



# PORTWEST<sup>®</sup>

PEAK PROTECTION

# WIND ENERGY

PROTECTIVE WEAR



**At Portwest we are passionate about safety. We aim to offer a solution for all safety needs, and are driven to design and create high performance, quality workwear, protective clothing and PPE. This range of products has been carefully selected for the workwear and safety needs of workers in the wind energy industry.**

## WIND ENERGY INDUSTRY END TO END SAFETY SOLUTION

Over the past 100 years, our design experts have developed a deep understanding of the safety needs of workers across many industries including those of the wind energy industry. 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. Our expert design team are constantly researching and innovating to offer our customers the best solution for their safety needs.





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# WIND ENERGY INDUSTRY HAZARDS



## HEAT AND FLAME

Fire or explosion of wind turbines is a serious risk to the health and safety of workers on wind farms due to the use of combustible materials. Heat and flame are a common encounter in this industry, whether it is radiant, convective, or conductive heat, serious injuries and even fatalities are caused by heat and flame hazards. Inherent flame-resistant fabrics offer a source of protection to the worker faced with these dangerous hazards.



## ELECTRIC ARC

An electric arc is a rapid or instantaneous electric discharge of high current between conductors generating very bright light and intensive heat. Electrical arc and electrical shocks are a concern for those working inside wind turbines. Electrical arcs and electrical shocks can lead to electrical burns and electrocution. If a worker is in close proximity to an arc flash serious injury or death can occur.



## EXTREME COLD WEATHER

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



## LOW VISIBILITY

Mechanical hazards such as moving parts of machinery pose a serious hazard to individuals working on wind energy sites, causing threat of serious injury or death. It is vital to the safety of personnel to be visible under various light conditions throughout the course of the day and throughout seasonal daylight changes.



## IMPACT

Head, hand or foot, impact is a serious workplace hazard. Workers on wind farms often work at height and are exposed to severe weather conditions such as high winds which pose additional risk of falling or flying objects, causing threat of injury to workers. Appropriate protection is required to ensure personnel safety.



## EYE INJURY

Everyday workers in the wind industry across the globe lose valuable working hours or suffer potential life changing injuries due to eye accidents. Safety goggles provide powerful optical protection against workplace hazards.







# INNOVATION IS IN OUR DNA

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

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

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



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



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



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

# TESTING

## GLOBAL CERTIFICATION

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

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

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

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





# YOUR CUSTOM PRODUCT DESIGNED FOR YOU - FROM CONCEPT TO PRODUCTION

YOUR  
LABELLING  
AND SIZE  
RANGE



YOUR  
BRANDING



## CUSTOM DESIGN



YOUR FABRIC  
SELECTION

YOUR PACKAGING



DESIGNED / SAMPLED / CERTIFIED  
**PRODUCED AND DELIVERED**

# MADE FOR WOMEN



## FIT FOR PURPOSE

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







# A COMPLETE KIT SOLUTION

Ensure workers are best protected by supplying a protective wear kit to help safeguard against common hazards faced in the wind energy industry. Portwest offer a complete solution for all your safety needs.





# FLAME RESISTANT PROTECTION

This industry leading flame resistant range provides multi standard protection for hazardous environments. These state of the art products are the result of years of experience combined with advanced technology and market research. Commitment to the health, safety and comfort of the wearer can be seen in the wide range of products suitable for use by workers in the wind energy industry.

# FLAME RESISTANT INDUSTRY EXPERTS

Portwest offers an advanced range of flame resistant workwear and PPE products and each year sell millions of units in over 130 countries worldwide.

Certified against the latest European, USA and Australian standards, the ranges proven performance can protect against multiple hazards and risks.

In the face of dangerous conditions, Portwest provides the best preventative measures with trusted products and advanced technology.

## LEADING RANGE OF MULTI STANDARD PRODUCTS

- ✔ **120+** styles
- ✔ **Wide range** of European, USA and Australian certified standards
- ✔ **Excellent quality**
- ✔ Wide variety of **colours**
- ✔ **Trusted** and advanced technology
- ✔ **High stock** availability



# MODA FLAME™



PS54

## PREMIUM INHERENT FLAME PROTECTION

ANTI-STATIC  
**MODA FLAME™**  
FLAME RESISTANT  
WOVEN

EN ISO 11612 EN ISO 11611 EN 1149 EN 13034 IEC 61482-2 ASTM F1959/ F1959M-12

### Inherently Flame Resistant Modaflake 280g

Modaflake is an inherently flame resistant fabric. This high specification fabric is constructed from an inherently flame resistant yarn, composed of a special blend of 60% modacrylic fibre, 39% cotton and 1% carbon fibre.

ANTI-STATIC  
**MODA FLAME™**  
FLAME RESISTANT  
KNIT

EN ISO 11612 EN 1149 IEC 61482-2 ASTM F1959/ F1959M-12

### Modaflake Knit 200g, 280g, 300g

Constructed from an inherently fire resistant yarn of 60% modacrylic, 39% cotton and 1% carbon fibre. Tested to exceed the required EN Standards, the Modaflake Knit range is strong, durable and highly innovative.

ANTI-STATIC  
**MODA FLAME™**  
FLAME RESISTANT  
HI-VIS

EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN ISO 20471 EN 13034 IEC 61482-2 ASTM F1959/ F1959M-12  
\*Woven Only

### High Visibility Modaflake 210g, 280g, 300g

Available in both woven and knit fabrics to EN ISO 20471 standard. Constructed from an inherently fire resistant yarn of 60% modacrylic, 39% cotton and 1% carbon fibre.

ANTI-STATIC  
**MODA FLAME™**  
FLAME RESISTANT  
HVO

EN ISO 11612 EN ISO 11611 EN 1149 EN 13034 IEC 61482-2 EN ISO 20471 RIS 3279

### Hi-Vis Orange Modaflake HVO Woven 300g

Constructed from 61% modacrylic, 18% viscose, 15% polyester, 5% aramid, 1% carbon fibre, Modaflake HVO woven uses advanced technology to provide protection in a multi-risk environment.

ANTI-STATIC  
**MODA FLAME™**  
FLAME RESISTANT  
HVO KNIT

EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471 RIS 3279

### Modaflake HVO Knit 220g, 300g

Modaflake HVO Knit provides inherent flame resistance, high visibility and anti static protection. The high performance fibres are blended without any chemical treatment giving Modaflake HVO Knit it's unparalleled soft, natural touch and appearance.

ANTI-STATIC  
**MODA FLAME™**  
FLAME RESISTANT  
RAIN

EN ISO 11612 EN ISO 11611 EN 1149 EN 13034 EN 343 IEC 61482-2 EN ISO 20471 RIS 3279

### Modaflake Rain 350g

Constructed from 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating, bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight 350g. The fabric offers great flame, chemical, electric arc and waterproof protection whilst ensuring high visibility day and night.

ANTI-STATIC  
**MODA FLAME™**  
FLAME RESISTANT  
SOFT SHELL

EN ISO 11612 EN ISO 11611 EN 1149 EN 13034 IEC 61482-2 EN ISO 20471 RIS 3279

### Modaflake Softshell 350g

Constructed from 100% Polyester that is laminated to a TPU flame resistant membrane and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece, total weight 350g. This multi norm 3 layer softshell fabric is the latest evolution offering excellent flame, chemical, electric arc and waterproof protection whilst ensuring high visibility day and night.

MV70

MV71



# BIZFLAME

## PREMIUM FLAME RESISTANCE



### Flame Resistant Bizflame Plus

350g, 280g, 210g, 160g

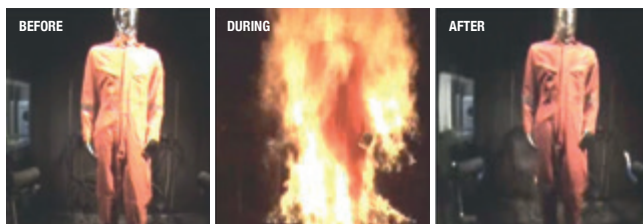
Bizflame™ has a proprietary flame resistant finish which, when applied to fabric, gives excellent flame resistance. All of the Bizflame fabrics use the highest quality raw materials, ensuring the perfect balance of comfort and strength.

- High ATPV on Bizflame Plus fabric.
- Outstanding results for burn injury prediction when tested to the optional test ISO 13506 under EN ISO 11612.
- Anti-Static carbon fibres provide built in anti-static properties exceeding EN1149-5 standard.
- Exceptional tensile strength ensures the fabric can withstand superior job-rated abrasion and tear resistance.
- High level of breathability and moisture wicking properties provides lasting comfort for the wearer.

### BURN INJURY PREDICTION TESTING:

Testing Bizflame fabric (style FR50) to ISO 13506 at BTTG Fire Technology Services (four seconds).

Testing is carried out after exposure to flame engulfment for a period of four seconds on a fully clothed manikin with data collected for 60 seconds after the burn.



PS54

FR08

A780

FR06

### OTHER BIZFLAME FABRICS:

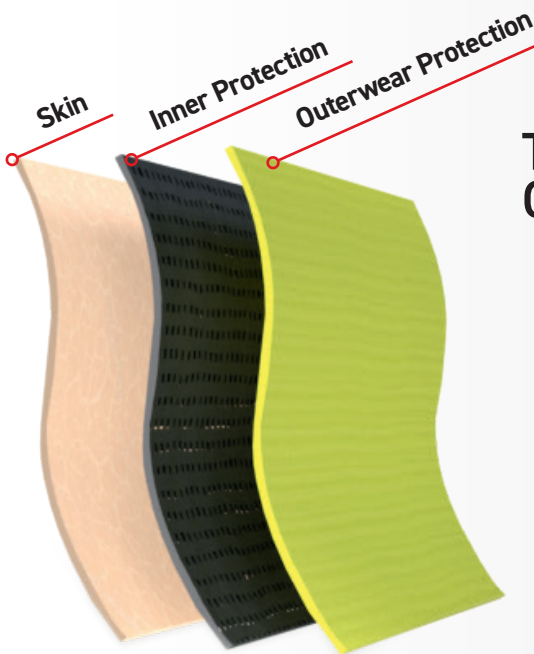


OUTSTANDING

# LAYERED FULL BODY PROTECTION

Portwest offers a complete range of flame resistant safety garments, which when layered together offer exceptional heat, flame and Arc protection.

Leading Range of **Multi Standard** Products



The Power  
Of Layering

## Benefits of Layering

- Layering provides **increased performance and comfort**.
- Layering garments can also increase the **total arc protective ratings** to levels greater than the sum of individual arc ratings.
- Layering also allows for quick adjustments based on the **level of protection** needed for different tasks.



FR11

FR14

FR60

<p><b>Mid Layer Protection</b> FR11</p>  <p>ELIM: 4.4 cal/cm<sup>2</sup> ATPV: 5.5 cal/cm<sup>2</sup></p>	+	<p><b>Outer Layer Protection</b> AF73</p>  <p>ELIM: 3.8 cal/cm<sup>2</sup> ATPV: 4.5 cal/cm<sup>2</sup></p>	=	<p><b>Combined Performance</b></p> <table border="1"> <tr> <td>ELIM <b>19</b> Cal/Cm<sup>2</sup></td> <td>ATPV <b>22.6</b> Cal/Cm<sup>2</sup></td> </tr> </table>	ELIM <b>19</b> Cal/Cm <sup>2</sup>	ATPV <b>22.6</b> Cal/Cm <sup>2</sup>
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<p><b>Mid Layer Protection</b> FR77</p>  <p>ELIM: 4.4 cal/cm<sup>2</sup> ATPV: 5.5 cal/cm<sup>2</sup></p>	+	<p><b>Outer Layer Protection</b> MV25</p>  <p>ELIM: 6.4 cal/cm<sup>2</sup> ATPV: 6.8 cal/cm<sup>2</sup></p>	=	<p><b>Combined Performance</b></p> <table border="1"> <tr> <td>ELIM <b>19</b> Cal/Cm<sup>2</sup></td> <td>ATPV <b>21</b> Cal/Cm<sup>2</sup></td> </tr> </table>	ELIM <b>19</b> Cal/Cm <sup>2</sup>	ATPV <b>21</b> Cal/Cm <sup>2</sup>
ELIM <b>19</b> Cal/Cm <sup>2</sup>	ATPV <b>21</b> Cal/Cm <sup>2</sup>					

<p><b>Mid Layer Protection</b> FR10</p>  <p>ELIM: 4.4 cal/cm<sup>2</sup> ATPV: 5.5 cal/cm<sup>2</sup></p>	+	<p><b>Outer Layer Protection</b> BIZ5</p>  <p>ELIM: 8.3 cal/cm<sup>2</sup> ATPV: 10.9 cal/cm<sup>2</sup></p>	=	<p><b>Combined Performance</b></p> <table border="1"> <tr> <td>ELIM <b>30</b> Cal/Cm<sup>2</sup></td> <td>ATPV <b>36</b> Cal/Cm<sup>2</sup></td> <td>EBT <b>40</b> Cal/Cm<sup>2</sup></td> </tr> </table>	ELIM <b>30</b> Cal/Cm <sup>2</sup>	ATPV <b>36</b> Cal/Cm <sup>2</sup>	EBT <b>40</b> Cal/Cm <sup>2</sup>
ELIM <b>30</b> Cal/Cm <sup>2</sup>	ATPV <b>36</b> Cal/Cm <sup>2</sup>	EBT <b>40</b> Cal/Cm <sup>2</sup>					

<p><b>Mid Layer Protection</b> FR12</p>  <p>ELIM: 9.2 cal/cm<sup>2</sup> ATPV: 15 cal/cm<sup>2</sup></p>	+	<p><b>Outer Layer Protection</b> FR50</p>  <p>ELIM: 8.6 cal/cm<sup>2</sup> ATPV: 9.8 cal/cm<sup>2</sup></p>	=	<p><b>Combined Performance</b></p> <table border="1"> <tr> <td>ELIM <b>45</b> Cal/Cm<sup>2</sup></td> <td>ATPV <b>47</b> Cal/Cm<sup>2</sup></td> </tr> </table>	ELIM <b>45</b> Cal/Cm <sup>2</sup>	ATPV <b>47</b> Cal/Cm <sup>2</sup>
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<p><b>Mid Layer Protection</b> FR89</p>  <p>ELIM: 9.1 cal/cm<sup>2</sup> ATPV: 11 cal/cm<sup>2</sup></p>	+	<p><b>Outer Layer Protection</b> MV72</p>  <p>ELIM: 11 cal/cm<sup>2</sup> ATPV: 16 cal/cm<sup>2</sup></p>	=	<p><b>Combined Performance</b></p> <table border="1"> <tr> <td>ELIM <b>32</b> Cal/Cm<sup>2</sup></td> <td>ATPV <b>38</b> Cal/Cm<sup>2</sup></td> </tr> </table>	ELIM <b>32</b> Cal/Cm <sup>2</sup>	ATPV <b>38</b> Cal/Cm <sup>2</sup>
ELIM <b>32</b> Cal/Cm <sup>2</sup>	ATPV <b>38</b> Cal/Cm <sup>2</sup>					

<p><b>Mid Layer Protection</b> FR11</p>  <p>ELIM: 4.4 cal/cm<sup>2</sup> ATPV: 5.5 cal/cm<sup>2</sup></p>	+	<p><b>Outer Layer Protection</b> FR21</p>  <p>ELIM: 9 cal/cm<sup>2</sup> ATPV: 9.7 cal/cm<sup>2</sup></p>	=	<p><b>Combined Performance</b></p> <table border="1"> <tr> <td>ELIM <b>25</b> Cal/Cm<sup>2</sup></td> <td>ATPV <b>27</b> Cal/Cm<sup>2</sup></td> <td>EBT <b>30</b> Cal/Cm<sup>2</sup></td> </tr> </table>	ELIM <b>25</b> Cal/Cm <sup>2</sup>	ATPV <b>27</b> Cal/Cm <sup>2</sup>	EBT <b>30</b> Cal/Cm <sup>2</sup>
ELIM <b>25</b> Cal/Cm <sup>2</sup>	ATPV <b>27</b> Cal/Cm <sup>2</sup>	EBT <b>30</b> Cal/Cm <sup>2</sup>					



<p><b>Inner Layer Protection</b> FR96</p>  <p>ELIM: 8.2 cal/cm<sup>2</sup> ATPV: 8.7 cal/cm<sup>2</sup></p>	+	<p><b>Mid Layer Protection</b> MV72</p>  <p>ELIM: 11 cal/cm<sup>2</sup> ATPV: 16 cal/cm<sup>2</sup></p>	+	<p><b>Outer Layer Protection</b> MV70</p>  <p>ELIM: 32 cal/cm<sup>2</sup> ATPV: 39 cal/cm<sup>2</sup></p>	=	<p><b>Combined Performance</b></p> <table border="1"> <tr> <td>ELIM <b>70</b> Cal/Cm<sup>2</sup></td> <td>ATPV <b>87</b> Cal/Cm<sup>2</sup></td> </tr> </table>	ELIM <b>70</b> Cal/Cm <sup>2</sup>	ATPV <b>87</b> Cal/Cm <sup>2</sup>
ELIM <b>70</b> Cal/Cm <sup>2</sup>	ATPV <b>87</b> Cal/Cm <sup>2</sup>							



# UPDATES TO ARC STANDARDS

Arc Flash incidents can occur where electrical equipment is being worked on and operated. Portwest flame resistant products certified to arc standards offer protection against thermal energy created by an electric arc.

## IEC 61482-2:2018 / EN 61482-2:2020 PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC

	PREVIOUS STANDARD	UPDATED STANDARD
SYMBOL HAS BEEN UPDATED	 IEC 61482-2:2009 CLASS 1 IEC 61482-1-1 2009 METHOD A ATPV 8.4 CAL/CM <sup>2</sup>	 IEC 61482-2:2018 ELIM 6.4 CAL/CM <sup>2</sup> APC1
	PREVIOUS RESULTS EXPRESSED AS:	UPDATED RESULTS EXPRESSED AS:
IEC 61482-1-1 (OPEN ARC METHOD)	ATPV OR EBT VALUE ONLY	ELIM & EITHER ATPV OR EBT VALUE
IEC 61482-1-2 (BOX METHOD)	CLASS 1 OR CLASS 2	APC1 OR APC2

## ARC STANDARD IEC 61482-2:2018 / EN 61482-2:2020

This is the standard for Protective Clothing Against the Thermal Hazards of an Electric Arc. It specifies requirements and test methods applicable to materials and garments for protective clothing worn by electrical workers to protect them against the thermal hazards of electric arc.

**Fabric and garments can be tested against either, or both test methods below**

## OPEN ARC METHOD IEC 61482-1-1

The Open Arc test method is similar to ASTM F1959 from the US standard NFPA 70E, and is used to determine the thermal insulating properties of a fabric when exposed to the energy of an electric arc. There are 3 possible values determined during this test method:

- **ELIM (Incident Energy Limit):** This value 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. ELIM values are usually lower calorific values than ATPV and EBT.
- **ATPV (Arc Thermal Performance Value):** The ATPV is measured against a 50% risk of 2nd degree burn, given if high heat passage occurs before a hole appears.
- **EBT (Energy Breakopen Threshold):** If a hole appears before high heat passage, the EBT value is given. It is measured against a 50% risk of 2nd degree burn, like the ATPV.

All results are given in calories per square cm (cm<sup>2</sup>). The higher the calorific value, the greater the protection.

**ELIM**  
**32**  
**Cal/Cm<sup>2</sup>**

**THE GREATER THE  
CALORIFIC VALUE  
THE GREATER THE  
PROTECTION**

## BOX TEST METHOD IEC 61482-1-2

During the test the specimen is exposed to an electric arc, simulating typical exposure conditions for a short circuit current, confined in a box for 0.5 seconds.

- For APC 1, the specimen is exposed to a current of 4 kA (400 V, 168 kJ)
- For APC 2, the specimen is exposed to a current of 7 kA (400V, 320 kJ)

SUMMARY	
<b>ELIM</b>	<b>INCIDENT ENERGY LIMIT</b>
	<b>RESULT OF IEC 61482-1-1</b>
	<b>0% RISK OF 2ND DEGREE BURN</b>
<b>ATPV</b>	<b>ARC THERMAL PERFORMANCE VALUE</b>
	<b>RESULT OF IEC 61482-1-1</b>
	<b>50% RISK OF 2ND DEGREE BURN, HIGH HEAT PASSAGE</b>
<b>EBT</b>	<b>ENERGY BREAKOPEN THRESHOLD</b>
	<b>RESULT OF IEC 61482-1-1</b>
	<b>50% RISK OF 2ND DEGREE BURN, HOLE FORMATION</b>
<b>APC 1</b> <b>APC 2</b>	<b>ARC PROTECTION CLASS</b>
	<b>RESULT OF IEC 61482-1-1</b>
	<b>APC 1 TESTED AT 4 kA</b>
	<b>APC 2 TESTED AT 7 kA</b>

## USA ARC STANDARDS

ASTM F1959 is the test method for fabric or multi-layer combination of fabrics comparable to IEC 61482-1-1. Results can be ATPV

ARC RATED PPE	REQUIRED MINIMUM ARC RATING OF PPE IN CAL/CM <sup>2</sup>
<b>ARC 1</b>	<b>4 CAL/CM<sup>2</sup></b>
<b>ARC 2</b>	<b>8 CAL/CM<sup>2</sup></b>
<b>ARC 3</b>	<b>25 CAL/CM<sup>2</sup></b>

# ARC RATING FOR SINGLE GARMENTS

INHERENTLY FLAME RESISTANT

BRAND	STYLE	DESCRIPTION	WEIGHT	PAGE	IEC 61482-2				NFPA70E	
					IEC 61482-1-1			IEC 61482-1-2	ASTM F1959	PPE CAT
					ELIM (cal/cm <sup>2</sup> )	ATPV (cal/cm <sup>2</sup> )	EBT (cal/cm <sup>2</sup> )	APC (Class 1 or 2)	ATPV (cal/cm <sup>2</sup> )	
Modaflame HVO Woven	MV35	Modaflame RIS Orange/Navy Jacket	300g	30	7	8		1	8.1	2
Modaflame HVO Woven	MV36	Modaflame RIS Orange/Navy Trousers	300g	31	7	8		1	8.1	2
Modaflame HVO Woven	MV91	Modaflame RIS Orange Coverall	300g	29	7	8		1	8.1	2
Modaflame HVO Woven	MV29	Modaflame RIS Navy/Orange Coverall	300g	29	7	8		1	8.1	2
Modaflame	FR602	WX3 FR Work Jacket	280g	23	6.4	6.8		1	8.4	2
Modaflame	FR402	WX3 FR Service Trousers	280g	23	6.4	6.8		1	8.4	2
Modaflame	FR503	WX3 FR Coverall	280g	24	6.4	6.8		1	8.4	2
Modaflame	MV25	Hi-Vis Modaflame Jacket	280g	32	6.4	6.8		1	8.4	2
Modaflame	MV26	Hi-Vis Modaflame Trousers	280g	33	6.4	6.8		1	8.4	2
Modaflame	MV46	Hi-Vis Modaflame Trousers	280g	33	6.4	6.8		1	8.4	2
Modaflame	MV28	Hi-Vis Modaflame Coverall	280g	32	6.4	6.8		1	8.4	2
Modaflame	MX28	Modaflame Coverall	280g	29	6.4	6.8		1	8.4	2
Modaflame HVO Knit	FR76	Flame Resistant RIS Polo Shirt	220g	35				1	6	1
Modaflame Knit	FR74	Flame Resistant Anti-Static Two Tone Polo Shirt	210g	34	4.4	5.5		1	4.3	1
Modaflame Knit	FR72	Flame Resistant Anti-Static Hi-Vis Sweatshirt	300g	36	9.2	15		1	16	2
Modaflame Knit	FR31	Flame Resistant Anti-Static Hi-Vis Fleece	280g	36	5.9		6.4	1		
Modaflame Knit	FR96	FR Hi-Vis Long Sleeve T-Shirt	280g	35	8.2	8.7		1	9	2
Modaflame Knit	FR77	Flame Resistant Anti-Static Hi-Vis Long Sleeve Polo Shirt	210g	34	4.4	5.5		1	4.3	1
Modaflame Knit	FR701	WX3 Flame Resistant Hi-Vis T-Shirt	210g	25	4.4	5.5			4.3	1
Modaflame Knit	FR702	WX3 Flame Resistant Hi-Vis Polo Shirt	210g	25	4.4	5.5			4.3	1
Modaflame Knit	FR11	Flame Resistant Anti-Static Long Sleeve T-Shirt	200g	38	4.4	5.5		1	4.3	1
Modaflame Knit	FR14	Flame Resistant Anti-Static Leggings	200g	38	4.4	5.5		1	4.3	1
Modaflame Knit	FR12	Flame Resistant Anti-Static Long Sleeve Sweatshirt	300g	37	9.2	15		1	16	2
Modaflame Knit	FR10	Flame Resistant Anti-Static Long Sleeve Polo Shirt	200g	37	4.4	5.5		1	4.3	1
Modaflame Knit	FR03	Flame Resistant Anti-Static Long Sleeve Polo Shirt with Reflective Tape	200g	37	4.4	5.5		1	4.3	1
Modaflame Knit	FR81	FR Zip Front Hooded Sweatshirt	300g	37	9.2	15		1	16	2
Modaflame Knit	FR30	Flame Resistant Anti Static Fleece	280g	38	5.9		6.4	1		
Modaflame Knit	FR18	Flame Resistant Anti-Static Balaclava	200g	39					4.3	1
Modaflame Knit	FR19	Flame Resistant Anti-Static Neck Tube	200g	39					4.3	1
Modaflame Knit	FR09	FR Anti-Static Balaclava	300g	39					16	2
Modaflame Knit	FR20	FR Anti-Static Balaclava Hood	300g	39					16	2
Modaflame Rain	MV70	Modaflame Rain Multi Norm Arc Jacket	350g	27	32	39		2		
Modaflame Rain	MV71	Modaflame Rain Multi Norm Arc Trousers	350g	27	32	39		2		
Modaflame Softshell	MV72	Modaflame Multi Norm Arc Softshell Jacket	350g	28	11	16		2		
Modaflame Softshell	FR704	WX3 FR Softshell	350g	24	11	16		2		



# ARC RATING FOR SINGLE GARMENTS

BRAND	STYLE	DESCRIPTION	WEIGHT	PAGE	IEC 61482-2				NFPA70E	
					IEC 61482-1-1			IEC 61482-1-2	ASTM F1959	PPE CAT
					ELIM (cal/cm <sup>2</sup> )	ATPV (cal/cm <sup>2</sup> )	EBT (cal/cm <sup>2</sup> )	APC (Class 1 or 2)	ATPV (cal/cm <sup>2</sup> )	
Bizflame Multi	FR61	Hi-Vis Multi-Norm Jacket	345g	42	13	14		1	13.6	2
Bizflame Multi	FR62	Hi-Vis Multi-Norm Trousers	345g	42	13	14		1	13.6	2
Bizflame Multi	FR60	Hi-Vis Multi-Norm Coverall	345g	43	13	14		1	13.6	2
Bizflame Multi	FR63	Hi-Vis Multi-Norm Bib and Brace	345g	43	13	14		1	13.6	2
Bizflame Multi	FR80	Multi-Norm Coverall	345g	43	13	14		1	13.6	2
Bizflame Multi Rain	FR78	Bizflame Multi Arc Hi-Vis Trouser	380g	41	43	55		1		
Bizflame Multi Rain	FR79	Bizflame Multi Arc Hi-Vis Jacket	380g	41	43	55		1		
Bizflame Plus	FR501	Bizflame Plus Stretch Panelled Coverall	350g	49	8.6	9.8		1	13.6	2
Bizflame Plus	FR502	Bizflame Plus Lightweight Stretch Panelled Coverall	210g	49	9	9.7			9.1	2
Bizflame Plus	FR601	Bizflame Plus Lightweight Stretch Panelled Jacket	210g	48	9	9.7			9.1	2
Bizflame Plus	FR401	Bizflame Plus Lightweight Stretch Panelled Trouser	210g	48	9	9.7			9.1	2
Bizflame Plus	FR34	FR Standard Coat	210g	50					9.1	2
Bizflame Plus	FR50	Flame Resistant Anti-Static Coverall 350g	350g	51	8.6	9.8		1	13.6	2
Bizflame Plus	FR51	Bizflame Plus Women's Coverall 350g	350g	51	8.6	9.8		1	13.6	2
Bizflame Plus	FR56	Bizflame Plus Trouser	350g	47	8.6	9.8		1	13.6	2
Bizflame Plus	FR57	Bizflame Plus Bib and Brace	350g	50	8.6	9.8		1	13.6	2
Bizflame Plus	FR25	Bizflame Plus Jacket	350g	47	8.6	9.8		1	13.6	2
Bizflame Plus	FR26	Bizflame Plus Trouser	350g	47	8.6	9.8		1	13.6	2
Bizflame Plus	FR27	Bizflame Plus Bib and Brace	350g	50	8.6	9.8		1	13.6	2
Bizflame Ultra	FR68	Bizflame Ultra Jacket	340g	44	11	13		1	16	2
Bizflame Ultra	FR66	Bizflame Ultra Trouser	340g	44	11	13		1	16	2
Bizflame Ultra	FR67	Bizflame Ultra Bib & Brace	340g	46	11	13		1	16	2
Bizflame Ultra	FR93	Bizflame Ultra Coverall	340g	46	11	13		1	16	2
Bizflame Ultra	FR08	Bizflame Ultra Two Tone Jacket	340g	45	11	13		1	16	2
Bizflame Ultra	FR06	Bizflame Ultra Two Tone Trouser	340g	45	11	13		1	16	2
Bizflame Ultra	FR07	Bizflame Ultra Two Tone Bib & Brace	340g	45	11	13		1	16	2

TREATED FLAME RESISTANT





WX3™ NEW INHERENT  
FLAME RESISTANT  
PRODUCTS OFFER  
EXCEPTIONAL  
WEAR RESISTANCE,  
FUNCTIONALITY,  
COMFORT AND STYLE.

Made from Portwest's premium inherent flame resistant Modaflake fabrics which guarantee maximum protection when working in challenging environments. High performance stretch fabrics are used in key movement areas giving greater ease of movement when working in cramped conditions, climbing or working at heights.

ANTI-STATIC  
**MODAFLAKE™**  
FLAME RESISTANT





**FR602**

**WX3 FR WORK JACKET**

EN ISO 11612 A1+A2, B2,C1,F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE PB [6]  
 ASTM F1959/F1959M-12 ATPV=8.4CAL/CM<sup>2</sup>(HAF=75.8%)  
 Modafame: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 280g  
 60% Modacrylic, 36% Cotton, 3% Elastane,  
 1% Carbon Fibre 280g  
 Black S-3XL



ELIM  
**6.4**  
 Cal/Cm<sup>2</sup>

**WX3**

**NEW**



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 ASTM F1959/F1959M-12



**FR402**

**WX3 FR SERVICE TROUSER**

EN ISO 11612 A1+A2, B2,C1,F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE PB [6]  
 ASTM F1959/F1959M-12 ATPV=8.4CAL/CM<sup>2</sup>(HAF=75.8%)  
 Modafame: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 280g  
 60% Modacrylic, 36% Cotton, 3% Elastane,  
 1% Carbon Fibre 280g  
 Black 30-46  
 Reg: 31" (79cm) adjustable to 33" (84cm)



ELIM  
**6.4**  
 Cal/Cm<sup>2</sup>

**WX3**

**NEW**



**INNOVATIVE STRETCH  
 PANELING IN KEY  
 MOVEMENT AREAS**



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 ASTM F1959/F1959M-12



ELIM  
**11**  
Cal/Cm<sup>2</sup>

**NEW**



ELIM  
**6.4**  
Cal/Cm<sup>2</sup>

**NEW**



**FR704**

**WX3 FR SOFTSHELL**

EN ISO 11612 A1 B1 C2  
EN ISO 11611 CLASS 2 A1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-2 APC 2  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
EN 13034 TYPE PB [6]

Modaflame Softshell: 100% Polyester 95g laminated to a TPU flame resistant membrane 35g and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece 220g, total weight, 350g

Black S-3XL

**COMBINING  
INNOVATION AND  
TOTAL SAFETY**



**FR503**

**WX3 FR COVERALL**

EN ISO 11612 A1+A2, B2,C1,F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE 6

ASTM F1959/F1959M-12 ATPV=8.4CAL/CM<sup>2</sup>(HAF=75.8%)

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

Black S-3XL

Reg: 31" or 79cm adjustable to Tall 33" or 84cm



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



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 ASTM F1959/F1959M-12

48

**FR702**

**WX3 FLAME RESISTANT HI-VIS POLO SHIRT**

CE

UK  
CA

HS

40  
UPF

EN ISO 11612 A1, B1, C1, F1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 4.4CAL/CM<sup>2</sup>

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

EN ISO 20471 CLASS 3

ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup>

(HAF = 66%)

Modaflame Knit: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 210g

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



ELIM  
**4.4**  
 Cal/Cm<sup>2</sup>

**WX3**



EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471 ASTM F1959/F1959M-12

48

**FR701**

**WX3 FLAME RESISTANT HI-VIS T-SHIRT**

CE

UK  
CA

HS

40  
UPF

EN ISO 11612 A1, B1, C1, F1

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 4.4CAL/CM<sup>2</sup>

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

EN ISO 20471 CLASS 3

ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup>

(HAF = 66%)

Modaflame Knit: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 210g

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



ELIM  
**4.4**  
 Cal/Cm<sup>2</sup>

**WX3**



EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471 ASTM F1959/F1959M-12



ANTI-STATIC  
**MODAFLAME™**  
FLAME RESISTANT

**RAIN**

MODAFLAME™  
RAIN PROVIDES THE  
HIGHEST LEVEL OF  
MULTI PROTECTION  
AGAINST FLAME,  
ELECTRIC ARC, WIND  
AND RAIN.

This range is certified to multiple global safety standards. The unique blend of fabric provides superb protection with excellent flame and chemical resistant properties along with the highest level arc ratings. Additionally, the fluorescent colour combined with reflective tape gives the wearer complete protection in situations of poor visibility.

Constructed from 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating and bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight 350g.

ANTI-STATIC  
**MODAFLAME™**  
FLAME RESISTANT





**MV70**

**MODAFLAME RAIN MULTI NORM ARC JACKET**



EN ISO 11612 A1, A2, B1, C1, E3, F1  
 EN ISO 11611 CLASS 2 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-2 APC 2  
 IEC 61482-2 IEC 61482-1-1 ELIM 32 CAL/CM²  
 EN 13034 TYPE 6  
 EN ISO 20471 CLASS 3  
 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
 EN 343 CLASS 3:1 X

Modaflame Rain: 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating and bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight, 350g  
 100% Cotton Flame Resistant Lining, 170g  
 Orange/Navy S-4XL, Yellow/Navy S-4XL

ELIM  
**32**  
 Cal/Cm²

LINED



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 EN 343 RIS 3279



**MV71**

**MODAFLAME RAIN MULTI NORM ARC TROUSER**



EN ISO 11612 A1, A2, B1, C1, E3, F1  
 EN ISO 11611 CLASS 2 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-2 APC 2  
 IEC 61482-2 IEC 61482-1-1 ELIM 32 CAL/CM²  
 EN 13034 TYPE 6  
 EN ISO 20471 CLASS 2  
 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
 EN 343 CLASS 3:1 X

Modaflame Rain: 98% Polyester, 2% Carbon Fibre with a PU breathable flame resistant coating and bonded with a 60% Modacrylic, 40% Cotton flame resistant knitted backing, total weight, 350g

100% Cotton Flame Resistant Lining, 170g  
 Orange/Navy S-3XL, Yellow/Navy S-3XL

Reg: 31" or 79cm adjustable to Tall 33" or 84cm

ELIM  
**32**  
 Cal/Cm²

LINED



**ZIP-OFF BACK TURNS  
 THIS BIB INTO A  
 TROUSER FOR ADDED  
 VERSATILITY**



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 EN 343 RIS 3279

**INTERACTIVE  
STYLE IDEAL FOR  
LAYERING**

ELIM  
**11**  
Cal/Cm<sup>2</sup>



ELIM  
**11**  
Cal/Cm<sup>2</sup>



**MV72**

**MODAFLAME MULTI NORM ARC SOFTSHELL JACKET**

EN ISO 11612 A1 B1 C2  
EN ISO 11611 CLASS 2 A1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-2 APC 2  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
EN 13034 TYPE PB [6]  
EN ISO 20471 CLASS 3  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

Modaflame Softshell: 100% Polyester 95g laminated to a TPU flame resistant membrane 35g and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece 220g, total weight, 350g

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



**MV73**

**MODAFLAME SOFTSHELL JACKET**

EN ISO 11612 A1 B1 C2  
EN ISO 11611 CLASS 2 A1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-2 APC 2  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
EN 13034 TYPE PB [6]

Modaflame Softshell: 100% Polyester 95g laminated to a TPU flame resistant membrane 35g and bonded with a 60% Modacrylic, 39% Cotton and 1% Carbon Fibre inherent flame resistant fleece 220g, total weight, 350g  
Navy S-3XL



ELIM  
**6.4**  
Cal/Cm<sup>2</sup>



**15** **MX28**  
**MODAFLAME COVERALL**

- CE** EN ISO 11612 A1+A2, B2, C1, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5
- UK CA** IEC 61482-2 IEC 61482-1-1  
ELIM 6.4 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE 6
- FR.IW** ASTM F1959/F1959M-12  
ATPV=8.4 CAL/CM<sup>2</sup> (HAF=75.8%)
- 40 UPF**
- 8** Modaflame: 60% Modacrylic,  
39% Cotton, 1% Carbon Fibre,  
280g
- 8** Navy S-3XL, Orange S-4XL
- 8**
- 8**
- 8**

- CE CAT III**
- EN ISO 11612 EN ISO 11611 EN 1149
- IEC 61482-2 EN 13034 ASTM F1959/F1959M-12

ELIM  
**7**  
Cal/Cm<sup>2</sup>



**12** **MV91**  
**MODAFLAME RIS ORANGE COVERALL**

- CE** EN ISO 11612 A1+A2, B1, C1, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5
- UK CA** IEC 61482-2 IEC 61482-1-1  
ELIM 7 CAL/CM<sup>2</sup>
- FR.IW** IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE 6
- 40 UPF**
- 8** EN ISO 20471 CLASS 3  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
ASTM F1959/F1959M-14E1  
ATPV 8.1 CAL/CM<sup>2</sup> (HAF 73%)
- 8** Modaflame HVO Woven:  
61% Modacrylic, 18% Viscose,  
15% Polyester, 5% Aramid,  
1% Carbon Fibre, 300g
- 8** Orange S-3XL
- 8**
- 8**

- CE CAT III**
- EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2
- EN 13034 EN ISO 20471 RIS 3279 ASTM F1959/F1959M-12

ELIM  
**7**  
Cal/Cm<sup>2</sup>



**15** **MV29**  
**MODAFLAME RIS NAVY/ ORANGE COVERALL**

- CE** EN ISO 11612 A1+A2, B1, C1, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5
- UK CA** IEC 61482-2 IEC 61482-1-1  
ELIM 7 CAL/CM<sup>2</sup>
- FR.IW** IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE 6
- 40 UPF**
- 8** EN ISO 20471 CLASS 3  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
ASTM F1959/F1959M-14E1  
ATPV 8.1 CAL/CM<sup>2</sup> (HAF 73%)
- 8** Modaflame HVO Woven:  
61% Modacrylic, 18% Viscose,  
15% Polyester, 5% Aramid,  
1% Carbon Fibre, 300g
- 8** Orange/Navy S-3XL
- 8**
- 8**

- CE CAT III**
- EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2
- EN 13034 EN ISO 20471 RIS 3279 ASTM F1959/F1959M-12



ELIM  
**7**  
 Cal/Cm<sup>2</sup>



**MV35**  
**MODAFLAME RIS ORANGE/NAVY JACKET**

- EN ISO 11612 A1+A2, B1, C1, F1
- EN ISO 11611 CLASS 1 A1+A2
- EN 1149 -5
- IEC 61482-2 IEC 61482-1-1 ELIM 7 CAL/CM<sup>2</sup>
- IEC 61482-2 IEC 61482-1-2 APC 1
- EN 13034 TYPE 6
- EN ISO 20471 CLASS 3
- RIS 3279 TOM ISSUE 2 (ORANGE ONLY)
- ASTM F1959/F1959M-14E1 ATPV 8.1 CAL/CM<sup>2</sup> (HAF 73%)
- Modaflame HVO Woven: 61% Modacrylic, 18% Viscose, 15% Polyester, 5% Aramid, 1% Carbon Fibre, 300g**
- Orange/Navy S-3XL**

- 
- 
- 
- 

**PROTECTS  
 AGAINST RADIANT,  
 CONECTIVE AND  
 CONTACT HEAT**

ANTI-STATIC  
**MODAFLAME™**  
FLAME RESISTANT

**HVO**  
**MULTI**



**MV36**

**MODAFLAME RIS ORANGE/NAVY  
TROUSER**



EN ISO 11612 A1+A2, B1, C1, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5



IEC 61482-2 IEC 61482-1-1 ELIM 7 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1



EN 13034 TYPE 6  
EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)



ASTM F1959/F1959M-14E1 ATPV 8.1 CAL/CM<sup>2</sup> (HAF 73%)

Modaflame HVO Woven: 61% Modacrylic,  
18% Viscose, 15% Polyester, 5% Aramid, 1% Carbon  
Fibre, 300g



Orange/Navy S-XXL



**FULL CHEMICAL  
RESISTANCE**

ELIM  
**7**  
Cal/Cm<sup>2</sup>



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 EN ISO 20471 ASTM F1959/F1959M-12

ELIM  
**6.4**  
Cal/Cm<sup>2</sup>



15  
CE

**MV28**

**HI-VIS MODAFLAME COVERALL**

UK  
CA

FR.IW

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

EN ISO 11611 CLASS 1 A1+A2

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup>

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

EN 13034 TYPE 6

EN ISO 20471 CLASS 3

ASTM F1959/F1959M-12 ATPV=8.4 CAL/CM<sup>2</sup>

(HAF=75.8%)

**Modaflame: 60% Modacrylic, 39% Cotton,**

**1% Carbon Fibre, 280g**

**Yellow/Navy S-5XL, Yellow/Navy Tall M-XXL**

40  
UPF

8

CE  
CAT III

ELIM  
**6.4**  
Cal/Cm<sup>2</sup>



24  
CE

**MV25**

**HI-VIS MODAFLAME JACKET**

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

EN ISO 11611 CLASS 1 A1+A2

EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup>

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

EN 13034 TYPE PB [6]

EN ISO 20471 CLASS 2

ASTM F1959/F1959M-12 ATPV=8.4 CAL/CM<sup>2</sup>

(HAF=75.8%)

**Modaflame: 60% Modacrylic, 39% Cotton,**

**1% Carbon Fibre, 280g**

**Yellow/Navy S-3XL**

UK  
CA

FR.IW

40  
UPF

4

CE  
CAT III

**OPTIMUM  
PROTECTION IN  
MULTI-HAZARD  
ENVIRONMENTS**



ANTI-STATIC  
**MODAFLAME™**  
 FLAME RESISTANT



ELIM  
**6.4**  
 Cal/Cm<sup>2</sup>



**MV26**

**HI-VIS MODAFLAME TROUSER**

EN ISO 11612 A1+A2, B2, C1, F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE PB [6]  
 EN ISO 20471 CLASS 1  
 ASTM F1959/F1959M-12 ATPV=8.4 CAL/CM<sup>2</sup>  
 (HAF=75.8%)  
 Modaflake: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 280g  
 Yellow/Navy S-3XL, Yellow/Navy Tall M-XXL  
 Reg: 31" or 79cm adjustable to Tall 33" or 84cm



ELIM  
**6.4**  
 Cal/Cm<sup>2</sup>



**MV46**

**HI-VIS MODAFLAME TROUSER**

EN ISO 11612 A1+A2, B2,C1,F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 6.4 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE PB [6]  
 EN ISO 20471 CLASS 2  
 ASTM F1959/F1959M-12 ATPV=8.4CAL/  
 CM<sup>2</sup>(HAF=75.8%)  
 Modaflake: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 280g  
 Yellow/Navy S-3XL





**FR77**

**FLAME RESISTANT ANTI-STATIC HI-VIS  
LONG SLEEVE POLO SHIRT**



**FR**



EN ISO 11612 A1, B1, C1, F1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM²  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN ISO 20471 CLASS 3  
ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM² (HAF = 66%)

Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 210g  
 X Yellow S-4XL

**HIGH COTTON  
CONTENT FOR  
SUPERIOR  
COMFORT**



ASTM  
F1959/  
F1959M-12

EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471

ELIM  
**4.4**  
Cal/Cm²



**FR74**

**FLAME RESISTANT ANTI-STATIC TWO  
TONE POLO SHIRT**



**FR**



EN ISO 11612 A1, B1, C1, F1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM²  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN ISO 20471 CLASS 2  
ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM² (HAF = 66%)

Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 210g  
 X Yellow/Navy S-4XL

**CERTIFIED  
TO MULTIPLE  
INTERNATIONAL  
STANDARDS**



ASTM  
F1959/  
F1959M-12

EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471

ELIM  
**4.4**  
Cal/Cm²



ANTI-STATIC  
**MODA FLAME™**  
 FLAME RESISTANT

**KNIT**



**FR96**

**FR HI-VIS LONG SLEEVE T-SHIRT**

EN ISO 11612 A1+A2, B1, C1  
 EN ISO 11611 CLASS 1 A1  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 8.2 CAL/CM²  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN ISO 20471 CLASS 3  
 ASTM F1959/F1959M-12 ATPV 9 CAL/CM² (HAF 80.8%)

Modaflame Knit: 60% Modacrylic, 40% Cotton, 280g

Yellow S-3XL

**ELIM**  
**8.2**  
 Cal/Cm²



**PROTECTION  
 AGAINST RADIANT,  
 CONVECTIVE AND  
 CONTACT HEAT**



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN ISO 20471 ASTM F1959/F1959M-12

ANTI-STATIC  
**MODA FLAME™**  
 FLAME RESISTANT

**HVO**

**KNIT**



**FR76**

**FLAME RESISTANT RIS POLO SHIRT**

EN ISO 11612 A1, B1, C1, F2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ATPV 6 CAL/CM² (HAF 71.7%)  
 IEC 61482-2 IEC 61482-1-2 CLASS 1  
 EN ISO 20471 CLASS 3  
 RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

Modaflame HVO Knit: 66% Modacrylic, 32% Polyester, 2% Carbon fibre, 220g

Orange S-3XL



EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471 RIS 3279





**FR72** FLAME RESISTANT  
 ANTI-STATIC HI-VIS SWEATSHIRT



FR EN ISO 11612 A1, B1, C1, F1  
 EN 1149 -5



IEC 61482-2 IEC 61482-1-1 ELIM 9.2 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN ISO 20471 CLASS 3  
 ASTM F1959/F1959M-12 ATPV=16 CAL/CM<sup>2</sup> (HAF=86%)

Modaflame Knit: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 300g

Yellow S-3XL

ELIM  
**9.2**  
 Cal/Cm<sup>2</sup>



ASTM  
 F1959/  
 F1959M-12

EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471



**FR31** FLAME RESISTANT  
 ANTI-STATIC HI-VIS FLEECE



FR EN ISO 11612 A1, B1, C2  
 EN 1149 -5



IEC 61482-2 IEC 61482-1-1 ELIM 5.9CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN ISO 20471 CLASS 3

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

Yellow S-3XL

ELIM  
**5.9**  
 Cal/Cm<sup>2</sup>



EN ISO 11612 EN 1149 IEC 61482-2 EN ISO 20471

ELIM  
**4.4**  
Cal/Cm<sup>2</sup>



**FR03** FLAME RESISTANT ANTI-STATIC LONG SLEEVE POLO SHIRT WITH REFLECTIVE TAPE

EN ISO 11612 A1, B1, C1, F1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup> (HAF = 66%)  
Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 200g  
Navy S-3XL



ELIM  
**4.4**  
Cal/Cm<sup>2</sup>



**FR10** FLAME RESISTANT ANTI-STATIC LONG SLEEVE POLO SHIRT

EN ISO 11612 A1, B1, C1, F1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup> (HAF = 66%)  
Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 200g  
Black S-3XL, Grey S-3XL, Navy XS-5XL



ELIM  
**9.2**  
Cal/Cm<sup>2</sup>



**FR12** FLAME RESISTANT ANTI-STATIC LONG SLEEVE SWEATSHIRT

EN ISO 11612 A1, B1, C1, F1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 9.2 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=16 CAL/CM<sup>2</sup> (HAF=86%)  
Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 300g  
Navy XS-4XL



ELIM  
**9.2**  
Cal/Cm<sup>2</sup>



**FR81** FR ZIP FRONT HOODED SWEATSHIRT

EN ISO 11612 A1, B1, C1, F1  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 9.2 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=16 CAL/CM<sup>2</sup> (HAF=86%)  
Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 300g  
Navy S-5XL



ELIM  
**5.9**  
Cal/Cm<sup>2</sup>

**INTERACTIVE  
FLEECE -  
CAN BE  
WORN  
UNDER  
MV70**



ELIM  
**4.4**  
Cal/Cm<sup>2</sup>



**FR30 FLAME RESISTANT ANTI STATIC FLEECE**



EN ISO 11612 A1, B1, C2  
EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 5.9 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1

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

Navy S-3XL

**FR11 FLAME RESISTANT ANTI-STATIC LONG SLEEVE T-SHIRT**



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

IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1

ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup> (HAF = 66%)  
Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 200g

Black S-3XL, Grey S-3XL, Navy XS-5XL



ELIM  
**4.4**  
Cal/Cm<sup>2</sup>

**LAYERING  
PROVIDES  
INCREASED  
PERFORMANCE  
AND COMFORT**



**FR14 FLAME RESISTANT ANTI-STATIC LEGGINGS**



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

IEC 61482-2 IEC 61482-1-1 ELIM 4.4 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1

ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup> (HAF = 66%)  
Modaflame Knit: 60% Modacrylic, 39% Cotton,  
1% Carbon Fibre, 200g

Navy S-4XL



**SK20 MODAFLAME SOCK**



48% Modacrylic, 32% Cotton, 20% Polyester  
Black 39-43,44-48







**FR18** FLAME RESISTANT ANTI-STATIC BALACLAVA

EN ISO 11612 A1, B1, C1, F1  
 EN 1149 -5  
 ASTM F1959/F1959M-12 EBT = 4.3 CAL/CM<sup>2</sup> (HAF = 66%)  
 Modaflame Knit: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre x 2 layer, 400g  
 Black One Size, Navy One Size



EN ISO 11612 EN 1149 ASTM F1959/F1959M-12



**FR09** FR ANTI-STATIC BALACLAVA

EN ISO 11612 A1, B1, C1, F1  
 EN 1149 -5  
 ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 86%)  
 Modaflame Knit: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 300g  
 Navy One Size



EN ISO 11612 EN 1149 ASTM F1959/F1959M-12



**FR20** FR ANTI-STATIC BALACLAVA HOOD

EN ISO 11612 A1, B1, C1, F1  
 EN 1149 -5  
 ASTM F1959/F1959M-12 ATPV=16 CAL/CM<sup>2</sup> (HAF=86%)  
 Modaflame Knit: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre, 300g  
 Navy One Size



EN ISO 11612 EN 1149 ASTM F1959/F1959M-12



**FR19** FLAME RESISTANT ANTI-STATIC NECK TUBE

EN ISO 11612 A1, B1, C1, F1  
 EN 1149 -5  
 ASTM F1959/F1959M-12 ATPV 4.3 CAL/CM<sup>2</sup> (HAF 66%)  
 Modaflame Knit: 60% Modacrylic, 39% Cotton,  
 1% Carbon Fibre x 2 layer, 400g  
 Black One Size, Navy One Size



EN ISO 11612 EN 1149 ASTM F1959/F1959M-12



## PREMIUM FLAME RESISTANCE WITH ANTI-STATIC PROPERTIES

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



LINED



ELIM  
**43**  
 Cal/Cm<sup>2</sup>

LINED



ELIM  
**43**  
 Cal/Cm<sup>2</sup>

## MULTI-NORM PROTECTION



### FR79 BIZFLAME MULTI ARC HI-VIS JACKET

EN ISO 11612 A1, A2, B1, C1, E2  
 EN ISO 11611 CLASS 2 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 43 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE 6  
 EN ISO 20471 CLASS 3  
 EN 343 CLASS 3:3 X

Bizflame Multi Rain: 80% Cotton, 19% Polyester, 1% Antistatic Carbon Fibre, two-layer PTFE lamination, PU Coated, Fluorocarbon Finish, 380g  
 100% Cotton Flame Resistant Lining, 170g  
 Yellow/Navy M-XXL



### FR78 BIZFLAME MULTI ARC HI-VIS TROUSER

EN ISO 11612 A1, A2, B1, C1, E2  
 EN ISO 11611 CLASS 2 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 43CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE 6  
 EN ISO 20471 CLASS 2  
 EN 343 CLASS 3:3 X

Bizflame Multi Rain: 80% Cotton, 19% Polyester, 1% Antistatic Carbon Fibre, two-layer PTFE lamination, PU Coated, Fluorocarbon Finish, 380g  
 100% Cotton Flame Resistant Lining, 170g  
 Yellow/Navy M-XXL



ELIM  
**13**  
 Cal/Cm<sup>2</sup>



**HIGHEST  
 PROTECTION  
 AGAINST  
 MOLTEN IRON  
 SPLASH**

**FR61 HI-VIS MULTI-NORM JACKET**

EN ISO 11612 A1+A2, B1, C1, E3, F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 13 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE PB [6]  
 EN ISO 20471 CLASS 3  
 ASTM F1959/F1959M-12 ATPV = 13.6 CAL/CM<sup>2</sup> (HAF = 82%)

Bizflame Multi: 99% Cotton, 1% Carbon Fibre, 345g  
 Yellow/Navy S-3XL

**MULTI-NORM  
 HAZARD  
 PROTECTION**

ELIM  
**13**  
 Cal/Cm<sup>2</sup>



**FR62 HI-VIS MULTI-NORM TROUSERS**

EN ISO 11612 A1+A2, B1, C1, E3, F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1 ELIM 13 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE PB [6]  
 EN ISO 20471 CLASS 2  
 ASTM F1959/F1959M-12 ATPV = 13.6 CAL/CM<sup>2</sup> (HAF = 82%)

Bizflame Multi: 99% Cotton, 1% Carbon Fibre, 345g  
 Yellow/Navy S-3XL

ELIM  
**13**  
 Cal/Cm<sup>2</sup>



ELIM  
**13**  
 Cal/Cm<sup>2</sup>



ELIM  
**13**  
 Cal/Cm<sup>2</sup>



**FR60 HI-VIS MULTI-NORM COVERALL**

EN ISO 11612 A1+A2, B1, C1, E3, F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1  
 ELIM 13 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE 6  
 EN ISO 20471 CLASS 3  
 ASTM F1959/F1959M-12  
 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Multi: 99% Cotton,  
 1% Carbon Fibre, 345g  
 Navy S-4XL



**FR63 HI-VIS MULTI-NORM BIB AND BRACE**

EN ISO 11612 A1+A2, B1, C1, E3, F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1  
 ELIM 13 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE PB [6]  
 EN ISO 20471 CLASS 2  
 ASTM F1959/F1959M-12  
 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Multi: 99% Cotton,  
 1% Carbon Fibre, 345g  
 Navy S-3XL



**FR80 MULTI-NORM COVERALL**

EN ISO 11612 A1+A2 B1, C1, E3, F1  
 EN ISO 11611 CLASS 1 A1+A2  
 EN 1149 -5  
 IEC 61482-2 IEC 61482-1-1  
 ELIM 13 CAL/CM<sup>2</sup>  
 IEC 61482-2 IEC 61482-1-2 APC 1  
 EN 13034 TYPE 6  
 ASTM F1959/F1959M-12  
 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Multi: 99% Cotton,  
 1% Carbon Fibre, 345g  
 Navy S-4XL



ELIM  
**11**  
Cal/Cm<sup>2</sup>



**FR68**

**BIZFLAME ULTRA JACKET**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1 + A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE PB [6]  
ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g  
 Navy S-3XL, Orange S-3XL



ASTM F1959/F1959M-12

**INDUSTRIALLY LAUNDERABLE**

WASH AT 75°C - TUNNEL DRY AT 155°C

**PRO**

1	
2	
3	
4	
5	
6	
7	
8	

ISO 15797 is the international standard specifying the industrial washing and finishing procedures that a product can withstand. All Portwest industrial launderable products marked with the EN ISO 15797 label, are tested according to washing procedure 8, for coloured workwear, that can tolerate tunnel finishing.



**FR66**

**BIZFLAME ULTRA TROUSER**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE PB [6]  
ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g  
 Navy, Orange  
Reg: 30"-46"  
31" or 79cm adjustable to Tall 33" or 84cm  
Short: 30"-42"  
29" or 74cm adjustable to Reg 31" or 79cm

ELIM  
**11**  
Cal/Cm<sup>2</sup>



ASTM F1959/F1959M-12



**100% METAL FREE**

ELIM  
**11**  
Cal/Cm<sup>2</sup>



**FR07 BIZFLAME ULTRA TWO TONE BIB & BRACE**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE PB [6]  
ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g  
 Grey S-3XL, Royal Blue S-3XL  
Short: 29" or 73cm adjustable to Reg 31" or 79cm  
Reg: 31" or 79cm adjustable to Tall 33" or 84cm



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 ASTM F1959/F1959M-12



**FR08 BIZFLAME ULTRA TWO TONE JACKET**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE PB [6]  
ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g  
 Grey S-3XL, Royal Blue S-3XL



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 ASTM F1959/F1959M-12



ELIM  
**11**  
Cal/Cm<sup>2</sup>



**FR06 BIZFLAME ULTRA TWO TONE TROUSER**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
EN 13034 TYPE PB [6]  
ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g  
 Grey, Royal Blue  
Short: 30-42  
29" or 74cm adjustable to Reg 31" or 79cm  
Reg: 30-46  
31" or 79cm adjustable to Tall 33" or 84cm



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 ASTM F1959/F1959M-12



ELIM  
**11**  
Cal/Cm<sup>2</sup>

ELIM  
**11**  
Cal/Cm<sup>2</sup>



**FR67**

**BIZFLAME ULTRA BIB & BRACE**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>

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

EN 13034 TYPE PB [6]

ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g

Navy S-3XL, Navy Short S-3XL, Orange S-3XL, Orange Short S-3XL

Short: 29" or 74cm adjustable to Reg 31" or 79cm

Reg: 31" or 79cm adjustable to Tall 33" or 84cm



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 F1959M-12

ELIM  
**11**  
Cal/Cm<sup>2</sup>



**FR93**

**BIZFLAME ULTRA COVERALL**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5

IEC 61482-2 IEC 61482-1-1 ELIM 11 CAL/CM<sup>2</sup>

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

EN 13034 TYPE 6

ASTM F1959/F1959M-12 ATPV 16 CAL/CM<sup>2</sup> (HAF 83.7%)

Bizflame Ultra: 80% Cotton, 19% Polyester, 1% Carbon Fibre, 340g

Grey S-3XL, Navy S-5XL, Orange S-5XL, Royal Blue S-3XL, Red S-3XL

Short: 29" or 74cm adjustable to Reg 31" or 79cm

Reg: 31" or 79cm adjustable to Tall 33" or 84cm



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 EN 13034 F1959M-12

ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



**FR25 BIZFLAME PLUS JACKET**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
 Navy S-4XL, Orange S-4XL



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959M-12



**FR55 BIZFLAME PLUS JACKET**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
 Navy/Red S-4XL, Navy/Royal S-3XL



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959M-12

ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



**FR26 BIZFLAME PLUS TROUSER**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
 Navy XS-4XL, Orange S-4XL,  
Navy Tall M-XXL, Orange Tall M-XXL



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959M-12



**FR56 BIZFLAME PLUS TROUSER**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
 Navy/Red S-4XL, Navy/Royal S-3XL, Navy/Red Tall M-XXL



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959M-12





ELIM  
**9**  
Cal/Cm<sup>2</sup>



**INNOVATIVE STRETCH  
PANELLING IN KEY  
MOVEMENT AREAS**

ELIM  
**9**  
Cal/Cm<sup>2</sup>



**FR601**

**BIZFLAME PLUS LIGHTWEIGHT STRETCH  
PANELLED JACKET**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 9 CAL/CM<sup>2</sup>

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 210g  
97% Cotton, 2% Elastane, 1% Carbon Fibre 210g  
 Navy S-3XL, Orange S-3XL

**PERMANENT  
ELASTICITY  
BUILT IN**



**FR401**

**BIZFLAME PLUS LIGHTWEIGHT STRETCH  
PANELLED TROUSER**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 9 CAL/CM<sup>2</sup>

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 210g  
97% Cotton, 2% Elastane, 1% Carbon Fibre 210g  
 Navy S-3XL, Orange S-3XL  
Reg: 31" or 79cm adjustable to Tall 33" or 84cm

ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



ELIM  
**9**  
Cal/Cm<sup>2</sup>



**FR501**

**BIZFLAME PLUS STRETCH PANELLED COVERALL**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
 97% Cotton, 2% Elastane, 1% Carbon Fibre 350g  
 Navy S-3XL, Orange S-3XL  
Reg: 31" or 79cm adjustable to Tall 33" or 84cm



EN ISO 11612 EN ISO 11611 EN 1149 IEC 61482-2 F1959M-12



**FR502**

**BIZFLAME PLUS LIGHTWEIGHT STRETCH PANELLED COVERALL**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 9 CAL/CM<sup>2</sup>

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 210g  
 97% Cotton, 2% Elastane, 1% Carbon Fibre 210g  
 Navy S-3XL, Orange S-3XL  
Reg: 31" or 79cm adjustable to Tall 33" or 84cm



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



**FR34 FR STANDARD COAT**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 1 A1+A2  
EN 1149 -5  
ASTM F1959/F1959M-14E1 ATPV 9.1CAL/CM<sup>2</sup>

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 210g  
 Navy S-3XL



**NEW**



**FR57 BIZFLAME PLUS BIB AND BRACE**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
 Navy/Red S-4XL, Navy/Royal S-3XL



ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



**FR27 BIZFLAME PLUS BIB AND BRACE**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)

Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
 Navy S-3XL, Orange S-4XL



ELIM  
**8.6**  
Cal/Cm<sup>2</sup>







**FR50 FLAME RESISTANT ANTI-STATIC COVERALL 350G**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV=13.6 CAL/CM<sup>2</sup> (HAF=82%)  
Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
Black, Grey, Navy, Orange, Red, Royal Blue, White

REG	S-XXL	XS-5XL	XS-6XL	XS-5XL	XS-5XL	XS-4XL	S-XXL
TALL		M-5XL	M-3XL	S-3XL	S-3XL	M-XXL	



ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



**FR51 BIZFLAME PLUS WOMEN'S COVERALL 350G**

EN ISO 11612 A1+A2, B1, C1, E2, F1  
EN ISO 11611 CLASS 2 A1+A2  
EN 1149 -5  
IEC 61482-2 IEC 61482-1-1 ELIM 8.6 CAL/CM<sup>2</sup>  
IEC 61482-2 IEC 61482-1-2 APC 1  
ASTM F1959/F1959M-12 ATPV 13.6 CAL CM<sup>2</sup> (HAF 82%)  
Bizflame Plus: 99% Cotton, 1% Carbon Fibre, 350g  
Navy X3-XXL, Orange XS-XXL  
Short: 29" or 74cm adjustable to Reg 31" or 79cm



MADE FOR WOMEN

ELIM  
**8.6**  
Cal/Cm<sup>2</sup>



**FR71 HI-VIS ANTI STATIC VEST - FLAME RESISTANT**

EN ISO 14116 INDEX 1  
EN 1149 -5  
EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)

Bizflame Work Antistatic: 98% Polyester 2% Carbon Fibre, Warp Knitted, 120g  
Yellow S/M - 4XL/5XL, Orange S/M - XXL/3XL





# **HIGH VISIBILITY ALL WEATHER PROTECTION**

Portwest all weather protection has been designed and tested to withstand the demands of harsh weather conditions. This range has been carefully selected for the wind industry and includes high visibility and non high visibility garments tested to EN343 and EN342 for outstanding protection in extreme cold or wet weather.



# TESTED TO PERFORM IN EXTREME COLD CONDITIONS



EN 342

**EN 342** STANDARD  
AND THERMAL  
MANIKIN TESTING

PROTECTS YOU AT  
TEMPERATURES  
AS LOW AS

**-44°C**

## THE MOST ADVANCED COMPLETE GARMENT TEST



EN 343

**EN 343** PROTECTIVE  
CLOTHING, PROTECTION  
AGAINST RAIN

PROTECTION EVEN  
IN THE HARSH  
ENVIRONMENTS







PERFORMANCE WORKWEAR



**PW369**

**PW3 HI-VIS WINTER PARKA JACKET**

EN ISO 20471 CLASS 3  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
EN 343 CLASS 3:1 X  
WP 15,000MM  
EN 342 0.356 (M<sup>2</sup>.K/W), 2, X

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g  
100% Polyester, 60g  
100% Polyester, 200g  
Yellow/Black S-4XL, Orange/Black S-4XL



**INSULATEX HEAT REFLECTIVE LINING**



**T400**

**PW3 HI-VIS WINTER JACKET**

EN ISO 20471 CLASS 3  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
EN 343 CLASS 3:1 X  
WP 15,000MM  
EN 342 0.323 (M<sup>2</sup>.K/W), 2, X  
ANSI/ISEA 107 TYPE R CLASS 3

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g  
100% Polyester, 60g  
100% Polyester, 170g  
Orange/Black XS-4XL, Orange/Navy S-4XL, Orange/Grey S-3XL, Yellow/Black XS-6XL, Yellow/Navy S-4XL, Yellow/Grey S-3XL





MADE FOR WOMEN



NEW



**PW382**

**PW3 HI-VIS WOMEN'S WINTER JACKET**

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
EN 343 CLASS 3:1 X  
WP 15,000MM  
EN 342 0.323 (M<sup>2</sup>.K/W), 2, X

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g  
100% Polyester, 60g  
100% Polyester, 170g  
Yellow/Black XS-3XL, Orange/Black XS-3XL

**MAXIMUM THERMAL INSULATION**












**PW367**

**PW3 HI-VIS 5-IN-1 JACKET**

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

 **300D Breathable:** 100% Polyester, 300D Oxford Weave, Double PU Coated, Breathable, Stain Resistant Finish, 190g  
 **Outer Jacket:** 100% Polyester Mesh 60g  
 **Inner Jacket:** 100% Polyester Fleece 400g  
 **Inner Jacket Sleeve:** 100% Polyester 100g  
 **Orange/Black S-4XL, Yellow/Black S-4XL**

**IDEAL FOR  
CHANGABLE  
CLIMATES**



PADED

5-IN-1

**NEW**



**PW308**

**PW3 CLASS 1 TOOL VEST**

EN ISO 20471 CLASS 1

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

**SECURE POCKETS  
PROVIDE AMPLE  
STORAGE**



**NEW**





**MADE FOR WOMEN**

**NEW**



**PW386**

**PW3 HI-VIS WOMEN'S RAIN TROUSER**

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
EN 343 CLASS 3:1 X  
WP 15,000MM

**300D Industry:**  
100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g  
**Orange/Black XS-XXL, Yellow/Black XS-XXL**



**PW342**

**PW3 HI-VIS EXTREME TROUSER**

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
EN 343 CLASS 4:3 X  
WP 11,000MM, MVP 50,000 G/M<sup>2</sup>/24HRS  
EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)  
ANSI/ISEA 107 SUPPLEMENTAL CLASS E

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



**PW351**

**PW3 HI-VIS WINTER TROUSER**

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
EN 343 CLASS 3:1 X  
WP 15,000MM  
EN 342 0.356 (M<sup>2</sup>.K/W), 2, X

**300D Industry:**  
100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g  
100% Nylon 190g  
100% Polyester, 60g  
100% Polyester, 160g  
**Yellow/Black S-4XL, Orange/Black S-4XL**

**NEW**







EXTREME WATERPROOF,  
BREATHABLE AND WINDPROOF PERFORMANCE

LINED



**S592** EXTREME HOOD

EXTREME WEATHER  
DETACHABLE HOOD  
AVAILABLE

LINED



**S590** EXTREME PARKA JACKET

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



Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g  
100% Polyester Mesh, 60g  
Sleeve: 100% Polyester Taffeta 190T 50gm  
Orange S-3XL, Yellow S-3XL



**S591** EXTREME BOMBER JACKET

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



Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g  
100% Polyester Mesh, 60g  
Sleeve: 100% Polyester Taffeta 190T 50gm  
Orange S-3XL



LINED



**S594** EXTREME BIB & BRACE

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



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



**S593** EXTREME COVERALL

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



Portwest Extreme: 100% Polyester, 300D Stretch Oxford, with a stain resistant finish, PU Membrane, 200g  
100% Polyester Mesh, 60g  
Sleeve: 100% Polyester Taffeta 190T 50g  
Orange S-3XL



# WATERPROOF JACKETS



## S491 SEALTEX ULTRA UNLINED JACKET (YELLOW)

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

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g  
 Yellow XS-5XL



## RT50 SEALTEX ULTRA UNLINED JACKET

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

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g  
 Orange XS-3XL



**FUNCTIONALLY  
HARDWEARING  
AND WATERPROOF**



## S450 SEALTEX CLASSIC JACKET

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

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 200g  
 Navy S-5XL, Olive Green S-3XL, Black S-XXL  
 Yellow S-3XL



**FLEXIBLE  
PU FABRIC**

# WATERPROOF COVERALL & TROUSERS



**FULL  
PROTECTION  
FROM THE  
ELEMENTS**



## **S495 SEALTEX ULTRA COVERALL**

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

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g  
 Yellow S-3XL  
 Orange S-3XL



## **S452 SEALTEX CLASSIC COVERALL**

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

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 200g  
 Navy S-3XL  
 Yellow M-3XL



## **S480 HI-VIS TRAFFIC TROUSER**

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

300D Industry: 100% Polyester, 300D Oxford Weave with a Stain Resistant finish, Double PU Coated, 190g  
 Orange XS-3XL, Yellow XS-6XL



## **S487 HI-VIS BREATHABLE TROUSER**

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

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

# WATERPROOF TROUSERS

EXTREME  
WATERPROOF  
AND  
BREATHABLE  
TECHNOLOGY



## S597 EXTREME TROUSER

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

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

STRETCHY PU  
COATED FABRIC  
WITH WELDED  
SEAMS



## S493 SEALTEX ULTRA REFLECTIVE TROUSER

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

Sealtex Ultra: 100% Polyester, Tricot Knit, PU Coated, 185g  
 Yellow XS-5XL  
 Orange S-3XL



## S451 SEALTEX CLASSIC TROUSER

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

Sealtex Classic: 100% Polyester, Tricot Knit, PU Coated, 200g  
 Navy S-5XL, Olive Green S-3XL, Black S-XXL  
 Yellow S-3XL

LIGHTWEIGHT  
WATERPROOF  
PROTECTION



## H441 HI-VIS RAIN TROUSER

EN ISO 20471 CLASS 1  
EN 343 CLASS 3:1 X  
WP 5,000MM  
ANSI/ISEA 107 SUPPLEMENTAL CLASS E  
AS/NZS 1906.4

100% Polyester, 190T, Plain Weave, PVC coated, 200g  
 Orange XS-5XL, Yellow XS-6XL



# SOFTSHELL JACKETS



PW3



## T402 PW3 HI-VIS SOFTSHELL JACKET

		EN ISO 20471 CLASS 2: SIZE XS
		EN ISO 20471 CLASS 3: SIZE S UPWARDS
		RIS 3279 TOM ISSUE 2 (ORANGE ONLY)
		ANSI/ISEA 107 TYPE R CLASS 2: SIZE XS
		ANSI/ISEA 107 TYPE R CLASS 3: SIZE S UPWARDS
		WATERPROOF/BREATHABILITY -
		WP 8.000MM, MVP 3.000G/M2/24HR
		94% Polyester, 6% Elastane 160g laminated to
		100% Polyester Micro Polar Fleece 150g, 310g
		Orange/Black XS-4XL, Orange/Navy S-4XL,
		Yellow/Black XS-6XL, Yellow/Navy XS-4XL,
		Orange/Grey S-3XL, Yellow/Grey S-3XL



MADE FOR WOMEN

PW3



## PW381 PW3 HI-VIS WOMEN'S SOFTSHELL

		EN ISO 20471 CLASS 2
		WATERPROOF/BREATHABILITY -
		WP 8.000MM, MVP 3.000G/M2/24HR
		94% Polyester, 6% Elastane, with 100% Polyester Micro
		Polar Fleece Softshell, 310g
		Yellow/Black XS-XXL



PERFECT FOR ADDING YOUR OWN BRANDING



## TK50 SOFTSHELL JACKET (3L)

		WATERPROOF/BREATHABILITY -
		WP 8.000MM, MVP 3.000G/M2/24HR
		94% Polyester, 6% Elastane 160g laminated to
		100% Polyester Micro Polar Fleece 150g, 310g
		Black XS-5XL, Navy XS-5XL, Grey S-XXL



MADE FOR WOMEN



## TK41 CHARLOTTE WOMEN'S SOFTSHELL (3L)

		WATERPROOF/BREATHABILITY -
		WP 3.000MM, MVP 600G/M2/24HR
		94% Polyester, 6% Elastane, with 100% Polyester Micro
		Polar Fleece Softshell, 320g
		Black XS-XXL, Navy S-XXL

# CORPORATE CASUALS



## B303 HI-VIS SWEATSHIRT

EN ISO 20471 CLASS 3  
RIS 3279 TOM ISSUE 2 (ORANGE ONLY)  
ANSI/ISEA 107 TYPE R CLASS 3  
AS 4602.1 CLASS D/N  
65% Polyester, 35% Cotton, 300g  
Orange XS-5XL, Yellow XS-5XL  
Red S-3XL



## B300 ROMA SWEATSHIRT

65% Polyester, 35% Cotton, 300g  
Black XS-4XL, Dark Navy S-3XL, Heather Grey S-3XL, Navy XS-5XL, Royal Blue S-3XL



## T720 WX3 POLO SHIRT

65% Polyester, 35% Cotton, 210g  
Black XS-6XL, Persian Blue S-3XL, Olive Green S-3XL



## B210 NAPLES POLO SHIRT

65% Polyester, 35% Cotton, 210g  
Bottle Green S-3XL, Black XS-5XL, Dark Navy XS-4XL, Heather Grey XS-4XL, Navy XS-5XL, Royal Blue XS-5XL, Red XS-3XL, Sky Blue S-3XL, White XS-3XL, Metal Grey S-3XL, Aqua S-3XL



## B209 NAPLES WOMEN'S POLO SHIRT

65% Polyester, 35% Cotton, 210g  
Bottle Green XS-XXL, Black XS-XXL, Navy XS-XXL, Pink XS-XXL, Royal Blue XS-XXL, Red XS-XXL, Sky Blue XS-XXL, White XS-XXL, Aqua XS-XXL



## B195 TURIN PREMIUM T-SHIRT

100% Cotton, 195g  
Black S-3XL, Heather Grey S-3XL, Navy S-3XL, Royal Blue S-3XL, White XS-3XL

# WORKWEAR



Stretching the limits of comfort, safety and performance. Portwest's innovative and premium stretch fabrics provide unparalleled ease of movement and supreme flexibility



NEW



PW3



## PW305 PW3 STRETCH HOLSTER WORK TROUSER

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

**Kingsmill Polycotton Elastane Stretch:** 65% Polyester, 33% Cotton, 2% Elastane, 245g  
**100% Polyester Oxford 600D 210g**  
**Black 28-48**  
 Reg: 31" (79cm) adjustable to 33" (84cm)



NEW



PW3



## PW304 PW3 LIGHTWEIGHT STRETCH TROUSER

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

**Kingsmill Polycotton Elastane Stretch:** 65% Polyester, 33% Cotton, 2% Elastane, 190g  
**100% Polyester Oxford 600D 210g**  
**Black 28-48**  
 Reg: 31" (79cm) adjustable to 33" (84cm)



NEW  
 MADE FOR WOMEN



PW3



## PW380 PW3 WOMEN'S STRETCH WORK TROUSER

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

**Kingsmill Polycotton Elastane Stretch:** 65% Polyester, 33% Cotton, 2% Elastane, 245g  
**100% Polyester Oxford 600D 210g**  
**Black 26-38**  
 Reg: 29" (74cm) adjustable to 31" (79cm)



AVAILABLE WITHOUT HOLSTER POCKETS - T601

PW3



## T602 PW3 HOLSTER WORK TROUSER

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

**Kingsmill:** 65% Polyester, 35% Cotton, 300g  
**100% Polyester Oxford 600D 210g**  
**Black, Navy/Black, Zoom Grey/Black**  
**Reg: 28-48,**  
**31" (79cm) adjustable to 33" (84cm)**  
**Short: 28-42**  
**29" (74cm)**

# WORKWEAR

245g



## PW306 PW3 HI-VIS STRETCH HOLSTER TROUSER

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 1 (ORANGE ONLY)  
EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)  
Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 245g  
100% Polyester Oxford 600D 210g  
Orange/Black 28-48, Yellow/Black 28-48  
Reg: 31" (79cm) adjustable to 33" (84cm)

245g



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

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 1 (ORANGE ONLY)  
EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)  
Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 245g  
100% Polyester Oxford 600D 210g  
Orange/Black 26-38, Yellow/Black 26-38  
Reg: 29" (74cm) adjustable to 31" (79cm)

NEW

MADE FOR WOMEN

190g



## PW303 PW3 HI-VIS LIGHTWEIGHT STRETCH TROUSER

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 1 (ORANGE ONLY)  
EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)  
Kingsmill Polycotton Elastane Stretch: 65% Polyester, 33% Cotton, 2% Elastane, 190g  
100% Polyester Oxford 600D 210g  
Yellow/Black 28-48, Orange/Black 28-48  
Reg: 31" (79cm) adjustable to 33" (84cm)

300G WEIGHT OPTION AVAILABLE - PW340

AVAILABLE WITHOUT HOLSTER POCKETS - PW340



## T501 PW3 HI-VIS HOLSTER WORK TROUSER

EN ISO 20471 CLASS 2  
RIS 3279 TOM ISSUE 1 (ORANGE ONLY)  
EN 14404:2004+A1:2010 TYPE 2 LEVEL 0 (WHEN USED IN COMBINATION WITH S156)  
ANSI/ISEA 107 SUPPLEMENTAL CLASS E  
Kingsmill: 65% Polyester, 35% Cotton, 300g  
100% Polyester Oxford 600D 210g  
Orange/Black, Orange/Navy, Yellow/Black, Yellow/Navy  
Reg: 28-48, 31" (79cm) adjustable to 33" (84cm)  
Short: 28-42, 29" (74cm)



# PREMIUM BASE LAYER



**60** **B173 DYNAMIC AIR BASELAYER TOP**  
60% Nylon, 35% Polyester, 5% Elastane, 165g  
Charcoal S-XXL

**SEAMLESS BODY MAPPING  
PROVIDES SUPERIOR COMFORT  
AND BREATHABILITY**



**60** **B171 DYNAMIC AIR BASELAYER LEGGING**  
60% Nylon, 35% Polyester, 5% Elastane, 165g  
Charcoal S-XXL



# BASE LAYERS



**HIGH  
PERFORMANCE  
WICKING  
FABRIC**



**B133 THERMAL BASELAYER TOP**  
100% Wicking Polyester, 140g  
Charcoal S-4XL, Black S-XXL

**B153 BASE PRO ANTIBACTERIAL TOP**  
93% Wicking Polyester, 7% Elastane with Silver Ion  
Treatment, 165g  
Black S-XXL



**SILVER ION  
TREATMENT  
REDUCES ODOUR**



**B131 THERMAL BASELAYER LEGGINGS**  
100% Wicking Polyester, 140g  
Charcoal S-4XL, Black S-XXL

**B151 BASE PRO ANTIBACTERIAL  
LEGGING**  
93% Wicking Polyester, 7% Elastane with Silver Ion  
Treatment, 165g  
Black S-XXL



# FOOT PROTECTION

Engineered for maximum safety and outstanding performance, this range of foot protection is packed with safety features that offers outstanding protection in tough working environments.

**ADVANCED FOOT PROTECTION**



**10** **B0898 BE-POWERFUL TOP**  
UNI EN ISO 20345:2012 S3 WR CI SRC

- Water-Resistant Full Grain Leather with H2st0p Membrane
- Antifatigue AirTech + Tpu-Skin Life Plus Technology
- Black/Green 36-50

**10** **B0895 BE-DRY MID/BE-ROCK**  
UNI EN ISO 20345:2012 S3 WR CI HI HRO SRC

- Water-Resistant Full Grain Leather with H2st0p Membrane
- AirTech Double-Density PU/HRO Rubber Life Plus Technology
- Black 36-50, Brown 39-50



**10** **B0888 BE-UNIFORM TOP**  
UNI EN ISO 20345:2012 S3 HRO CI HI SRC

- Leather
- AirTech Double-Density PU/HRO Rubber Life Plus Technology
- Brown/Black 39-48
- Black/Red 39-48

**10** **B0883 BE-BROWNY TOP/BE JETTY TOP**  
UNI EN ISO 20345:2012 S3 CI SRC

- Water-Resistant Waxy Leather
- Antifatigue AirTech + Tpu-Skin Technology 4x4
- Brown/Black 36-50, Black 36-50



LINED



**FOR WORK UNDER  
EXTREME CONDITIONS**



**B0850 BE-OSLO**

EN ISO 20345 S3 WR CI HI HRO SRC  
Water-Resistant Waxy Leather  
Double-Density AirTech PU/HRO  
Rubber Outsole:  
Black 36-50

**PORTWEST**

**DESIGNED FOR  
THE TOUGHEST  
ENVIRONMENTS**



**FD01 PORTWEST COMPOSITELITE TRACTION  
10 INCH (25CM) SAFETY BOOT S3 HRO CI WR**

EN ISO 20345 S3, EN 61340-4-3  
Full-Grain Leather  
PU/Rubber Outsole: F18  
Black 38-48



**FD02 PORTWEST COMPOSITELITE TRACTION  
7 INCH (18CM) SAFETY BOOT S3 HRO CI WR**

EN ISO 20345 S3, EN 61340-4-3  
Full-Grain Leather  
PU/Rubber Outsole: F18  
Black 38-48

**FOOTWEAR ACCESSORIES**



**SK34 WINTER MERINO SOCK**



**SK18 EXTREME COLD  
WEATHER SOCK**



**SK20 MODAFLAME SOCK**



**FD15 EDEN SAFETY BOOT S3 HRO CI HI FO**

EN ISO 20345 S3  
AS 2210.3  
Full-Grain Leather  
PU/Rubber Outsole: F47  
Black 38-48



**FW95 TOTAL SAFETY WELLINGTON S5**

EN ISO 20345 S5, EN 13832-3:2018  
AS 2210.3 ASTM F2413-18  
PVC/Nitrile  
PVC/Nitrile Outsole: F06  
Black 36-49 White 36-48  
Green 36-48

## WATERPROOF AND BREATHABLE



**FC57 PORTWEST COMPOSITELITE ALL WEATHER BOOT S3 WR**

EN ISO 20345 S3  
AS 2210.3  
Cow Nubuck Leather  
PU/TPU Outsole: F12  
Black 38-48



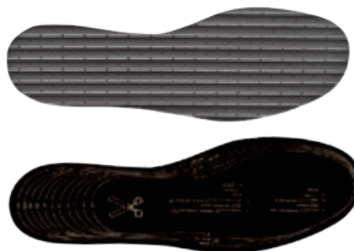
**FW57 STEELITE ALL WEATHER BOOT S3 WR**

EN ISO 20345 S3  
ASTM F2413-18  
Cow Nubuck Leather  
PU/TPU Outsole: F12  
Black 38-48, Brown 38-48

## FOOTWEAR ACCESSORIES



**SK11 THERMAL SOCK**



**FC89 THERMAL FLEECE INSOLE**



**FC88 THERMAL ALUMINIUM INSOLE**



# HAND PROTECTION

Hand injury is one of the most common and frequent complaints in the workplace. This range of hand protection provides vital protection from multiple hazards commonly experienced, including protection against impact, cuts and lacerations and extreme cold.



**216** **12** **CE** **AP01 THERMO PRO GLOVE**  
**UK** **CA** **13** EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 2132X  
 EN 511 X3X  
 ANSI/ISEA 105: 2016 CUT LEVEL A3  
 Brushed Acrylic, Latex,  
 Latex Foam  
 Blue/Black S/7-XXL/11

❄️ THERM 💧 AQUA 🖐️ GRIP



**144** **12** **CE** **A140 THERMAL GRIP GLOVE - LATEX**  
**UK** **CA** **10** EN ISO 21420 DEXTERITY 4  
 EN388:2016 +A1:2018 - 1141X  
 EN 511 X1X  
 ANSI/ISEA 105: 2016 CUT LEVEL A1  
 Acrylic, Latex  
 Black XS/6-XXL/11,  
 Orange/Black M/8-XXL/11

❄️ THERM 🖐️ GRIP



**144** **12** **CE** **A146 ARCTIC WINTER GLOVE**  
**UK** **CA** **15** EN ISO 21420 DEXTERITY 3  
 EN388:2016 +A1:2018 - 4242X  
 EN 407 X2XXXX  
 EN 511 X2X  
 ANSI/ISEA 105: 2016 CUT LEVEL A2  
 Nylon, Acrylic, Nitrile Sandy  
 Black L/9-XXL/11,  
 Yellow M/8-XXL/11

🔥 HEAT ❄️ THERM 🖐️ GRIP

LINED



**144** **12** **CE** **AP02 THERMO PRO ULTRA**  
 EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 4242X  
 EN 511 X2X  
 ANSI/ISEA 105: 2016 CUT LEVEL A3  
 Acrylic, Nitrile Sandy  
 Orange/Black S-XXL

❄️ THERM 🖐️ GRIP NANO



**192** **12** **CE** **A185 DUO-THERM GLOVE**  
 EN ISO 21420  
 EN388:2016 +A1:2018 - 1131X  
 EN 511 X1X  
 AS/NZS 2161 .3  
 AS/NZS 2161 .2  
 AS/NZS 2161 .5  
 Polyester, Latex  
 Orange/Blue M/8-XXL/11,  
 Yellow/Blue M/8-XXL/11

❄️ THERM 🖐️ GRIP



**480** **12** **CE** **A115 THERMAL LINER**  
 CE CAT 1  
 Polyester  
 Navy S/7-XXL/11

❄️ THERM LINER





**AP80 LIQUID PRO GLOVE**  
 EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 4131X  
 ANSI/ISEA 105: 2016 CUT LEVEL A1  
 Nylon, Latex, Latex Foam  
 Blue S/7-XXL/11

**AP30 DERMI PRO GLOVE**  
 EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 4121X  
 ANSI/ISEA 105: 2016 CUT LEVEL A1  
 Nylon, Nitrile, Nitrile Foam  
 Orange/Black S/7-XXL/11

**AP70 NERO LITE FOAM GLOVE**  
 EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 2121X  
 Nylon, Micro PU  
 Blue/Black S/7-XXL/11

### AQUA GRIP

### AQUA GRIP

### FOODSAFE GRIP



**A350 DERMIFLEX GLOVE**  
 EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 4131X  
 ANSI/ISEA 105: 2016 CUT LEVEL A1  
 Nylon, Elastane, Nitrile Foam  
 Black S/7-XXL/11

**A351 DERMIFLEX PLUS GLOVE**  
 EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 4131X  
 ANSI/ISEA 105: 2016 CUT LEVEL A1  
 Nylon, Elastic, Nitrile Foam  
 Grey/Black S/7-3XL/12

**AP62 DERMIFLEX AQUA GLOVE**  
 EN ISO 21420 DEXTERITY 5  
 EN388:2016 +A1:2018 - 4131X  
 ANSI/ISEA 105: 2016 CUT LEVEL A1  
 ANSI/ISEA 105: 2016 ABRASION LEVEL 3  
 Nylon, Elastane, Nitrile Sandy  
 Grey/Black S/7-XXL/11



**48**  
**12**

**A745 IMPACT PRO CUT GLOVE**

CE EN ISO 21420 DEXTERITY 2  
EN388:2016 +A1:2018 - 3X42FP  
EN 407 X2XXXX  
UK CA ANSI/ISEA 105: 2016 CUT LEVEL A6  
ANSI/ISEA 138 LEVEL 2 - PASS  
Full-Grain Cow Leather, HPPE, Stainless Steel, Cotton, TPR  
M/8-3XL/12



**72**  
**12**

**A727 DX VHR IMPACT GLOVE**

CE EN ISO 21420 DEXTERITY 5  
EN388:2016 +A1:2018 - 4X43EP  
EN 407 X1XXXX  
UK CA ANSI/ISEA 105: 2016 CUT LEVEL A6  
ANSI/ISEA 138 LEVEL 1 - PASS  
HPPE, TPR, Glass Fibre, Steel, Nitrile Sandy  
Orange M/8-3XL/12



**72**  
**12**

**A729 ANTI IMPACT CUT RESISTANT THERMAL GLOVE**

CE EN ISO 21420 DEXTERITY 3  
EN388:2016 +A1:2018 - 4X42CP  
EN 511 X2X  
UK CA ANSI/ISEA 105: 2016 CUT LEVEL A4  
ANSI/ISEA 138 LEVEL 2 - PASS  
HPPE, Glass Fibre, TPR, Brushed Acrylic, Nitrile  
Grey/Black S/7-3XL/12

CUT F ➤ IMPACT 🔥 HEAT

CUT E ➤ IMPACT 🔥 HEAT 🖐️ GRIP

CUT C ➤ IMPACT ❄️ THERM 🖐️ GRIP



**72**  
**12**

**A726 AQUA-SEAL PRO GLOVE**

CE EN ISO 21420  
EN388:2016 +A1:2018 - 3X33BP  
EN 511 221  
UK CA Synthetic Leather, Elastane, Neoprene, Insulatex, PVC, TPR  
Orange/Blue L/9-XXL/11



**96**  
**12**

**A721 ANTI IMPACT GRIP GLOVE**

CE EN ISO 21420 DEXTERITY 5  
EN388:2016 +A1:2018 - 4241XP  
UK CA ANSI/ISEA 105: 2016 CUT LEVEL A1  
ANSI/ISEA 138 LEVEL 2 - PASS  
TPR, Polyester, Nitrile  
Yellow/Orange S/7-3XL/12



**72**  
**12**

**A722 ANTI IMPACT CUT RESISTANT GLOVE**

CE EN ISO 21420 DEXTERITY 3  
EN388:2016 +A1:2018 - 4X43CP  
EN 407 X1XXXX  
UK CA ANSI/ISEA 105: 2016 CUT LEVEL A4  
ANSI/ISEA 138 LEVEL 2 - PASS  
HPPE, Glass Fibre, TPR, Nitrile  
Grey/Black S/7-3XL/12

➤ IMPACT ❄️ THERM 💧 AQUA

➤ IMPACT 🖐️ GRIP

CUT C ➤ IMPACT 🔥 HEAT 🖐️ GRIP



**96**  
12

**CE**

**A723** TPV IMPACT CUT GLOVE

**UK**  
**CA**

**13**

EN ISO 21420 DEXTERITY 4  
EN388:2016 +A1:2018 - 4X43CP

 TPV, HDPE, Nitrile Foam

  Grey/Black M/8-XXL/11

**144**  
12

**CE**

**A622** MR CUT PU PALM GLOVE

**UK**  
**CA**

**13**

EN ISO 21420 DEXTERITY 5  
EN388:2016 +A1:2018 - 4X43C

EN 407 X1XXXX

ANSI/ISEA 105: 2016 CUT LEVEL A3

 HPPE, Elastane, Glass Fibre, Elastic, Polyester, PU

 Grey XS/6-3XL/12

**144**  
12

**CE**

**CT67** CT AHR NITRILE FOAM CUT GLOVE

**UK**  
**CA**

**13**

EN ISO 21420 DEXTERITY 5  
EN388:2016 +A1:2018 - 4X43F

ANSI/ISEA 105: 2016 CUT LEVEL A6

 UHWPE, Nitrile Foam

 Grey/Black XS/6-XXL/11

 **CUT C**  **IMPACT**  **GRIP**

 **CUT C**  **HEAT**  **GRIP**

 **CUT F**  **GRIP**



**144**  
12

**CE**

**CT45** CT HR18 NITRILE FOAM CUT GLOVE

**UK**  
**CA**

**18**

EN ISO 21420 DEXTERITY 5  
EN388:2016 +A1:2018 - 4X42D

ANSI/ISEA 105: 2016 CUT LEVEL A4

 UHWPE, Nitrile Foam

 Grey/Black XS/6-XXL/11

**144**  
12

**CE**

**CT65** CT VHR15 NITRILE FOAM CUT GLOVE

**UK**  
**CA**

**15**

EN ISO 21420 DEXTERITY 5  
EN388:2016 +A1:2018 - 4X43E

ANSI/ISEA 105: 2016 CUT LEVEL A5

 UHWPE, Nitrile Foam

 Grey/Black XS/6-XXL/11

**144**  
12

**CE**

**CT32** CT MR18 MICRO FOAM NITRILE CUT GLOVE

**UK**  
**CA**

**18**

EN ISO 21420 DEXTERITY 5  
EN388:2016 +A1:2018 - 4X31C

ANSI/ISEA 105: 2016 CUT LEVEL A3

 UHWPE, Nitrile Micro Foam

 Grey/Black XS/6-XXL/11

 **CUT D**  **GRIP**

 **CUT E**  **GRIP**

 **CUT C**  **GRIP**  **TOUCH**



# HEIGHT SAFETY

AVAILABLE ON [PORTWEST.COM](https://www.portwest.com)



**FP73**



**FP19**



**FP18**

Portwest offers a range of Height Safety that help to prevent the risks associated with falling from heights. To find out more visit [Portwest.com](https://www.portwest.com)





# PERSONAL PROTECTIVE EQUIPMENT

Specifically selected for use in the wind energy industry, this range of lightweight PPE has been designed with comfort in mind, ensuring a pleasant wear even after long hours of use.

# PERSONAL PROTECTIVE EQUIPMENT



**20** **PS73** HEIGHT ENDURANCE MOUNTAINEER HELMET

**UK CA** **CE**

EN 12492  
EN 397 (IMPACT / PENETRATION / -30°C)

ABS, EPS (Expanded Polystyrene)

Hi-Vis Orange, Red, Royal Blue, White, Hi-Vis Yellow

52-63cm



**56** **PA03** HEIGHT ENDURANCE VISOR

**UK CA** **CE**

EN 166 1 F  
EN 170 2C-1.2 (CLEAR)  
EN 172 5.2 (SMOKE)

Polycarbonate 72g

Clear, Smoke

**AF** **AS**



**50** **PA58** HELMET WINTER LINER

**10**

Cotton, Polyester 150g

Black, Navy



**LINED**

**144** **B013** KNIT CAP INSULATEX LINED

**12**

**9**

100% Acrylic, Knit, Insulutex Lining, 40g

Black, Grey, Navy

Orange, Yellow



**288** **PS11** TECH LOOK PLUS SPECTACLES

**12** **CE**

**UK CA** **AF**

EN 166 1 FT  
EN 170 2C-1.2  
EN 172 5-1.7  
EN 172 5-3.1

ANSI/ISEA Z87.1 + ANSI/ISEA Z87.1 + U6L3

Polycarbonate, Nylon, EVA Foam 46g

Amber, Clear, Mirror, Smoke

**AS**



**288** **PW11** LEVO SPECTACLES

**12** **CE**

**UK CA** **AS**

EN 166 1 FT  
EN 170 2C-1.2  
EN 172 5-3.1

ANSI/ISEA Z87 + ANSI/ISEA Z87 + U6 L3

Polycarbonate 41g

Clear, Smoke

**AS**



**288** **PS09** IMPERVIOUS TECH SPECTACLES

**12** **CE**

**UK CA** **AF**

EN 166 1 FT  
EN 170 2C-1.2  
EN 172 5-3.1

Polycarbonate, Nylon, EVA Foam 46g

Clear, Smoke

**AS**

# LUGGAGE

The Portwest premium holdall collection is constructed from high quality premium materials with a modern and stylish design. Hardwearing and ergonomic this collection of holdalls is ideal for use by workers in on and offshore wind energy farms. Large capacity ensures workers can carry their full range of safety kit together in one place.

LINED

NEW



PW3

**B951** PW3 100L WATER-RESISTANT DUFFLE TROLLEY BAG

Ripstop TPU,  
200D PU,  
Black  
78cm x 37cm x 35cm  
Capacity 100 Litres

LARGE 100L  
CAPACITY

LINED

NEW



PW3

**B950** PW3 70L WATER-RESISTANT DUFFLE BAG

Ripstop TPU,  
200D PU,  
Black  
70cm x 34cm x 30cm  
Capacity 70 Litres

LINED

NEW



PW3

**B960** 60L DUFFLE BAG

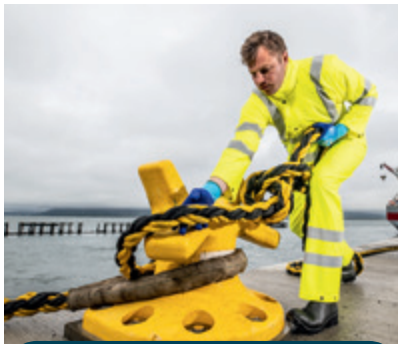
100% Polyester 600D Fabric,  
200D PU,  
Black  
65cm x 25cm x 35cm  
Capacity 60 Litres



# EXPLORE THE FULL PORTWEST RANGE

AVAILABLE ON [PORTWEST.COM](https://portwest.com)

With over 1,200 safety styles, Portwest offer a solution for all your safety needs.



**HIGH VISIBILITY**



**FLAME RESISTANT**



**WORKWEAR**



**ALL WEATHER**



**FOOT PROTECTION**



**HAND PROTECTION**



**PPE**



**HAZARD PROTECTION**













































**FOOD**























**HEALTH AND HYGIENE WORKWEAR**



# KEY SYMBOLS

 <b>Stretch panelling</b> This symbol indicates the garment has stretch panelling in key movement areas for greater flexibility.	 <b>Fully elasticated waistband</b> This symbol indicates a fully elasticated waistband on the trouser which allows for all-day comfort for the wearer.	 <b>Knitting Gauge</b> This symbol denotes the knitting gauge of the fabric.	 <b>Concealed detachable hood</b> This symbol indicates that the garment comes with a detachable hood
 <b>CE certified</b> This symbol indicates conformity of essential health and safety requirements as set out in European Directives.	 <b>Knee pad pockets</b> Many of our products incorporate knee pad pockets. These garments have been developed to carry our range of ergonomically designed knee pads.	 <b>Multiple storage pockets</b> This symbol indicates that the garment is designed with multiple pockets.	 <b>Hood</b> This symbol indicates that the garment comes with a non-detachable hood.
 <b>UKCA marked</b> 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.	 <b>Taped seams</b> This symbol indicates that the garment has taped waterproof seams.	 <b>AS</b> <b>Anti-scratch</b> Surface coating intended to mitigate scratch effects on the lens	 <b>40+ UPF</b> <b>UPF 40+</b> 40+ UPF rated fabric to block 98% of UV rays
 <b>Phone pocket</b> This symbol indicates that a mobile phone pocket is included in the garment.	 <b>Welded waterproof seams</b> This symbol indicates that the garment has high-frequency welded waterproof seams.	 <b>AF</b> <b>Anti-fog</b> Surface treatment which helps reducing fogging effects on the lens.	 <b>35 UPF</b> <b>UPF 35+</b> This symbol indicates the fabric has a UPF rating of 35+ so will block 97% of the UV rays which fall on the garment.
 <b>Print access</b> This symbol indicates that garments have print/embroidery access.	 <b>Certified after 50x washes</b> This symbol indicates compliance with EN ISO 20471 after 50 washes* *Minimum requirement under the EN norm is 5 washes	 <b>FR</b> <b>FR tape</b> Indicates that the garment has flame resistant reflective tape.	 <b>X1</b> <b>1 layer</b> This symbol indicates that the garment is unlined and is made using only the outer layer of fabric.
 <b>Interactive garment</b> This symbol indicates zip-in fleece or vest feature to create a one-piece garment.	 <b>Dual ID holder</b> Dual ID holder allows use of both portrait and landscape ID card display	 <b>HS</b> <b>Heat applied reflective tape</b> This symbol indicates that the garment has heat applied reflective tape.	 <b>X2</b> <b>2 layer</b> This symbol indicates that the product has 2 layers - an outer and an inner layer.
 <b>Two-way zipper</b> This symbol indicates that the zip can be opened from the top or bottom of the garment.	 <b>Anti-scratch design</b> Anti-scratch design with no exposed metal parts	 <b>Vending ready</b> This symbol indicates that this product has been individually packed for vending machines.	 <b>X3</b> <b>3 layer</b> This symbol indicates that the garment has 3 layers - an outer, a mid and an inner layer.
 <b>Reversible garment</b> This symbol indicates that garments are reversible.	 <b>Detachable lining</b> This symbol indicates that the garment has detachable lining.	 <b>100% metal free</b> 100% metal free	 <b>Holster pockets</b> Swing away tool pockets
 <b>Breathable garment</b> This symbol indicates that the garment is made of a high performance breathable fabric.	 <b>Internal tablet pocket</b> This symbol indicates that an internal tablet pocket is included in the garments which carry this symbol.	 <b>Ventilation ports</b> Ventilation ports for maximum breathability	 <b>FR,HA</b> <b>Heat applied flame resistant tape</b> This symbol indicates that the garment has heat applied flame resistant reflective tape
 <b>Half elasticated waist</b> This symbol indicates a half elastic waistband which allows for all-day comfort for the wearer.	 <b>Free spec cord</b> Free spec cord with styles showing this symbol.	 <b>Radio loop</b> This symbol indicates that the garments have a radio loop for easy attachment of a radio.	 <b>FR,IW</b> Indicates that the garment has double-stitched, industrial wash, flame resistant reflective tape.
 <b>Retail tag</b> This symbol indicates that this item is shipped with a retail tag to aid product presentation for retail sales.	 <b>Carton Quantity</b> This symbol indicates the quantity of products in a carton which do not have inner boxes.		

 <b>200 Jouls Steel Toecap</b>	 <b>Dual Density Sole Unit</b>	 <b>Waterproof construction</b>
 <b>200 Jouls Composite Toecap</b>	 <b>Slip resistant outsole</b>	 <b>Waterproof membrane</b>
 <b>Pierce resistant composite midsole</b>	 <b>HRO 300°C</b> <b>Heat resistant outsole 300°C</b>	 <b>Water resistant upper</b>
 <b>Pierce resistant steel midsole</b>	 <b>Fuel and oil resistant outsole</b>	 <b>Cold insulation</b>
 <b>Full grain leather</b>	 <b>ESD</b>	 <b>Heat insulation</b>
 <b>Energy absorbing seat region</b>	 <b>METAL FREE</b> <b>Metal free</b>	 <b>Wide fitting</b>
 <b>Anti-static footwear</b>	 <b>Chemical resistant</b>	

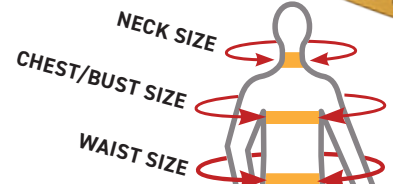
# SIZE CONVERSIONS

These size charts show body measurements and should be used as a guide when choosing the correct size. For example a person with a chest circumference of 108cm -112cm would take a size L when choosing a jacket or coverall.



## MEN'S NECK

	S		M		L		XL	XXL	3XL		4XL			
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



MEASURE AS INDICATED ON THE FIGURE TO FIND YOUR SIZE



## MEN'S WAIST

	XS		S		M		L		XL	XXL	3XL		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

	XXS		XS		S		M		L		XL	XXL	3XL		4XL		5XL		6XL		7XL		8XL									
METRIC (CM)	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	148	152	156	160	164	168	172	176	180	184	188	192	196
IMPERIAL (INCHES)	28	30	32	33	34	36	38	40	41	42	44	46	47	48	50	52	54	55	56	58	60	62	64	65	66	67	69	71	73	74	76	77
EURO	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98
LEISUREWEAR	XS		S		M		L		XL	XXL	3XL		4XL		5XL		6XL		7XL		8XL											



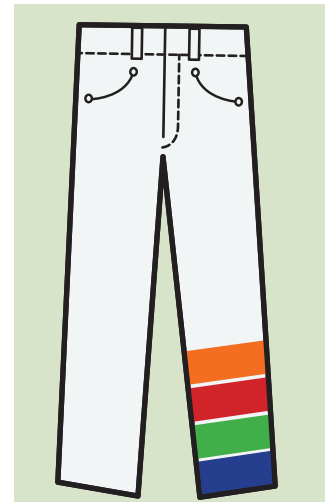
## WOMEN'S BUST

	XS		S		M		L		XL	XXL	3XL		4XL				
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	41	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	
LEISUREWEAR	XS		S		M		L	XL	XXL	3XL		4XL					



## WOMEN'S WAIST

	XS		S		M		L		XL	XXL	3XL		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				



## LEG LENGTH

- 29" - 74CM - SHORT
- 31" - 79CM - REG
- 33" - 84CM - TALL
- 36" - 92CM - XTALL

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

## GLOVES

XXS	XS	S	M	L	XL	XXL	3XL	4XL
5	6	7	8	9	10	11	12	13

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