod technology
- · Provides over 200°F contact heat protection
- · 13 gauge liner for a perfect fit
- · Level C cut resistance

TPR, HPPE, Glass Fiber, Polyester, Nylon, Elastane, Nitrile

Gray/Black S-3XL







PROVIDES OVER 200°F CONTACT HEAT PROTECTION











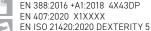
AP55



WATERPROOF CUT IMPACT



ANSI/ISEA 138-2019 LEVEL 2 ANSI/ISEA 105 - 2016 CUT LEVEL A4







- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Maximum impact protection using TPR pod technology
- · Provides over 200°F contact heat protection
- · 18 gauge liner for extra dexterity
- · Level D cut resistance

WWPE, Glass Fiber, ABS, PVC, Nitrile, Nitrile Sandy
Gray/Black S-XXL





















ANTI IMPACT GRIP GLOVE -NITRILE



ANSI/ISEA 138-2019 IMPACT LEVEL 2 ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 6

EN 388:2016 +A1:2018 4241XP EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Maximum impact protection using TPR pod technology
- · Reinforced thumb crotch for extra protection and durability
- · 13 gauge liner for a perfect fit
- · Hook and loop strap for safe secure fit

TPR, Polyester, Nitrile Yellow/Orange S-3XL



















ANTI IMPACT CUT RESISTANT THERM GLOVE



ANSI/ISEA 138-2019 IMPACT LEVEL 2 **ANSI/ISEA 105 - 2016 CUT LEVEL A4** ANSI/ISEA 105 - 2016 ABRASION LEVEL 6

EN 388:2016 +A1:2018 4X42CP EN 511 X2X EN ISO 21420:2020 DEXTERITY 3

- · ANSI cut level A4
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Maximum impact protection using TPR pod technology
- · Specially designed for use in cold conditions
- · 13 gauge liner for a perfect fit
- · Level C cut resistance

HPPE, Glass Fiber, TPR, Brushed Acrylic, Nylon, Para-Aramid, Nitrile

Gray/Black S-3XL

































PW3 GENERAL UTILITY GLOVE



EN 388:2016 +A1:2018 2121X EN ISO 21420:2020 DEXTERITY 4

- · High performance multi-purpose glove
- · Reinforced thumb crotch for extra protection and durability
- · Reflective tape for increased visibility
- · Lightweight and comfortable
- · Specially engineered high visibility material
- · Wrist strap for secure fitting

XXXXX Nylon, Polyurethane, Synthetic Leather, Elastane

Black/Yellow S-XXL

REFLECTIVE TAPE ENHANCES WEARER VISIBILITY











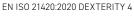




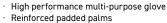














- · Additional knuckle padding for extra
- · Specially engineered high visibility material
- · Lightweight and comfortable
- · Level B cut resistance

Polyurethane, Nylon, Elastane Black/Yellow S-XXL



















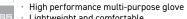
PW3 WINTER GLOVE



EN 511 12X



EN ISO 21420:2020 DEXTERITY 4



- · Lightweight and comfortable
- · Leather palm greatly improves durability
- · Thermal insulating textile lining
- · Water resistant
- · This glove can be used with most cell phone touchscreen devices

Nylon, Leather, Elastane, Polyurethane, Polyester Black/Yellow S-XXL













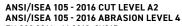








AP34 LR15 NITRILE FOAM **TOUCHSCREEN GLOVE 12PK**



EN 388:2016 +A1:2018 3X31B EN ISO 21420:2020 DEXTERITY 5 EN 407:2020 X1XXXX



- · ANSI cut level A2 · ANSI abrasion level 4
- $\cdot\,$ This glove can be used with most cell phone
- touchscreen devices
- · Reinforced thumb crotch for extra protection and durability
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Level B cut resistance

Polyester, Glass Fiber, Elastic, Nitrile Foam ■ Black XS-XXL









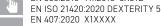




AP33 LR15 PU TOUCHSCREEN **GLOVE 12PK**



ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 3 EN 388:2016 +A1:2018 3X31B



· ANSI cut level A2

- ANSI abrasion level 3
- · This glove can be used with most cell phone touchscreen devices
- · Smooth PU coating for increased abrasion resistance
- $\cdot \;$ Reinforced thumb crotch for extra protection and durability
- · Level B cut resistance

Polyester, Glass Fiber, Elastic, PU, Nitrile Black XS-XXL













CUT A2



ABRASION 3





PORTWEST

C€協団



CUT A2

ANSI

ABRASION 4







NPR15 NITRILE FOAM TOUCHSCREEN GLOVE PK12



ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 3 EN 388:2016 +A1:2018 3121X EN ISO 21420:2020 DEXTERITY 5

- · This glove can be used with most cell phone touchscreen devices
- · Made with recycled polyester
- · Designed with a comfort fit
- · Reinforced thumb crotch for extra protection and durability
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Excellent for jobs requiring high dexterity

Recycled Polyester, Elastane, Nitrile Foam, Nitrile

Black XS - XXL













TOUCHSCREEN - PU



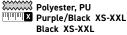
ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 2 EN 388:2016 +A1:2018 2121X

EN ISO 21420:2020 DEXTERITY 5



- · ANSI cut level A1
- Smooth PU coating for increased abrasion resistance
- Perfect for intricate tasks
- For use in electronics assembly, testing and precision work
- · Seamless 13 gauge liner
- · This glove can be used with most cell phone touchscreen devices

Polyester, PU















AP01



ANSI/ISEA 105 - 2016 CUT LEVEL A3

EN 388:2016 +A1:2018 2132X EN 511 X3X

EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A3
- · Latex foam coating for excellent grip in wet and dry conditions
- $\cdot\,$ Specially designed for use in cold conditions
- · Fully coated for maximum liquid protection
- · Warm 7 gauge acrylic liner for extreme cold protection
- · Superb abrasion and tear resistance

Brushed Acrylic, Latex, Latex Foam Blue/Black S-XXL

KEEP YOUR HANDS WARM























AP80

LIQUID PRO GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 2

EN 388:2016 +A1:2018 4131X EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · ANSI abrasion level 2
- \cdot Dual latex coating for additional protection in tough conditions
- · Liquid Pro offers maximum liquid protection
- · Lightweight and comfortable
- · 13 gauge liner for a perfect fit

Nylon, Latex, Latex Foam



WATERPROOF **GRIP GLOVES**









AP30

DERMI PRO GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 5 EN 388:2016 +A1:2018 4121X EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Fully coated for maximum liquid protection
- · Ergonomic design to reduce hand fatigue
- · 13 gauge liner for a perfect fit
- · Lightweight and comfortable

Nylon, Nitrile, Nitrile Foam
Orange/Black S-XXL

COMFORT AND DEXTERITY









NANO

HIGH TECH NANO COATING REPELS LIQUIDS AND **MAINTAINS BREATHABILITY**

The PW Nano 6000 collection has been developed with a revolutionary coating which makes the glove super hydrophobic and oleophobic. This creates a barrier between the glove and the underlying surface. This barrier is unlike anything ever seen before and is revolutionary in the glove industry. In addition to the proprietary high tech nano coating, the PW Nano 6000 collection also offers superior abrasion resistance allowing it to be used in a variety of tasks.





AP02 THERMO PRO ULTRA **GLOVE**



EN 511 X2X

EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A2
- · ANSI abrasion level 4
- · Sandy finish for exceptional grip in water, grease or oil
- · Water repellent nano coating for light splash applications
- · Specially designed for use in cold conditions
- · Warm 10 gauge acrylic liner for cold protection

Polyester, Elastic, Nitrile Sandy
Orange/Black S-XXL















AP62 DERMIFLEX AQUA GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4 EN 388:2016 +A1:2018 4131X

EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · ANSI abrasion level 4
- · Water repellent nano coating for light splash applications
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · Lightweight and comfortable
- · 15 gauge liner for extra dexterity

Mylon, Elastane, Nitrile Sandy Gray/Black S-XXL



ANSI

ANSI

CUT A2

ANSI

ABRASION

4





356

REPELS **WATER AND HEAVY OILS**









AP65 NPR PRO NITRILE



ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4131A EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Anti-microbial finish helps keep your gloves fresh and dry
- · Reduces the spread of Coronavirus by 97%
- · 100% latex free
- · 15 gauge liner for extra dexterity

Nylon, Elastane, Nitrile Foam Gray/Black XS-XXL



CUT A1



ABRASION







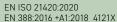
TREATED WITH TEXPEL MICRO



AP10 NPR15 FOAM NITRILE BAMBOO



GLOVE PK12





- · Made from 30% bamboo viscose
- Nitrile foam coating for excellent grip in wet and dry conditions
- \cdot Excellent durability and grip in wet and dry conditions
- · 100% latex free
- · Breathable seamless liner
- $\cdot\,$ Palm dipped to increase dexterity and ventilation

Bamboo, Nylon, Nitrile Foam Black XS-XXL











GRIP



A350 DERMIFLEX GLOVE -**NITRILE FOAM**

ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4131X EN ISO 21420:2020 DEXTERITY 5

- · ANSI abrasion level 4
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Breathable seamless liner
- · Palm dipped to increase dexterity and
- · Lightweight and comfortable
- · 15 gauge liner for extra dexterity

Nylon, Elastane, Nitrile Foam Gray/Black XS-3XL







ANSI

ABRASION 4







A351 DERMIFLEX PLUS **GLOVE - NITRILE FOAM**

ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 3 EN 388:2016 +A1:2018 4131X

EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Breathable seamless lining ideal for precision handling in dry environments
- · Nitrile dotted palm for enhanced grip
- · Lightweight and comfortable
- · 15 gauge liner for extra dexterity

Mylon, Elastane, Nitrile Foam Gray/Black S-3XL







CUT A1

ANSI

ABRASION 3

DOTTED PALM FOR **SUPERIOR GRIP**







A352 DERMIFLEX ULTRA **GLOVE - NITRILE FOAM**

ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4131X EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · Nitrile foam coating for excellent grip in wet and dry conditions
- · Low linting construction for minimal contamination
- · 3/4 dipped for increased protection
- · Lightweight and comfortable
- · 15 gauge liner for extra dexterity

Nylon, Elastane, Nitrile Foam
Gray/Black M-XXL





ANSI

CUT A1

ANSI

ABRASION 4







FLEXO GRIP NITRILE GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A1

EN 388:2016 +A1:2018 3121X EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · ANSI abrasion level 2
- · Palm dipped to increase dexterity and ventilation
- · Ideal for auto repair, construction and other
- · Lightweight for enhanced wearing comfort
- · 13 gauge liner for a perfect fit

Polyester, Elastic, Nitrile White/Gray XS-XXL











DEXTI-GRIP GLOVE - NITRILE FOAM

ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 3

EN 388:2016 +A1:2018 2121X EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · ANSI abrasion level 3
- \cdot Nitrile foam coating for excellent grip in wet and dry conditions
- · Palm dipped to increase dexterity and ventilation
- · No 1. choice for general assembly work
- · 13 gauge liner for a perfect fit

Polyester, Nitrile Foam

NITRILE FOAM **COATING FOR IMPROVED GRIP**













A100 GRIP GLOVE - LATEX



ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 2 EN 388:2016 +A1:2018 2143A

EN ISO 21420:2020 DEXTERITY 4

- · ANSI cut level A1
- · ANSI abrasion level 2
- · Crinkle latex grip offers excellent grip
- · Premium quality work glove
- · Open back for breathability
- · Tough 10 gauge liner

Solvester, Latex Yellow/Orange S-XXL Gray/Blue S-XXL







ANSI

ABRASION









A150 CLASSIC GRIP GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 3

EN 388:2016 +A1:2018 2121X EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A1
- · ANSI abrasion level 1
- · Crinkle latex grip offers excellent grip
- · Made with recycled cotton and recycled
- · Knitted cuff for comfort and warmth
- · Tough 10 gauge liner

Recycled Polyester, Latex Yellow/Orange S-XXL







CUT A1

ANSI

ABRASION 3

MADE WITH RECYCLED **MATERIALS**







A340 HI-VIS GRIP GLOVE -**LATEX FOAM**



ANSI/ISEA 105 - 2016 CUT LEVEL A1

EN 388:2016 +A1:2018 2121X EN ISO 21420:2020

- · ANSI cut level A1
- · ANSI abrasion level 2
- · Latex foam coating for excellent grip in wet and dry conditions
- · Offers the highest level of comfort
- · High visibility liner
- · 13 gauge liner for a perfect fit

Polyester, Latex
Yellow S-XXL













A130 CRISS CROSS GLOVE



EN 388:2016 +A1:2018 STANDARD CLASS 1141X EN ISO 21420:2020 DEXTERITY 5

- · Ambidextrous suiting left and right handed users
- · Textured pattern for enhanced grip
- · Extremely flexible PVC
- · Performs well in dry conditions
- · Knitted cuff for comfort and warmth
- · 7 gauge liner for dexterity

Polyester, Cotton, PVC Orange M-XL















THE VEND READY PACKAGING SOLUTION

- \mathbf{Y} Save time and money
- Improve usage monitoring and control
- \mathbf{Z} Improve inventory management
- Improve restocking inefficiencies
- Build your brand with customized packaging

VENDING STYLES



VA350 VENDING DERMIFLEX **GLOVE**



ANSI/ISEA 105 CUT LEVEL A1 EN 388:2016 +A1:2018 4131X EN ISO 21420:2020 DEXTERITY 5



Nylon, Elastane, Nitrile Foam
Gray/Black S-XXL



VA622 VENDING MR CUT PU **PALM GLOVE**



ANSI/ISEA 105 - 2016 CUT LEVEL A3



EN 388:2016 +A1:2018 4X43C EN 407:2020 X1XXX EN ISO 21420:2020 DEXTERITY 5



HPPE, Elastane, Glass Fiber, Elastic, Polyester, PU

☐ Sray XS-3XL





VA120 VENDING PU PALM



ANSI/ISEA 105 - 2016 CUT LEVEL A1



EN ISO 21420:2020 DEXTERITY 5







VA620 VENDING LR CUT PU **PALM GLOVE**



ANSI/ISEA 105 - 2016 CUT LEVEL A2 EN 388:2016 +A1:2018 4X41B EN 407:2020 X1XXX EN ISO 21420:2020 DEXTERITY 5



XXX HPPE, PU Gray M-XXL









PU PALM GLOVE



ANSI/ISEA 105 - 2016 CUT LEVEL A1



EN 388:2016 +A1:2018 3131X EN ISO 21420:2020 DEXTERITY 5



- · ANSI cut level A1
- · Smooth PU coating for increased abrasion resistance
- · Palm dipped to increase dexterity and ventilation
- · Perfect for intricate tasks
- · Maximum dexterity
- · 13 gauge liner for a perfect fit

Polyester, Elastic, PU
White XXS-3XL

























VEND READY OPTION AVAILABLE SEE PAGE 361



A123 LATEX FREE PU PALM **GLOVE - FULL CARTON (144)**



ANSI/ISEA 105 - 2016 CUT LEVEL A1 EN ISO 21420:2020 DEXTERITY 5

EN 388:2016 +A1:2018 3131X



- · ANSI cut level A1
- · Smooth PU coating for increased abrasion resistance
- · Palm dipped to increase dexterity and ventilation
- · 100% latex free
- · This product is sold in carton qty's
- · 13 gauge liner for a perfect fit

Polyester, PU Black XXS-XXL





USES LATEX FREE ELASTIC

ANSI

CUT A1





IDEAL FOR USE WITH TOUCHSCREEN DEVICES



A195 TOUCHSCREEN - PU



ANSI/ISEA 105 - 2016 CUT LEVEL A1 ANSI/ISEA 105 - 2016 ABRASION LEVEL 2 EN 388:2016 +A1:2018 2121X



EN ISO 21420:2020 DEXTERITY 5



- ANSI cut level A1 · Smooth PU coating for increased abrasion
- Perfect for intricate tasks
- For use in electronics assembly, testing and precision work
- Seamless 13 gauge liner
- · This glove can be used with most cell phone touchscreen devices

Polyester, PU
Purple/Black XS-XXL Black XS-XXL











A198 ANTISTATIC PU **FINGERTIP GLOVE**



ANSI/ISEA 105 - 2016 CUT LEVEL A1



IEC 61340-5-1 PASS EN 388:2016 +A1:2018 114XX EN ISO 21420:2020 DEXTERITY 5



ANSI cut level A1



· Smooth PU coating for increased abrasion resistance





Fingertip dipped for precision handling and maximum ventilation

· 13 gauge liner for a perfect fit

Polyester, Carbon Fiber, PU Gray XXS-XXL







ANSI

CUT A 1





CENTU MY



A030 STRING KNIT LINER GLOVE (300 PAIRS)



CE CAT 1



- · Multipack for added value
- · Sold in cartons of 300 pairs
- These gloves are ambidextrous and are suitable for left or right handed users for added functionality
- · Breathable seamless liner
- · Robust 7 gauge liner
- · Knit gauge 7 for shape retention

Polycotton White M-XL



≉THERM



A145 COLD GRIP GLOVE - LATEX

ANSI/ISEA 105 - 2016 CUT LEVEL A2 EN 388:2016 +A1:2018 2231X

EN 511 X2X

EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A2
- · Crinkle latex grip offers excellent grip
- · Palm dipped to increase dexterity and ventilation
- · Fully dipped thumb for increased coverage
- · Specially designed for use in cold conditions
- · Warm 7 gauge acrylic liner for extreme cold protection

Latex, Acrylic, Polyester, Elastic Orange/Blue M-XXL











ANSI

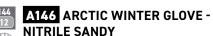
CUT A2

ANSI

ABRASION









ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 4

EN 388:2016 +A1:2018 4242X

EN 407:2020 X2XXXX EN 511 X2X

EN ISO 21420:2020 DEXTERITY 3

- · ANSI cut level A2
- · ANSI abrasion level 4
- · Flexible sandy nitrile coating offers great grip in wet and dry conditions
- · Provides over 480°F contact heat protection
- · Specially designed for use in cold conditions
- · 15 gauge liner for extra dexterity

Mylon, Acrylic, Nitrile Sandy Black L-XXL, Yellow/Black M-XXL





















A140 THERMAL GRIP GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A1 EN 388:2016 +A1:2018 1141X

EN 511 X1X EN ISO 21420:2020 DEXTERITY 4

- · ANSI cut level A1
- \cdot Crinkle latex grip offers excellent grip
- Specially designed for use in cold conditions
- · Breathable seamless liner
- · Ergonomically designed for comfort and ease of use
- · Warm 10 gauge acrylic liner for cold protection

Acrylic, Latex
Orange/Black M-XXL Yellow/Black XS-XXL













OVER 480°F CONTACT

HEAT PROTECTION











ANTI VIBRATION GLOVE



EN 10819 (TRM = 0.865 TRH = 0.598) EN 388:2016 +A1:2018 4142X

- EN ISO 21420:2020 Reduces vibration by 40%
- · Specially formulated rubber chloroprene
- · Specially designed to reduce the effects of vibration
- · For use with jack hammers, concrete breakers etc
- · Lightweight and comfortable
- · Tough 10 gauge liner

Polyester, Elastic, Rubber Chloroprene

Black M-XXL

REDUCES THE HARMFUL **EFFECTS OF VIBRATION**









A780 ARC GRIP GLOVE



ASTM F2675-13 2 ANSI/ISEA 105 - 2016 CUT LEVEL A4 ANSI/ISEA 105 - 2016 ABRASION LEVEL 6

EN 388:2016 +A1:2018 4X42D EN 407:2020 X1XXXX EN ISO 21420:2020 DEXTERITY 5

- · ANSI cut level A4
- $\,\cdot\,$ ARC Grip glove provides a high level of protection against ARC flash burns and cuts
- · Superb Arc-Flash Protection: Arc Rating (ATPV) = 9.5 cal/cm2
- · Provides over 200°F contact heat protection
- · 13 gauge liner for a perfect fit
- · Level D cut resistance

XX Aramid. Neoprene Green/Black M-XXL

ARC FLASH























PORTWEST

ESLEATHER



A230 DOUBLE PALM RIGGER GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A3

EN ISO 21420:2020 DEXTERITY 1 EN 388:2016 +A1:2018 3334X EN 407:2020 X2XXXX

- · Superior double palm rigger
- · Additional reinforced protection on palm and forefinger areas
- · Superb abrasion and tear resistance
- · For use in construction, landscaping, agriculture and forestry
- · Knuckle back protection

Cow Split Leather, Cotton Gray XL and 3XL









ANSI

CUT A3











A210 CANADIAN RIGGER GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL 3

EN ISO 21420:2020 DEXTERITY 1 EN 388:2016 +A1:2018 3223X

- · ANSI cut level A2
- · ANSI abrasion level 3
- · Cow split leather rigger
- · Knuckle back protection
- · Patch palm and vein protection
- · For use in construction, mining and landscaping

Cow Split Leather, Cotton Gray XL and 3XL











CUT A2



ABRASION 3

ANSI

CUT A2







A271 LINED DRIVER GLOVE

ANSI/ISEA 105 - 2016 CUT LEVEL A2

EN ISO 21420:2020 DEXTERITY 1 EN 388:2016 +A1:2018 3243X EN 511 22X



- · ANSI cut level A2
- · Classic leather driver
- · Keystone thumb
- · Soft inner Insulatex lining offering warmth and comfort
- · Superb abrasion and tear resistance
- · Increased puncture resistance properties

Cow Grain Leather, Insulatex





22X

PERFECT FOR **COLD CONDITIONS**







ELEATHER



A261 ORANGE TIP DRIVER GLOVES (12PK)

ANSI/ISEA 105 - 2016 ABRASION LEVEL 3

EN 388:2016 +A1:2018 2132X EN ISO 21420:2020 DEXTERITY 5

- · Orange finger tips improves wearer visibility
- \cdot Made from high quality durable goat leather
- · Classic leather driver
- · Keystone thumb
- · Elasticated cuffs for a secure fit
- · Sold in a pack of 12 pairs

Goatskin, Polyester
White M-XXL













A260 OVES DRIVER GLOVE

ANSI/ISEA 105 - 2016 ABRASION LEVEL 3

EN ISO 21420:2020 DEXTERITY 5 EN 388:2016 +A1:2018 2132X

- · ANSI abrasion level 3
- · Classic leather driver
- · Wing thumb
- · Breathable leather for use in mild and hot climates
- · Elasticated cuffs for a secure fit
- · Made from high quality durable goat leather

Coatskin Gray M-XXL







THUMB



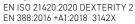






A270 CLASSIC DRIVER GLOVE

ANSI/ISEA 105 - 2016 ABRASION LEVEL 2





- · ANSI abrasion level 2
- · Classic leather driver
- · Keystone thumb
- · Breathable leather for use in mild and hot
- · Superb abrasion and tear resistance
- · Increased puncture resistance properties

Cow Grain Leather













TIG ULTRA WELDING **GAUNTLET**

ANSI/ISEA 105 - 2016 CUT LEVEL A2 EN ISO 21420:2020 DEXTERITY 2 EN 388:2016 +A1:2018 3243X EN 407:2020 412X4X EN 12477 TYPE A

- · ANSI cut level A2
- $\cdot\,$ Premium quality leather welding gauntlet
- · Made from high quality durable goat leather
- · The ultimate in dexterity for welders
- · Reinforced aramid stitching for maximum durability and burn protection

 Ideal for welding and metal handling

Buffalo Leather, Cow Split Leather,

Brown L-XXL

OVER 200°F CONTACT HEAT PROTECTION























ULTRA WELDING GAUNTLET

ANSI/ISEA 105 - 2016 CUT LEVEL A2

EN ISO 21420:2020 DEXTERITY 2 EN 388:2016 +A1:2018 4243X EN 407:2020 412X4X EN 12477 TYPE A

- · ANSI cut level A2
- · Fleece lining for added warmth and comfort
- · Premium quality leather welding gauntlet
- · Reinforced palm and thumb area
- · Reinforcement stitching on palms and
- · Reinforced aramid stitching for maximum durability and burn protection

Buffalo Leather, Cow Split Leather, Para-Aramid

Brown L-XXL













ANSI

ANSI

3



A500

WELDERS GAUNTLET

ANSI/ISEA 105 - 2016 CUT LEVEL A2 ANSI/ISEA 105 - 2016 ABRASION LEVEL A3

EN 388:2016 +A1:2018 3243X EN 407:2020 413244 EN 12477 TYPE A EN ISO 21420:2020 DEXTERITY 1

- · ANSI cut level A2
- · ANSI abrasion level 3
- · Maximum EN407 burn behavior resistance
- · Ideal for welding and metal handling
- · Fully lined with soft and comfortable cotton
- · 14 inch cow split leather gauntlet

Cow Split Leather, Cotton















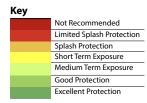
CHEMICAL PROTECTION RANGE

Protection in Serious Environments

Find the perfect chemical protection glove to suit your application with this two-step guide:

Step 1. Identify the chemical you are using in the Enhanced Chemical Protection Guide table.

Step 2. Use the color coded key to identify the gloves that offer the best level of protection.



CE Rating	Breakthrough Time (mins)
0	0 - 10 mins
1	10 - 30 mins
2	30 - 60 mins
3	60 - 120 mins
4	120 - 240 mins
5	240 - 480 mins
6	>480 mins



Enhanced Chemical Protection Guide		A801	A812	A820	
Protection Gu	liae				
Acetic Acid - Glacial	64-19-7				
Acetic Acid - Glacial Acetic Acid, 10%	64-19-7				
Acetic Acid, 20%	64-19-7				
Acetic Acid, 25%	64-19-7				
Acetone	67-64-1				
Acetonitrile	75-05-8				
Ammonium Fluoride 40%	12125-01-8 1336-21-6				
Ammonium Hydroxide 25% Amyl Acetate	628-63-7				
Amyl Alcohol	71-41-0				
Aniline	62-53-3				
Aqua Regia					
Butanol	71-36-3				
Butyl Acetate	123-86-4				
Carbon Disulphide					
Carbon Tetrachloride	56-23-5				
Cellosolve Acetate 99%	111-15-9				
Cellusolve Solvent Citric Acid 10%	110-80-5 64-19-7	+			
Cyclohexane	110-82-7	_		4	
Cyclohexanol	108-93-0			-	
Cyclohexanone	108-94-1				
Diacetone Alcohol 99%	123.42-2				
Dichloromethane	75-09-2				
Diethanolamine	111-42-2				
Diethyl Amine	109-89-7				
Di-isobutyl Ketone	108-83-8				
Dimethyl Sulphoxide	(0.10.0				
Dimethylformamide	68-12-2 64-17-5	-			
Ethanol 96% Ethanol, Absolute	64-17-5				
Ethyl Acetate	141-78-6				
Ethyl Lactate	97-64-3				
Ethylether	60-29-7				
Formaldehyde, 37%					
Formic Acid, 95%	64-19-7				
Freon 99.7%	75-69-4				
Furfural					
Hexamethyl Disilazane 99%	1049738-54-6				
Hydrochloric Acid, 10%	7647-01-0				
Hydrochloric Acid, 37%	7647-01-0				
Hydrofluoric Acid, 40% Hydrogen Peroxide, 30%	7664-39-3 7722-84-1				
Iso Propyl Alcohol (Propan-2-ol)	67-63-0				
Isobutyl Alcohol 99%	78-83-1				
Isooctane	540-84-1				
Kerosene	64742-81-0				
Methanol	67-56-1				
Methilamine	74-89-5				
Methyl Cellosolve	109-86-4				
Methyl Brand Katana	78-93-3				
Methyl Propyl Ketone Methyl t-Butyl Ether	107-87-9 1624-04-4				
n-Hexane	110-54-3	_			
n-Heptane	142-82-5				
Naptha Solvent	64742-94-5				
Nitric Acid 10%	7697-37-2				
Nitric Acid, 40%	7697-37-2				
Nitric Acid, 65%	7697-37-2				
Nitromethane	75-52-5				
Octyl Alcohol	111-87-5	1			
Ortho Phosphoric Acid	7664-38-2				
Oxalic Acid 12.5%	64-19-7	1			
Pentane 98% Petroleum Ether	109-66-0 8032-32-4				
Petroleum Ether Phenol	108-95-2	_			
Phosphoric Acid, 85%	7664-38-2				
Pottasium Hydroxide, 50%	1310-58-3				
Propan - 1 - ol	71-23-8				
Propyl Acetate	109-60-4				
Rapeseed Oil	8002-13-9				
Sodium Hydroxide, 40%	1310-73-2				
Sodium Hydroxide, 50%	1310-73-2				
Sodium Hypochlorite	7681-52-9				
Sodium Hyroxide, 20% Sodium Silicate	1310-73-2 1344-09-8				
Stoddad Solvent	8051-41-3	†			
Sulphuric Acid, 40%	7664-93-9				
Sulphuric Acid, 40%	7664-93-9	1			
Sulphuric Acid, 96%	7664-93-9				
Tannic Acid 37.5%	64-19-7				
Tetrachloroethylene	127-18-4				
Thinner	L	Х			
Toluene	108-88-3				
Turpentine White Spirit	8006-64-2 64742-88-7	+			
Xylene Xylene	1330-20-7				
nywne	1000-20-7				







DOUBLE DIPPED LATEX GAUNTLET



EN ISO 374-5 MICRO ORGANISMS EN 388:2016 +A1:2018 1010X EN ISO 374-1:2016 TYPE A AKLMNOPST EN ISO 21420:2020

- · Chemical resistant gauntlet
- · Dual latex coating for additional protection in tough conditions
- · Flock lined for added comfort
- · Retail tag which aids presentation for retail sales
- · 17 mil thickness
- · 12" length

Cotton, Latex
Yellow/Blue S-XL

TEXTURED PALM AND FINGERTIPS

















A802 **HEAVYWEIGHT LATEX RUBBER GAUNTLET**



EN ISO 374-5 MICRO ORGANISMS EN 388:2016 +A1:2018 4121X EN ISO 374-1:2016 TYPE A AKLMNOPT EN 407:2020 X1XXXX

- · Chemical resistant gauntlet
- · Manufactured from genuine natural rubber
- · Suitable for use in chemical, oil and food industries
- · Provides over 200°F contact heat protection
- · 43 mil thickness
- · 17" length

CCCCC Latex Black L-XXL

> OVER 200°F **CONTACT HEAT PROTECTION**





















NEOPRENE CHEMICAL GAUNTLET



EN ISO 21420:2020 EN 388:2016 +A1:2018 311XX EN ISO 374-1:2016 TYPE A AKLMNOPST EN ISO 374-5 MICRO ORGANISMS

- · Chemical resistant gauntlet
- · Specially formulated rubber chloroprene
- · Textured pattern for enhanced grip
- · Retail tag which aids presentation for retail sales
- · 30 mil thickness
- · 15" length

Neoprene, Cotton, Neoprene

PROTECTION AGAINST ACIDS CAUSTICS AND ALCOHOLS















A810



NITROSAFE CHEMICAL GAUNTLET - NITRILE



EN ISO 374-5 MICRO ORGANISMS EN 388:2016 +A1:2018 3101X EN ISO 374-1:2016 TYPE A JKL EN ISO 21420:2020 DEXTERITY 5

- · Chemical resistant gauntlet
- · Smooth nitrile for enhanced chemical protection
- · Textured pattern for enhanced grip
- · Flock lined for added comfort
- · 15 mil thickness
- · 13" length

Cotton, Nitrile

Green S-XXL

TEXTURED PALM





















♥ DISPOSABLE



A930 PORTWEST ORANGE HD **DISPOSABLE GLOVES**



EN ISO 21420:2020 EN 455



- Three times stronger than standard nitrile
- 7mil / 0.18mm thickness for exceptional strength
- Crystal grip technology
- Silicone free Ideal for manufacturing, paint applications, electronics and glass handling where silicone is problematic
- · Suited for food processing plants. resistant to greases, animal fats and oils
- · Ideal for auto repair, construction and other sectors

Mitrile Orange M-XL



7MIL THICKNESS

CHEM | # GRIP | 🖓 DISPOSABLE | 🖓 FOODSAFE



A925 POWDER FREE NITRILE **DISPOSABLE GLOVE**



EN ISO 21420:2020

EN 455

EN ISO 374-1:2016

- Suited for food processing plants, resistant to greases, animal fats and oils
- · Manufactured from synthetic nitrile rubber
- · 3 Mil thickness
- · 100 gloves per box
- · Disposable nitrile gloves eliminate the risk of allergic reaction associated with latex gloves

Nitrile
Blue S-XL Black M-XL



3MIL THICKNESS





A910 POWDERED LATEX DISPOSABLE GLOVE



EN ISO 21420:2020



- GMO Free
- This product is sold in singles
- This product is sold in inner boxes

Catex White M-XL





A HAZARD PROTECTION

BiztexTM hazard protective clothing is an industry leading range of limited life garments certified to the highest international standards. The extensive BiztexTM range offers powerful protection against many workplace threats. The BiztexTM range is cost effective whilst offering the wearer innovative high tech protection.





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

EN13982 - 1:2004 +A1: 2009

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.



EN1149-5: 2018

Electrostatic requirements surface resistivity (test method and requirements). This tests for the removal of electrostatic to avoid sparks that could cause fire/hazard to the wearer.



EN 13034

EN 13034: 2005 +A1:2009

Reduce spray suit (Type 6) and partial body protection items (PB6). This specifies the minimum requirements for chemical protective clothing offering limited protective performance against liquid chemicals. This standard tests for liquid chemical(Type 6 and Type PB [6] equipment) sprays and splashes that are not directional or built up on a suit but there may be a fine mist of droplets in the atmosphere.



EN 14126: 2003

This specifies the requirements and test methods for limited use protective clothing providing protection against infective agents.



PARTICLE

EN 1073-2: 2002

Protective clothing against radioactive contamination. Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.



PROTECTION

Chemical Protection

Indicates compliance with current European standards for Chemical Protective Clothing

PHYSICAL FABRIC TEST

The fabric used in th and BizTex Micropor	-	signated BizTex SMS fabric	BizTex SMS FABRIC CLASS	BizTex MICROP- OROUS FABRIC CLASS
Abrasion Resistance	EN530	Class 1 (min) - 6 (max)	2	2
Flex Cracking Resistance	ISO 7854 B	Class 1 (min) - 6 (max)	6	5
Trapezoidal Tear	ISO 9073-4 MD	Class 1 (min) - 5 (max)	1	3
Resistant	ISO 9073-4 XD	Class 1 (min) - 5 (max)	2	2
Tensile Strength	ISO 13934-1 MD	Class 1 (min) - 5 (max)	2	1
Tensile Strength	ISO 13934-1 XD	Class 1 (min) - 5 (max)	2	3
Resistance To Ignition	EN13274-4		Pass	Pass
Puncture Resis- tance	EN863	Class 1 (min) - 3 (max)	2	1
Stream Strength	ISO 13935-2	Class 1 (min) - 5 (max)	3	4

CHEMICAL FABRIC TESTS

CHEMICAL FABRIC TESTS	BizTex SM	IS FABRIC	BizTex MICROPOROUS FABRIC		
CHEMICAL FABRIC 12313	Penetration Class	Repellency Class	Penetration Class	Repellency 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	
0-xylene: Class 1(min) - 3(max)	3	2	0	3	
Butan-1-ol: Class 1(min) - 3(max)	3	2	0	0	

LIGHTWEIGHT SMS COVERALL

ST40	0£1S	
1	1	Aerospace
1	1	Agriculture and Farming
1	1	Asbestos Handling
1		Automotive
✓		Bioengineering
✓	✓	Biological Hazards
1	1	Utilities
✓	✓	Chemical Handling
1	1	Civil Protection
/	/	Construction
1		Decontamination
/		Disease/Disaster Management
<	<	Electronics
√	✓	Engineering
\	/	Food Processing
√	1	Forensic Science
/		Hazardous Materials
✓	✓	Industrial Clean-Up and Maintenance
/	1	Janitorial
✓		Military
√	✓	Nuclear Industry
✓		Oil/Grease-Related Environments
✓		Oil and Gas
✓		Paint Handling/Isocyanate
✓	✓	Pharmaceutical
✓	✓	Police
✓		Printing
1	/	Powder Coating
1	1	Roof Insulation
1	1	Slaughterhouse
/	1	Warehousing
1		Waste Management



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. The high tensile strength offered by this trilaminate fabric protects the wearer from fluid and particulate penetration without compromising on mobility or comfort. Portwest have several garments manufactured with SMS in the BizTex range.

LIGHTWEIGHT **SMS COVERALL**



ST30



BIZTEX SMS COVERALL TYPE 5/6 ANSI/ISEA 101



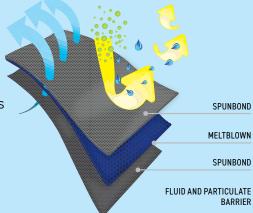
EN ISO 13982 TYPE 5 EN 13034 TYPE 6 EN 1073-2 EN 1149 -5



- · Highly breathable SMS fabric
- · Provides an effective barrier against particulates, aerosols and light sprays
- · Antistatic
- · Elasticated hood, ankles, cuffs and waist
- · Two-way zipper for quick and easy access
- · Sealable zipper storm flap for extra protection

BizTex SMS, 1.5oz White M-3XL

BREATHABLE PROTECTION AGAINST HAZARDOUS DRY **PARTICLES**



Portwest BizTex SMS products are manufactured with an integrated three layer polypropylene construction:

- SPUNBOND
- MELTBLOWN
- SPUNBOND





















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.

MICROPOROUS COVERALL



ST40



BIZTEX MICROPOROUS COVERALL TYPE 5/6



ANSI/ISEA 101 EN ISO 13982 TYPE 5B

EN 13034 TYPE 6B



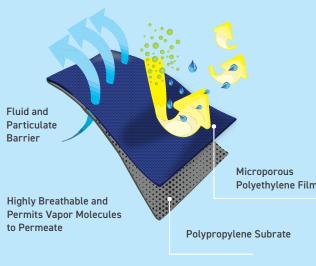
EN 1073-2 EN 1149 -5 EN 14126



- · Excellent liquid and particulate barrier protection
- · Leading design made from microporous material
- · Low linting construction for minimal contamination
- · Two-way front zipper and sealable front flap
- · Elasticated hood, ankles, cuffs and waist

BizTex Micro,
White M-3XL BizTex Micro, 2oz

IDEAL PROTECTION AGAINST CHEMICAL HAZARDS













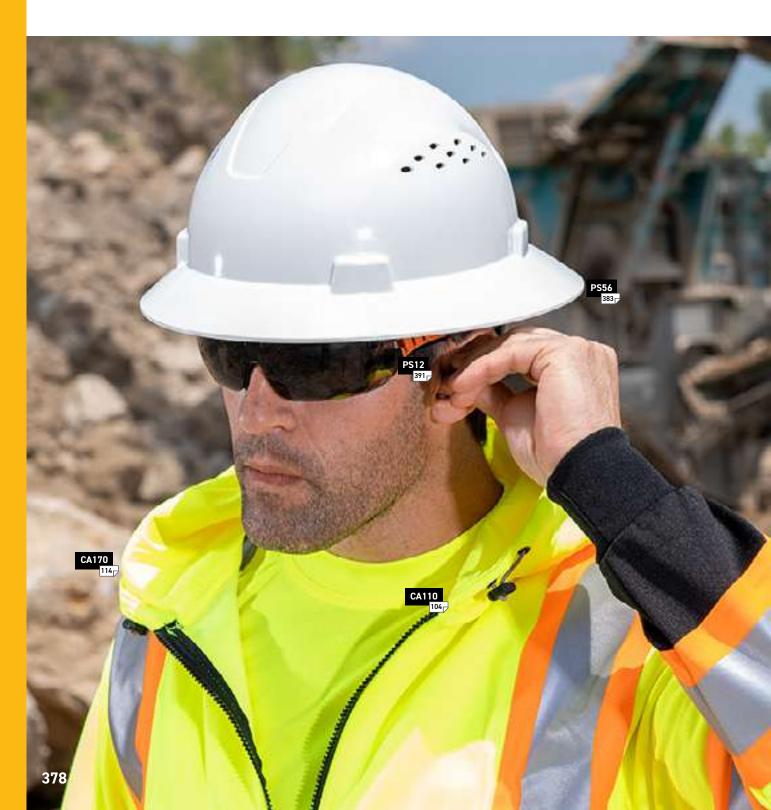






2oz

PERSONAL PROTECTION EQUIPMENT



PREMIER PPE PROTECTION

Portwest's PPE range complies with the latest standards, offering the highest level of protection. Designed with comfort in mind, this range of lightweight PPE ensures a pleasant wear even after long hours of use. Your safety is our mission.



HEAD PROTECTION 380

Portwest's head protection range aims to benefit our customers by combining the most up to date styles and standards in head protection, irrespective of job or location. Innovative, comfortable and lightweight hard hats available for multiple uses.



EYE PROTECTION 388

Portwest's eye protection range includes spectacles, safety goggles and visors, designed to protect the eyes and face of workers from injury during work activities.



HEARING PROTECTION 396

Portwest's hearing protection range includes PPE with different level sound attenuation, to be adapted to various working environments giving the correct protection from dangerous noise, without isolating the workers. This range of earmuffs offers a variety of models and colors allowing a personalized choice.



RESPIRATORY PROTECTION 400

Our BiztexTM brand ensures exceptional quality and performance across our full range of disposable masks. The extensive BiztexTM range offers a high level of protection and quality safeguarding the wearer against many workplace risks. Certified to both NIOSH and EN 149 standards.

LUGGAGE 402 KNEE PROTECTION 404 LIGHTS 406



Portwest head protection, designed to the latest standards delivers the highest level of protection. Practical and lightweight, this range will ensure a comfortable wear even for long periods of use, irrespective of job or location.



CHOOSE THE RIGHT ACCESSORIES FOR YOUR HARD HAT



	HARD HAT	PRODUCT CODES	"2-POINT CHIN STRAP"	SWEATBAND	VISOR CARRIER	VISOR	"CLIP ON EAR MUFF"
	PEAKVIEW	PV60	PW53	/	PS58	PS94, PW99	PW47
	FULL BRIM Future	PS52	/	/	PS68	PS94, PW99	/
	FULL BRIM	PS56	/	PA45, PA55	PS68	PS94, PW99	1
A CONTRACTOR OF THE PARTY OF TH	Premier	PW52	/	PA45, PA55	PS68	PS94, PW99	/
		PS53	/	PA45, PA55	PS58	PS94, PW99	PW47
en l	HEIGHT ENDURANCE	PS63	/	PA45, PA55	PS58	PS94, PW99	PW47
U		PS73	/	PA45, PA55	PS58	PS94, PW99	PW47
*	ENDURANCE	PS54	PW53	PA45, PA55	PS58	PS94, PW99	PW47
<u></u>	SAFETY PRO	PW02	/	PA45, PA55	/	/	/
	BASE PRO	PW67	/	/	/	/	/
**	FORESTRY COMBI KIT	PW98	/	PA45, PA55	PS58	PS94	PW47

ANSI/ISEA Z89.1 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 standard for Industrial Head Protection, updated in 2014.

Hard hats classification and markings based on ANSI Z89.1

Classification	Marking		Definitions
MPACT TYPE	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
ELECTRICAL CLASS	Class G (General)	Class G	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	0	Hard hats which can be worn frontward or backward. They pass all hard hat testing requirements, whether worn frontward or backward
REQUIREMENTS	Lower Temperature	LT	Hard hats meet all testing requirements of the standard when preconditioned at a temperature of -22°F (-30°C)
	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	нт	Hard hats meet the performance criteria after being preconditioned to higher temperatures of 140°F (60°C)

EN 397: 2012

European Standard for Industrial Safety Helmets

Mandatory tests:

 \cdot Impact: Energy spread to the head form must not exceed 5 kN after the fall of an object of 5 kg at 1ft high.

• Penetration: The tip of the test mass used (3 kg from 3.2ft

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, +122°F and at 14°F.

Optional tests:

• Resistance at extreme temperatures:

Testing impact and penetration are performed at 302°F, -4°F, -22°F 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 and patented model. The translucent shell and see through peak and sides allow the wearer to look upwards without the need to tilt the head. The extra strong yet ultra light weight polycarbonate shell offers UV ray protection. Peakview is the safest and most comfortable solution for your head protection.

PEAKVIEW is a trademark of Portwest.





PV60 PEAK VIEW RATCHET **HARD HAT VENTED**

ANSI/ISEA Z89.1 TYPE II, CLASS C

EN 397 -20°C

- · Translucent shell to see through peak and sides
- · Portwest exclusive design and patented model
- · 6 point textile harness
- · Wheel ratchet size adjustment for easy fitting
- · Soft foam sweat band included
- · Vented hard hat allowing a refreshing airflow around the head

Polycarbonate, PE 14oz
Blue, Clear, Green, Orange, Pink, Red, Smoke, Yellow 19.6"-26"











FULL BRIM



PW52 FULL BRIM PREMIER HARD HAT VENTED



ANSI/ISEA Z89.1 TYPE I, CLASS C

- · Vented hard hat allowing a refreshing airflow around the head
- · Wheel ratchet size adjustment for easy fitting
- · 4-point textile suspension harness for enhanced wearer comfort and safety
- · 7 years shelf life

HDPE, PET, PP, LDPE 14oz Hi-Vis Yellow, Orange, Red, Royal Blue, White, Yellow 20.5" - 24.8"





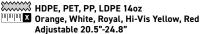


PS56 FULL BRIM PREMIER HARD HAT



ANSI/ISEA Z89.1 TYPE I, CLASS E

- Full brim hard hat: its wide profile provides extra protection against sun, glare, rain, debris and non-toxic splashes
- · Non vented for increased protection against the elements
- · 4-point textile suspension harness for enhanced wearer comfort and safety
- · Wheel ratchet size adjustment for easy fitting







PS52 FULL BRIM FUTURE HARD HAT



ANSI/ISEA Z89.1 TYPE I, CLASS E

EN 397 -10°C/+50°C

- · Full brim hard hat: its wide profile provides extra protection against sun, glare, rain, debris and non-toxic splashes
- · Non vented for increased protection against the
- · Wheel ratchet size adjustment for easy fitting
- · 4 points plastic suspension harness
- · Soft foam sweat band included
- · Up to 7 years lifetime

PP, PE 160z White 20.4"-24.8"







HEIGHT ENDURANCE HARD HAT



PS73 HEIGHT ENDURANCE MOUNTAINEER HARD HAT

ANSI/ISEA Z89.1 TYPE I, CLASS C

EN 12492

EN 397 (IMPACT / PENETRATION / -30°C)

- · Specially designed for working at height
- · Vented hard hat shell to allow air circulation cooling the wearer's head
- Chin strap included
- · Wheel ratchet size adjustment for easy fitting
- · Chin guard for added comfort and stability
- · Compatible accessories available

ABS, EPS (Expanded Polystyrene) 16oz Hi-Vis Orange, White, Hi-Vis Yellow 20.5"-24.4"









PS63 HEIGHT ENDURANCE VENTED HARD HAT



ANSI/ISEA Z89.1 TYPE I, CLASS C

EN 397 -30°C / +50°C

- · Specially designed for working at height
- · Vented hard hat allowing a refreshing airflow around the head
- · Hard hat shell made of ABS
- · Size adjustable headband via wheel ratchet system
- · Chin strap included
- · 6 point textile harness

ABS 14oz

Hi-Vis Orange, White, Hi-Vis Yellow 20.5"-24.4"





ANSI



PS53 HEIGHT ENDURANCE HARD HAT



ANSI/ISEA Z89.1 TYPE I, CLASS E

EN 397 -30°C/+50°C EN 50365 CLASS:0

- · Unvented hard hat shell for safe use with electrical applications
- · Specially designed for working at height
- · Light and robust
- · Chin strap included
- · 6 point textile harness
- · Wheel ratchet size adjustment for easy fitting

ABS 15oz

Black, Hi-Vis Orange, Royal Blue White, Hi-Vis Yellow 20.5"-24.4"

ANSI







PA03 HEIGHT ENDURANCE VISOR



ANSI/ISEA Z87.1 + EN 166 1 F

EN 170 2C-1.2 EN 172 5.2

· One piece curved lens with molded nose-bridge · Light and robust



· Anti-scratch coating for added durability

Anti-fog coating for additional comfort to the wearer

· Retail box which aids presentation for retail sales

Polycarbonate 3oz

Clear, Smoke



HARD HAT



PS54 ENDURANCE PLUS HARD HAT



ANSI/ISEA Z89.1 TYPE I, CLASS E EN 397 +50°C/-30°C, MM, LD, 440VAC

EN 50365 CLASS:0



- · Unvented hard hat shell for safe use with electrical applications
- · 6 point textile harness
- $\dot{}$ Wheel ratchet size adjustment for easy fitting
- · Chin strap included
- · Compatible accessories available
- · Up to 7 years lifetime

ABS 15oz

Hi-Vis Orange, White Adjustable 22.1"-24.8"







ANSI



PW02 SAFETY PRO HARD HAT **VENTED**



ANSI/ISEA Z89.1 TYPE I, CLASS C



- · Vented hard hat allowing a refreshing airflow around the head
- · 4 points textile harness
- · Wheel ratchet size adjustment for easy fitting
- · Lightweight for enhanced wearing comfort
- · Retail bag which aids presentation for retail

HDPE, PET, PP, LDPE 13oz White, Hi-Vis Yellow 20.5" - 24.8"



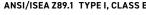


ANSI



PW67 BASE PRO HARD HAT

ANSI/ISEA Z89.1 TYPE I, CLASS E



- Unvented hard hat shell for safe use with electrical applications
- · 4-point textile suspension harness for enhanced wearer comfort and safety
- · Wheel ratchet size adjustment for easy fitting
- · Light and robust

PP 120z White, Yellow

21.6"-24.4"





SPECIALITY HARD HAT



PW98 FORESTRY COMBI KIT



ANSI/ISEA Z89.1 TYPE I CLASS C ANSI/ISEA Z87.1 (VISOR HOLDER + MESH VISOR) ANSI S3.19 (EAR MUFF)



EN 397 -30°C/+50°C, LD EN 1731 F

EN 352-3

- · Vented hard hat allowing a refreshing airflow around the head · 6 point textile harness
- · Wheel ratchet size adjustment for easy fitting
- · Soft foam sweat band included
- · Chin strap included

ABS, Stainless Steel, Polystyrene, PU 28oz

· Replacement accessories available Orange 22.1"-24.8"







PS89 ULTRA LIGHT BUMP CAP



- · Lightweight and comfortable
- · 4 points plastic suspension harness
- · Soft foam sweat band included
- · Buckle size adjustment for easy fitting
- · Retail bag which aids presentation for retail sales

HDPE, LDPE 80z

Orange, Royal Blue, White, Yellow 19.7"-23.6"





PS59 AIRTECH BUMP CAP





absorption

- · Cooling mesh fabric for increased breathability
- · High visibility color for visibility in daylight
- · Reflective piping for increased visibility
- · Buckle size adjustment for easy fitting
- · Mid peak (2") ideal for all uses

Nylon, ABS, EVA 6oz 21.3"-23.2"





HEAD PROTECTION ACCESSORIES





PW96 FACE SHIELD PLUS

ANSI/ISEA Z87.1 +

EN 166 1 BT 3 9



- Browguard including clear polycarbonate visor with aluminum edge
- Wheel ratchet size adjustment for easy

Polycarbonate, Aluminum 11oz X Clear

7.9" X 15.7"

ANSI





PS58 HARD HAT VISOR HOLDER

ANSI/ISEA Z87.1 EN 166 EN 1731 F



- · Universal slot adapter
- · Easy to clip-on
- · Simple and secure visor replacement

ABS 3oz ₩ Black







PS68 FULL BRIM VISOR HOLDER

ANSI/ISEA Z87.1

- Light and robust
 - Retail tag which aids presentation for retail
 - Individually packed for vending machines

Aluminum 6oz ||||||||||X Silver







PW99 REPLACEMENT SHIELD PLUS VISOR

ANSI/ISEA Z87.1 + EN 166 1 BT 3 9



- · Durable Polycarbonate visor with 1mm
- thickness
- Clear visor aluminum bound
- Protects from impacts, metal splashes and hot solid projections

Polycarbonate, Aluminum 5oz Clear

7.9" X 15.7"

ANSI





PS94 MESH PROTECTION VISOR



ANSI/ISEA Z87.1 EN 1731 F



- · Stainless steel wire mesh visor
- · Lightweight and comfortable
- · Easy to fit
 - Retail bag which aids presentation for retail

LDPE, Stainless Steel 4oz ™ X Black

15.4" - 7.9"

ANSI





ID12 MEDICAL INFORMATION CONTACT Instant access to potentially life saving



- Instant user/wearer recognition
- Information is held securely
- · Water resistant holder with waterproof

paper

information

PVC Red

2.7" X 0.8"





PA45 TECHNICAL **SWEATBAND**

- · Technical sweatband made of acrylic · Easy to clip-on
- · Retail bag which aids presentation for retail sales

Acrylic Black





PA55 FOAM SWEATBAND

Retail bag which aids presentation for retail



- sales Easy to fit
- Made of soft foam material for extra comfort







PW53 CHIN STRAP

- Chin guard for added comfort and stability
- Easy to clip-on
- Buckle size adjustment for easy fitting









USA STANDARDS

ANSI Z87.1: Markings

Marking	Meaning	Position
PW: Portwest	Manufacturer identification	Frame and lens
Z87	Non Impact protector	Frame and 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

REMIUM PROTECTION

* = 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

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

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 sunglare filters for industrial use

Specification for sunglare filters used in personal eye-protection for industrial use.

EN 166 Markings

f	MANUFACTURER SYMBOL	Lens / Visor	Frame / Holder	Glasses	Goggles	Visors				
•	PW: Portwest	•	•	✓	✓	*				
t	OPTICAL CLASS									
,	1: Permanent wear (distortion free)									
	2: Occasional wear	•		✓	✓	•				
	3: Brief wear									
	MECHANICAL RESISTANCE									
•	S: Minimal impact resistance (5,1 m/sec)			✓	•	•				
	F: Low energy impact (45 m/sec)			✓	✓	•				
	B: Medium energy impact (120 m/sec)	•	✓		✓	•				
	A: High energy impact (190 m/sec)					•				
	T: Impact test at extreme temperature (23°F/+131°F) OPTIONAL			✓	✓	•				
	CHEMICAL RISKS (OPTIONAL)									
	3: Resistance to liquid droplets				•					
	3: Resistance to liquid splashes					•				
	4: Resistance to large dust particles (with > 5μm grain size)	•	Y		✓					
	5: Resistance to gases and fine dust particles (with < 5µm grain size)				✓					
	ELECTRICAL RISKS (OPTIONAL)									
	8: Short circuit ARC resistance		•			•				
1	THERMAL RISKS (OPTIONAL)									
	9: Molten metal splashes and hot solids projections		✓			~				
	LENS TREATMENTS (OPTIONAL)									
	K: Resistance to surface damage by fine particles (anti-scratch treatment)									
	N: Resistance to fogging of oculars (anti-fog treatment)	*		•	*					

treatment (corresponds to N - when the treatment is certified by the notified body and marked on the lens).



Anti-Scratch treatment (corresponds to K - when the treatment is certified by the notified body and marked on the lens).

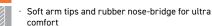
SAFETY GLASSES



PW27 FLEX SAFETY GLASSES

ANSI/ISEA Z87.1 + U6 ANSI/ISEA Z87.1 + U6 L3

EN 166 1 FT EN 170 2C-1.2 EN 172 5-3.1



- · Flexible arms for ultra comfort
- · Lightweight wrap-around design
- · Anti-fog coating for additional comfort to the wearer
- · Anti-scratch coating for added durability
 - · Retail bag which aids presentation for retail sales

Polycarbonate X Clear, Smoke





PS06 PARIS SPORT SAFETY GLASSES

ANSI/ISEA Z87.1 + U6 ANSI/ISEA Z87.1 + U6 L3

EN 166 1 F

EN 172 5-3.1



· Soft arm tips and rubber nose-bridge for ultra comfort

Side vents for added comfort

· Excellent side protection

· Anti-scratch coating for added durability

· Anti-fog coating for additional comfort to the wearer

Polycarbonate, TPR Clear, Smoke





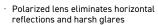




PW18 UMBRA POLARIZED SAFETY GLASSES

ANSI/ISEA Z87.1 + U6 L3 S

EN 166 1 F EN 172 5-3.1



- · Helps to reduce eye fatigue and enhances contrasts
- · Lightweight wrap-around design
- · Inclinable side arms for optimum fit
- · Extendable side arms for secure and comfortable fit
- · 99% UV protection

Polycarbonate









SAFETY GLASSES

PS11 TECH LOOK PLUS



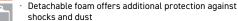
ANSI/ISEA Z87.1 + ANSI/ISEA Z87.1 + U6 L3



EN 166 1 FT EN 170 2C-1.2 EN 172 5-3.1



- · Soft arms tips for ultra comfort
- · Dual use with classic arms or with wide elastic band



· Flexible arms for ultra comfort · Side vents for added comfort



· Anti-fog coating for additional comfort to the wearer

Polycarbonate, Nylon, EVA Foam X Clear, Smoke







PS12 TECH LOOK



ANSI/ISEA Z87.1 + ANSI/ISEA Z87.1 + U6 L3



EN 166 1 FT EN 170 2C-1.2 EN 172 5-3.1



- · Soft arms tips for ultra comfort
- · Flexible arms for ultra comfort · Side vents for added comfort



- · Ultra lightweight for long uses
- · 100% metal free



· Anti-scratch coating for added durability

Polycarbonate, Nylon Clear, Smoke











PW11 LEVO GLASSES



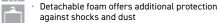
ANSI/ISEA Z87.1 + ANSI/ISEA Z87.1 + U6 L3 EN 166 1 FT



EN 170 2C-1.2 EN 172 5-3.1



 $\cdot\;$ Dual use with classic arms or with wide elastic band



- against shocks and dust Excellent ventilation through indirect vents in the back foam
- Anti-scratch coating for added durability · 100% metal free
 - · Free spec cord



Polycarbonate Clear, Smoke





SAFETY GLASSES



PS18 POLAR STAR SAFETY GLASSES



ANSI/ISEA Z87.1 + U6 L3

EN 166 1 FT EN 172 5-3.1



- · Polarized lens eliminates horizontal reflections and harsh glares
- · Helps to reduce eye fatigue and enhances contrasts
 - · Soft arm tips and rubber nose-bridge for ultra comfort
 - · Lightweight wrap-around design
 - · Anti-scratch coating for added durability
 - · 99% UV protection

Polycarbonate, TPR Smoke



ANSI



PW38 PAN VIEW GLASSES



ANSI/ISEA Z87.1 + ANSI/ISEA Z87.1 + U6 L3



EN 166 1 FT EN 170 2C-1.2





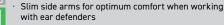
· Lightweight wrap-around design

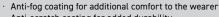


· Soft arm tips and rubber nose-bridge for ultra



· One piece curved lens with molded nose-bridge





· Anti-scratch coating for added durability



Polycarbonate

Clear lens/Black temple, Smoke lens/ Black temple







PW15 FOSSA GLASSES



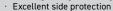
ANSI/ISEA Z87.1 + ANSI/ISEA Z87.1 + U6 L3

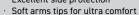


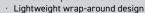
EN 166 1 FT EN 170 2C-1.2 EN 172 5-3.1

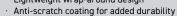


· Ultra lightweight for long uses









· 99% UV protection









SAFETY GLASSES

PS32 WRAP AROUND PLUS GLASSES



ANSI/ISEA Z87.1 + U6 EN 166 1FT EN 170 2C-1.2



- · Detachable foam offers additional protection against shocks and dust
- · Lightweight wrap-around design
 - · Flexible arms for ultra comfort
 - · Single panoramic lens glasses · Soft arms tips for ultra comfort
 - · Excellent side protection



Polycarbonate
Clear



ANSI



PW32 WRAP AROUND GLASSES



ANSI/ISEA Z87.1 + U6 ANSI/ISEA Z87.1 + U6 L3



EN 166 1 FT EN 170 2C-1.2 EN 172 5-3.1



- · Single panoramic lens glasses
- · Lightweight wrap-around design
 - · Excellent side protection



- · Flexible arms for ultra comfort
- · Soft arms tips for ultra comfort

· Anti-scratch coating for added durability







PW13 CLEAR VIEW GLASSES



ANSI/ISEA Z87.1 + U6 ANSI/ISEA Z87.1 + U6 L3 EN 166 1 F



EN 170 2C-1.2 EN 172 5-3.1



- · One piece curved lens with molded nosebridge
- · Wrap-around style for panoramic view · Ultra lightweight for long uses
- · Excellent side protection
 - · Anti-scratch coating for added durability · Anti-fog coating for additional comfort to the wearer



Polycarbonate
Clear, Smoke







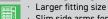
SAFETY GLASSES



EN 166 1 F EN 170 2C-1.2 EN 172 5-3.1



- · Wrap-around design
- · Ultra lightweight for long uses



- · Slim side arms for optimum comfort when working with ear defenders
- · Anti-scratch coating for added durability
- · Anti-fog coating for additional comfort to the wearer

Polycarbonate
Clear, Smoke



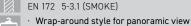




PW33 CLASSIC SAFETY GLASSES

ANSI/ISEA Z87.1 + ANSI/ISEA Z87.1 + S

EN 166 1 FT EN 170 2C-1.2 (CLEAR)



· Excellent side protection

· Extendable side arms for secure and comfortable fit

· 99% UV protection

· Available in multiple colorways

· Anti-scratch coating for added durability

Polycarbonate Clear lens/Black temple, Smoke lens/Black temple, Amber lens/Black temple









PS30 PORTWEST OVER-SPEC

ANSI/ISEA Z87.1 + U6

EN 166 1 FT EN 170 2C-1.2

EN 172 5-3.1

· Suitable for wearing over most prescription glasses

· Extendable side arms for secure and comfortable fit · Inclinable side arms for optimum fit

· Lightweight and comfortable

· Excellent side protection

· Anti-scratch coating for added durability

Polycarbonate, Nylon Clear







GOGGLES AND EYE PROTECTION ACCESSORIES



PW20 DIRECT VENT GOGGLES



ANSI/ISEA Z87.1 + EN 166 1 B



- · Flexible PVC frame for ultra comfort
- · Direct ventilation
- · Lightweight wrap-around design
- · 99% UV protection
- · Adjustable elastic headband for a perfect fit
- · Excellent side protection

Polycarbonate, PVC



ANSI



PW21 INDIRECT VENT GOGGLES



ANSI/ISEA Z87.1 +





- · Flexible PVC frame for ultra comfort · Indirect ventilation
- · Ultra lightweight for long uses · Adjustable elastic headband for a perfect fit
- · Protects from fluid and splashes
- · Excellent side protection

Polycarbonate, PVC



ANSI



PLASTIC FREE WIPES



PA01 LENS CLEANING WIPES

- · Each towelette individually wrapped
- · Anti-static and anti-fog formula
- · Suitable for all Portwest safety eyewear

White 5"x8"



PLASTIC FREE WIPES



PA02 LENS CLEANING STATION

- · Supplied in handy 'ready to hang' dispenser
- · Low linting construction for minimal contamination
- · Anti-static and anti-fog formula

600 tissues per box White 7.8" x 4.7"



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 and 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.

OSHA'S Permissibl	e 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

EUROPEAN STANDARDS

EN 352-1: 2020 Hearing Protectors - Ear Muffs

EN 352-2: 2020 Hearing Protectors - Ear Plugs

EN 352-3: 2020 Hearing Protectors - Hard Hat Mounted Ear Muffs

EN 352-4: 2020 Hearing Protectors - Level Dependent Ear Muffs

EN 352-8: 2020 Earmuffs with Entertainment Radio

All these standards establish requirements with regards to the manufacture, design, performances and test methods.

 ${\bf SNR}$ (Single Number Rating): 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)

 $\mathbf{M:}$ Attenuation of PPE at medium frequencies

L: Attenuation of PPE at low frequencies (bass sounds)

ULTIMATE PROTECTION AGAINST HARMFUL NOISES

HEADBAND AND HARD HAT MOUNTED EAR DEFENDERS





PS43 EXTREME EAR MUFF



ANSI S3.19 NRR 30DB EN 352-1 SNR 36DB



- Excellent attenuation rate
- Reflective trim for increased visibility and safety
- · Padded headband for comfort



· Adjustable dual pin system provides multiple positioning for better fit

ABS, PU Foam, Neoprene, Carbon Steel, Nylon, Foam 11oz Gray









PW43 COMFORT EAR PROTECTOR

ANSI S3.19 NRR 26DB

EN 352-1 SNR 32DB



- Ultra light and compact ear muff
- Padded headband for comfort Adjustable length for a secure and comfortable fit
- Light and robust
- · Retail bag which aids presentation for retail sales

ABS, PVC, PU Foam 8oz









PW41 SUPER EAR **PROTECTOR**



ANSI S3.19 NRR 25DB EN 352-1 SNR 30DB

- Folds to palm size for better carriage and to keep clean
- Adjustable dual pin system provides multiple positioning for better fit · Lightweight and comfortable

 - · Excellent attenuation rate

HIPS (High Impact Polystyrene), PU Foam, Polyoxymethylene, Stainless Steel 9oz

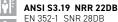








PW40 CLASSIC EAR **PROTECTOR**





- Ultra light and compact ear muff
- Adjustable length for a secure and comfortable fit
- 100% metal free



Retail bag which aids presentation for retail sales



ABS, Polycarbonate, PVC 6oz Red









PW47 ENDURANCE CLIP-ON EAR PROTECTOR

ANSI S3.19 NRR 24DB FN 352-3





- Excellent attenuation rate
- · Adjustable dual pin system provides multiple positioning for better fit
- Can be put in stand-off position for intermittent use

ABS, Polystyrene, PU, Stainless Steel 10oz X Black, Red





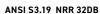


EAR PLUGS





EP08 CORDED PU FOAM EAR PLUGS (200 PAIRS)



EN 352-2 SNR 36DB

- $\cdot\,$ Disposable ear plugs made from soft PU foam
- · Corded for safe keeping
- Easy to fit
 - · Excellent attenuation rate
 - · One pair per polybag for hygienic storage

PU Foam, PVC

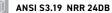








EP04 REUSABLE CORDED TPR EAR PLUGS (50 PAIRS)



EN 352-2 SNR 30DB

- Corded for safe keeping
 One pair per polybag for hygienic storage
 - · Supplied in a handy portable dispenser box
 - · Retail box which aids presentation for retail sales
 - · Individually packed for vending machines

TPR, PVC









EP30 DETECTABLE CORDED PU EAR PLUGS (200 PAIRS)

ANSI S3.19 NRR 32DB

EN 352-2 SNR 36DB

- - · Disposable ear plugs made from soft PU foam
 - · Can be used in food industries (metal detectable)
- One pair per polybag for hygienic storage
- Corded for safe keeping
- Supplied in a handy portable dispenser box
 Individually packed for vending machines











EP07 DETECTABLE TPR CORDED EAR PLUGS (50 PAIRS)

ANSI S3.19 NRR 24DB

EN 352-2 SNR 30DB

- Can be used in food industries (metal detectable)
- · One pair per polybag for hygienic storage
 - Supplied in a handy portable dispenser box
 Individually packed for vending machines
 - · Retail box which aids presentation for retail sales

TPR, PVC







EAR PLUGS





EP20 EAR PLUG DISPENSER

ANSI S3.19 NRR 32DB

EN 352-2 SNR 34DB

- · Plastic dispenser with 500 pairs of EP02 ear plugs included
- · Wall mountable for secure storage
- · Easy to use turn wheel to dispense ear plugs
- · Can stand on even surfaces







1 Unit of sale = 1 dispenser with 500 ear plugs. 4 dispensers in a carton.

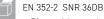






EP02 PU FOAM EAR PLUGS (200 PAIRS)

ANSI S3.19 NRR 32DB



- · Disposable ear plugs made from soft PU foam
- · Supplied in a handy portable dispenser box
- One pair per polybag for hygienic storage
- · Easy to fit
 - · Excellent attenuation rate
- · Retail box which aids presentation for retail sales

PU Foam Orange









EP21 EAR PLUG DISPENSER REFILL PACK (500 PAIRS)

ANSI S3.19 NRR 32DB EN 352-2 SNR 34DB



- · Disposable ear plugs made from soft PU foam
- · Excellent attenuation rate
- · Easy to fit
 - · Retail box which aids presentation for retail sales

PU Foam
Orange





RESPIRATORY



Our BiztexTM brand ensures exceptional quality and performance across our full range of disposable masks. The extensive BiztexTM range offers a high level of protection and quality safeguarding the wearer against many workplace risks including liquid chemicals, static electricity, dry particles and radioactive contamination.

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 then either R- or P-series filters 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-oily particles aerosol (with time use limitations specified by NIOSH)
	N100/R100/P100	99.97%			P Series - Used for oil & non-oily particles aerosol (with time use limitations specified by manufacturer)
	FFP1	≯80%	95L/Min	P1 = 78%	
EN149:2001 + A1:2009	FFP2	≽94 %	FFP2: 2,4 mbar	P2 = 92%	All masks can be used against oil & non-oily particulate aerosols
	FFP3	≽99 %		P3 = 98%	

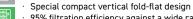




P250 N95 FOLD FLAT RESPIRATOR



EN 149 FFP2 NR



- 95% filtration efficiency against a wide range of non-oily particles
- · Individually wrapped inside hygienic polybag
- · Adjustable nose bar for improved fit and reduced fogging of glasses
- · Ultrasonic welded head straps
- \cdot Foam padding around nose bridge for added comfort





DISPOSABLE MASK N95







FRONT





P200 N95 CUP RESPIRATOR

NIOSH N95

EN 149 FFP2 NR



- · Adjustable nose bar for improved fit and reduced fogging of glasses
- · Ultrasonic welded head straps
- · 95% filtration efficiency against a wide range of non-oily
- Foam padding around the nose bridge for additional comfort
- · Large inner space to help the user to breathe more easily
- · Comfortable cup style respirator

PP, EVA Foam



P201 N95 VALVED CUP RESPIRATOR

NIOSH N95 EN 149 FFP2 NR



- 95% filtration efficiency against a wide range of non-oily particles
- · High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions
- · Adjustable nose bar for improved fit and reduced fogging of glasses
- · Ultrasonic welded head straps
- · Foam padding around the nose bridge for additional comfort
- · Large inner space to help the user to breathe more easily

PP, EVA Foam White







FRONT





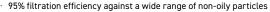
P209 N95 VALVED CUP RESPIRATOR -**BLISTER PACK(3)**



NIOSH N95 EN 149 FFP2 NR



High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions



- Adjustable nose bar for improved fit and reduced fogging of
- · Ultrasonic welded head straps
- · Foam padding around the nose bridge for additional comfort
- · Large inner space to help the user to breathe more easily

PP, EVA Foam



P220 N95 CARBON VALVED CUP RESPIRATOR



NIOSH N95 EN 149 FFP2 NR



- Activated carbon layer for improved absorption of nuisance odors, organic vapors and welding fumes
- High performance exhalation valve to reduce heat and provide comfort when used in hot and humid conditions
- · 95% filtration efficiency against a wide range of non-oily particles
- · Adjustable nose bar for improved fit and reduced fogging of glasses
- · Foam padding around the nose bridge for additional comfort
- · Ultrasonic welded head straps

PP, Activated Carbon, EVA Foam White

LUGGAGE

A comprehensive collection of versatile bags, suitable for travelling or general everyday use. Robustly constructed with strong materials and tough components. Reliability and durability guarantee 100% customer satisfaction.







HS

Heat applied segmented reflective tape for added visibility

- · 38cm/15" laptop sleeve
- · Pull string front provides extra storage
- · Two mesh water bottle pockets double as multiuse pockets
- · Padded mesh back panel and a breathable lumbar panel for comfortable ventilated support

100% Polyester 600D Fabric, 200D PU Yellow One Size L18.5" x W12.6" x H7.6"





B905 HI-VIS BACKPACK



 \cdot Durable 600D polyester fabric construction



Reflective tape for increased visibility
 Padded back panel for wearer comfort

100% Polyester 600D Fabric, 210T PA Coated Fabric Yellow One Size L11" x W8.5" x H17"



LUGGAGE



B900 HOLDALL BAG



- Robust base panel
- · Ideal for carrying tools, equipment or for use as a travel bag
- · Two zipped compartments
- · Adjustable shoulder strap for added comfort

100% Polyester, PVC Coated

L27" x W10" x H15.5"





B910 WATERPROOF HOLDALL 70L



- · Waterproof PVC construction ideal for enduring work and weather conditions
- · Inner separate mesh compartment
- · Adjustable shoulder strap for added comfort
- · Robust base panel

100% Polyester 45C/600D PVC Fabric Black One Size

L22" x W13" x H13"







B950 PW3 70L WATER-**RESISTANT DUFFLE BAG**

- · Inner separate mesh compartment
- · Adjustable shoulder strap for added comfort
- · Robust base panel
- · Incredibly durable and hardwearing
- · Detachable and adjustable ergonomic shoulder
- · Webbing loops to attach extra luggage

Ripstop TPU 200D PU Black One Size L27" x W13" x H12"



KNEE PROTECTION

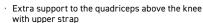
Portwest knee protection range offers knee protection to suit every situation. All Portwest kneepads use premium high density material to provide the user with the best protection possible for their knees.





KP60 THIGH SUPPORTED KNEE PAD

EN 14404:2004+A1:2010 TYPE 1 LEVEL 2



- $\cdot\,$ Hinge knee pad design for ease of movement
- and prevents bunching
- · Thermoplastic rubber non-slip cap
- · Thick gel foam padding for comfort
- · Incredibly durable and hardwearing

PP Cap, TPR, 600D Polyester, SBR, EVA Foam, Gel



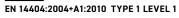


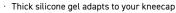
FRONT

BACK



KP40 ULTIMATE GEL KNEE PAD





- · Tough abrasion resistant PVC shell
- · Ergonomically designed and tested straps ensure no pinching to the back of the wearers leg
- Retail box which aids presentation for retail sales

PVC Shell, Nylon, EVA Foam, Neoprene
Black One Size







FRONT

BACK

KNEE PROTECTION AND SUPPORT BELT











KP30 SUPER GEL KNEE PAD

EN 14404:2004+A1:2010 TYPE 1 LEVEL 0

- Adjustable straps for a secure fit
- 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 One Size



KP20 LIGHTWEIGHT KNEE PAD

EN 14404:2004+A1:2010 TYPE 1 LEVEL 0

- Adjustable straps for a secure fit
- Lightweight wrap-around design
- Hard wearing outer shell for protection
- Breathable inner fabric allows air to circulate

Nylon, EVA Foam, Plastic ■ Black One Size











S156 PORTWEST KNEE PAD

EN 14404:2004+A1:2010 TYPE 2 LEVEL 0

- · Ergonomically designed to hug your knee
- · Fits all Portwest knee pad pockets
- · Does not impede when walking

EVA Foam ||||||||||X Black One Size 8.5" x 6.5"



KP05 KNEELING PAD

Lightweight EVA foam cushioning

- Reduces knee and back strain
- · Integral carry handle

EVA Foam Black One Size L15.5" x W7.5" x H1"



PW80 SUPPORT BELT



- Adjustable straps for a secure fit
- · Retail bag which aids presentation for retail sales
- · 8 inch wide belt designed to offer full support to the wearer
- Can be worn underneath or over clothing
- · Four heavy duty bonding strips with reinforced elastic for a comfortable fit
- · Does not restrict movement

Latex, Polyester Black S-XL



LIGHTS

Offering a versatile selection of lighting and accessories that provide excellent performance for an extensive array of tasks.



USB rechargeable lights will fully charge from any USB port



Run time



Brightness



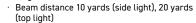


PA65 INSPECTION FLASHLIGHT

ROHS



Brightness 150/40 lumens



- Run time 4/10 hours
- · Batteries included AAA x 3
- · Durable and practical with rubberized coating
- · Handy belt clip for easy transportation

ABS
Black One Size L 6.5" x D 1"







PA60 7 LED RUBBER **FLASHLIGHT**





- · Beam distance 55 yards
- · Run time 8 hours
- · Batteries included D x 2
- · Rubberized grip for strong hold
- · Impact and water resistant

Rubber, ABS
Yellow/Black One Size
L 7.7" x D 3"









FLASH LIGHT



PA75

USB RECHARGEABLE FLASHLIGHT ROHS





- · Run time 4 hours
- · Recharge time 3 hours
- · Function high-medium-low-sos-flash
- · Other battery options: AAA x 3
- · Micro USB charging cable included





Power Bank

IMPACT AND WATER RESISTANT













PA54 TACTICAL FLASHLIGHT









- · Beam distance 330 yards max
- · Batteries included AAA x 3
- · Function high-medium-flash · Handy belt clip for easy transportation











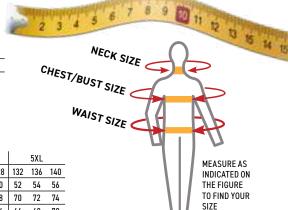
SIZE CONVERSIONS

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	4		-	XL	X.	ΧL		3XL		4)	(L
METRIC (CM)		37	38	39	41	42	43	44	46	47	48	50	51
IMPERIAL (INCHES)		14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20





MEN'S WAIST

	Х	S	!	S	ı	1		L		L	X.	XL	32	XL	4XL			5XL	
METRIC (CM)	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140
IMPERIAL (INCHES)	26	28	30	32	33	34	36	38	40	41	42	44	46	47	48	50	52	54	56
EURO - DE, NL, BE	42	44	46	48		50	52	54	56		58	60	62		64/66	68	70	72	74
EURO - FR, ES, PT	34	36	38	40	42	44	46	48	50	52	54	56	58		60/62	64	66	68	70



MEN'S CHEST

	X	XS		XS		5	6	ı	1		L		XL		XX	XL	3)	(L	4)	ΚL		5XL			6XL			7XL			8XL	
METRIC (CM)	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	148	152	156	160	164	168	172	176	180	184	188	192	196
IMPERIAL (INCHES)	28	30	32	33	34	36	38	40	41	42	44	46	47	48	50	52	54	55	56	58	60	62	64	65	66	67	69	71	73	74	76	77
EURO	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98
T-SHIRTS/POLOS (ALL TOPS)	х	S			S			М			L	Х	L	X	XL		3XL															



WOMEN'S BUST

		XS			S		М	L		X	L	X	(L	32	(L	42	ΧL
METRIC (CM)	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136
IMPERIAL (INCHES)	28	30	32	33	34	36	38	40		42	44	46	47	48	50	52	54
EURO - DE, BE, NL, NO, SV, DK	32	34	36		38	40	42	44		46	48	50		52	54	56	58
EURO - FR, ES, PT	34	36	36/38		40	42	44	46/48		48	50	52		54	56	58	60
ITALY - IT	36	38	40		42	44	46	46		50	52	54		56	58	60	62
UK				8	10	12	14	16		18	20	22	24		26	28	30
T-SHIRTS/POLOS (ALL TOPS)		XS			S	ı	М	L	XL	2)	(L	3)	(L	4)	(L		



WOMEN'S WAIST

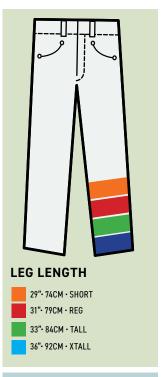
	XS	XS		S	1	И		L	Х	L		XXL		3)	(L		4XL	
METRIC (CM)	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128
IMPERIAL (INCHES)	22	24	26	28	30	32	33	34	36	38	40	41	42	44	46	47	48	50
EURO – DE, BE, NL, NO, SV, DK	32/34	36	38	40		42	44	46	48	50	52		54	56	58	60	62	64
EURO - FR, ES, PT	34/36	38	40	42		44	46	48	50	52	54		56	58	60	62	64	66
ITALY - IT	36/38	40	42	44		46	48	50	52	54	56		58	60	62	64	66	68
UK		6	8	10	12	14		16	18	20	22		24		26		28	

Note: Garment sizes vary depending on the style.

FOOTWEAR SIZE CHART

It is recommended to have your foot measured when purchasing footwear as there is no exact standard for converting shoe sizes.

UK WOMEN'S SIZE	1	2	3	4	5	6	6.5	7	8	9										
US WOMEN'S SIZE			5	6	7	8	8.5	9	10	11										
EURO SIZE:	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
UK MENS SIZE	1	2	3	4	5	6	6.5	7	8	9	10	10.5	11	12	13	14	15	16	17	
US MENS SIZE			4	5	6	7	7.5	8	9	10	11	11.5	12	13	14	15	16	17	18	



G	L	<u>ا</u> ر	/E	S				
XXS 5	XS	S	М	L	XL	XXL	3XL	4XL
5	6	7	8	9	10	11	12	13

COLOR GUIDE

KINGSMILL | MASTER SHADES



100% COTTON WORKWEAR | MASTER SHADES



T-SHIRTS/POLOS | MASTER SHADES



KEY SYMBOLS



Stretch panelling
This symbol indicates the garment has stretch panelling in key movement areas for greater flexibility.



Dual ID holder

Dual ID holder allows use of both portrait and landscape ID card display



100% metal free 100% metal free



CE certified

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



Anti-scratch design
Anti-scratch design with no exposed metal parts



Ventilation ports

Ventilation ports for maximum breathability



UKCA marked

This symbol indicates UKCA marking in progress at time of print. All products placed on the UK market from January 2023 must be UKCA marked.



Detachable lining

This symbol indicates that the garment has detachable



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



Cell phone pocket

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



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.



Print access

This symbol indicates that garments have print/embroidery



Free spec cord

Free spec cord with styles showing this symbol.



Hood

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



Interactive garment

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



Knitting Gauge

This symbol denotes the knitting gauge of the fabric.



UPF 40+

40+ UPF rated fabric to block 98% of UV ravs



Two-way zipper

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



Multiple storage pockets

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



This symbol indicates the fabric has a UPF rating of 35+ so will block 97% of the UV rays which fall on the garment.



Reversible garment

This symbol indicates that garments are reversible.



Anti-scratch

Surface coating intended to mitigate scratch effects on the lens



1 laver

This symbol indicates that the garment is unlined and is made using only the outer layer of fabric.



Breathable garment

This symbol indicates that the garment is made of a high performance breathable fabric.



Anti-fog

Surface treatment which helps reduce fogging effects on



2 laver

This symbol indicates that the product has 2 layers - an outer and an inner laver.



Half elasticated waist

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



Lateral deformation

Optional test for safety hard hats, it indicates the resistance to lateral compressions.



3 layer

This symbol indicates that the garment has 3 layers - an outer, a mid and an inner layer.



Fully elasticated waistband

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



Optional test for safety hard hats, it indicates the resistance to molten metals and hot solids projection.



Holster pockets



Knee pad pockets

Many of our products incorporate knee pad pockets. These garments have been developed to carry our range of ergonomically designed knee pads.



RIS symbol

This symbol indicates that the garment meets the railroad industry standard for high visibility warning clothing.



Touchscreen glove

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



Sealed seams

This symbol indicates that the garment has sealed



This symbol indicates that the garment has flame resistant

This symbol indicates that the garment has heat applied



Heat applied flame resistant tape This symbol indicates that the garment has heat applied

wash, flame resistant reflective tape.

flame resistant reflective tape

Indicates that the garment has double-stitched, industrial



Welded waterproof seams This symbol indicates that the garment has high-frequency

welded waterproof seams.

Certified after 50x washes

*Minimum requirement under the EN norm is 5 washes

This symbol indicates compliance with EN ISO 20471 after



Vending ready

reflective tape

Heat applied reflective tape

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



⚠ WARNING

Cancer and reproductive harm www.p65warnings.ca.gov

410

PRODUCT FEATURES



IMPROVED

Indicates an improvement to the existing



Indicates the size range of the product from smallest to largest size.



Made for women

This symbol indicates that the products have been designed for a women's fit with their safety



New Color Indicates that a new color/colors have been added to the style.



New style This symbol indicates a new product has been added to the brochure.



Multi-seasonal Garment This symbol indicates the garmen is multi-functional and can be



Portwest planet This symbol indicates eco conscious products made using certified recycled or sustainable



PET bottles used Indicates the number of PET bottles used, calculated using a 550ml bottle and based on a size L product.



Insulated This symbol indicates the garment is padded to trap the heat and increase warmth



Lined This symbol indicates the garment is lined for added warmth and comfort



Temp Range This symbol indicates the garment is tested for wear at the temperature indicated for the time period indicated.

fabrics or materials.



Temp Range This symbol indicates the garment is tested to ASTM F2732 for wear at the temperature range indicated.

PRODUCT DETAIL SYMBOLS

Fabric

This symbol indicates garment fabric details

************ Contrast Fabric

This symbol indicates the garment contrast fabric

This symbol indicates the garment lining details

Wadding

This symbol indicates the garment wadding details

| III | X

X-Color

This symbol indicates the standard colors within that product range

Y

Y-Color

This symbol indicates the deep dye colors within that product range

7-Color

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

Upper

This symbol indicates the material used in the upper of the product

Sole

This symbol indicates the material used in the sole of

PACK AND CARTON QUANTITY



Carton Quantity

product presentation for retail sales.

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

Indicates that the item is shipped with a retail box to aid



Garment Hanger

This symbol indicates products are packed with a hanger and retail packaging for display in retail outlets. Ask the sales



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 barcodes. Ask the sales team for more information.



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



Blister packed

This symbol indicates that items are blister-packed for retail sales.

PACKING QUANTITIES

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.

Packing Terms B = Inner Box C = Outer Carton

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.



Example 1 10 = Inner Box

200 = Total Outer Carton

Example 1 U0S=1

In this case the UOS = 1 piece

Where pack symbols are colored orange the UOS is greater than 1.



Example 2

UOS=3000

Example 2 100 = Inner Box 500 = Mid Pack

3000 = Total Outer

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



Example 3 10 = Inner Box

x30 = Total Outer Carton Quantity (300)

Example 3 U0S=10

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



Example 4 50 = Inner Box

x10 = The Number of Inner Boxes Per Mid Pack

Example 4 U0S=50

x6 = The Number of Mid Packs Per Carton

Inner Boxes Per Carton (10x6

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

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

Examples of units of sale (UOS)

1 = Singles = Garments, specialist gloves sold in singles 2 = Pair = Footwear, most gloves

B = Inner box = Disposable gloves C = Carton = Biztex, Disposable gloves



2 = Pair





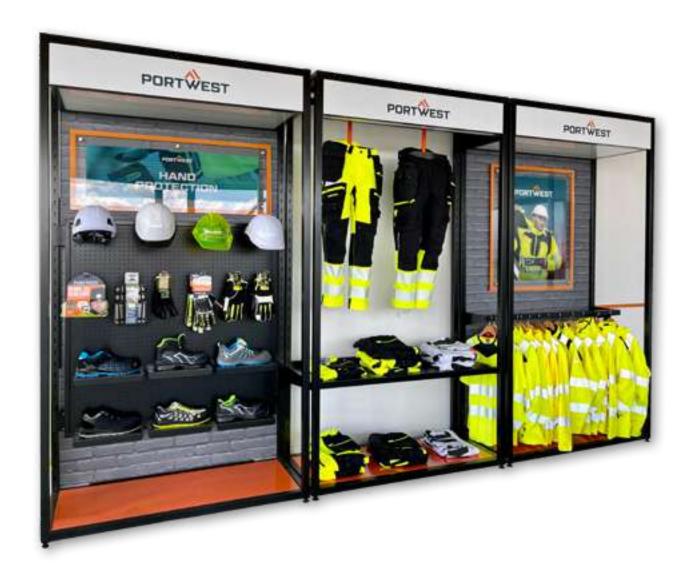
MERCHANDISING



CREATE A STRONG PRESENCE AND DRIVE SALES

Engage customers and drive sales with display units from our off the shelf suite of merchandising and point of sale products.

They are versatile, flexible, easy to use and can be fitted in any retail space. We will work with you to design and create the perfect retail space that enhances our brand and helps you sell more products.



INSPIRING SHOP IN SHOP DESIGN SOLUTIONS

Portwest has introduced a bespoke shop-in-shop design and installation service for premium retail spaces.

Our team of designers will work with you to create an impactful retail space that will elevate the brand and drive more sales.

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All styles marked green are new styles All styles marked pink are womans styles All styles marked yellow have new colorways

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,	

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VA622	361

OUR COMPLETE PRODUCT RANGE



























As a global company, Portwest are committed to minimizing the impact of our operations on the environment and the natural resources we consume, while ensuring a safe and equal workplace for our colleagues. Our sustainability strategy is underpinned by 4 strategic pillars: Environment, Labor and Human Rights, Sustainable Procurement and Ethics. We call this Portwest Planet.

1. ENVIRONMENT

We are dedicated to increasing the use of sustainable and recycled materials in product manufacturing, and this year we introduced eco-conscious product to our range.

We are certified to ISO 14001, meaning we have a fully integrated and proactive Environmental Management System. 85% of all our garments carry the **OEKO-TEX® STANDARD 100 label**, and We achieved **Level 3 OEKO-TEX® STEP** certification, the highest level possible. We are continuously improving our packaging portfolio and are working towards eliminating single use plastic by 2025.

2. LABOR AND HUMAN RIGHTS

We aim to improve living standards and support the development of all Portwest employees. By 2023, we aim to have ISO 450001, the Occupational Health and Safety standard, across all our global sites. Portwest's fully owned factories are audited using the Sedex Members Ethical Trade Audit (SMETA). In Bangladesh, our factory is certified to the Gold WRAP standard.

3. SUSTAINABLE PROCUREMENT

We have built extensive supplier policies and embedded processes to ensure that production is both ethical and responsible. As a member of SEDEX, we are working hard to increase visibility of our global supply chain and are working closely with suppliers to ensure transparency and compliance with our supplier policies.

4. ETHICS

Portwest is committed to conducting and growing our business in a sustainable and ethical manner. We have stringent policies in place to ensure the health, wellbeing, and safety of all our employees worldwide, and ask for 100% engagement in corporate ethics and anti-corruption and bribery training. IT security is one of our top priorities, we are determined to protect business information for our suppliers, customers and staff. We follow the CIS20 set of best practice frameworks to achieve this.

















70,000FT2 KENTUCKY WAREHOUSE CAPACITY

8 GLOBAL WAREHOUSES | 4 FULLY OWNED MANUFACTURING FACILITIES 5,000 PEOPLE AT YOUR SERVICE





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