

A full-page photograph of a male worker in a red safety suit, white hard hat, safety glasses, and ear protection, walking through an industrial facility. The background is filled with complex machinery, pipes, and structural beams. The worker is wearing a red jumpsuit with reflective silver stripes on the sleeves and legs, white gloves, and black safety boots. A black communication device is clipped to his chest. The floor is wet and reflective. In the top right corner, the 'Safetyware' logo is displayed in a stylized white font, with 'SAFETYWARE GROUP' and 'Responsibility & Care' below it. In the bottom left corner, a green rectangular graphic contains the text 'BODY PROTECTION' in white, bold, sans-serif font.

Safetyware

SAFETYWARE GROUP

Responsibility & Care

**BODY
PROTECTION**

Type of Safety Apparel Available

Safety Apparel made from a wide range of materials are available for virtually every workplace hazards. Generally our safety apparel can be divided into the following groups:



Aprons

We manufacture & supply a wide range of aprons which are suitable for different applications such as Chemical & Liquid Protective Aprons, General Purpose Aprons and Specialty Aprons.



Disposable Garment

Disposable Apparel is good against light liquid and chemical splash, animal fats, oil, and greases. It produces by the Low Density of Polyethylene (LDPE), which is excellent resistance to water, moisture and most organic solvents and chemicals.



Chemical Resistant

Chemical Resistant Apparel is designed to resist to most type of dangerous chemicals and harmful particles.



General Workwear

We manufacture & supply a wide range of general workwear such as Coveralls, Jackets, Trouser, Bib and Braces, T-shirts, Polo & Shirts as well as ladies workwear.



Rainwear

SAFETYWARE Rainwear is made with high quality rainwear fabric that offers superior comfort, lightweight function and endurance in all weather conditions. Its yellow colour sateen provides added safety by enhancing the visibility of the wearer.



Cold Resistant

Cold resistant apparels are designed to bring extra warmth to user. These lightweight garment are ideal for cold store operation, dairy processing, floral processing and production for cold room eg. food industries.



ESD & Cleanroom

SAFETYWARE ESD Protective cleanroom apparel is designed to be antistatic, low turbocharging, and offers protection from electrostatic fields generated by clothing on the user's body.



Electric ARC

Our products include protective FR apparel such as coverall & jackets and ARC rated head protection such as FR face shields and hoods. All the products are designed to protect you from ARC flash and fire hazards.



High Visibility

Workers in low light and poor visibility conditions need high visibility garments to ensure maximum visibility. We manufacture & supply a wide range of high visibility apparel such as Vests, Coveralls, Jackets, Trouser, Sweatshirts, Bib and Braces, T-shirts & Polo, Hi-Visibility Accessories. Custom made service available.



Heat & Flame Retardant

Workers in the toughest industries regularly encounter heat and flame. Whether it is radiant, convective or conductive heat, serious injuries and even fatalities are caused by heat and flame hazards. So we are offering powerful protection apparels with materials such as Treated FR, inherently FR and Reflespace® Aluminization.

Checklist for Workers to Use & Care for Body Protection

1. Why protective clothing is necessary? i.e., the workplace hazards that threaten their bodies.
2. How protective clothing will protect them?
3. What is the limitations of the body protection?
4. When must they wear the protective clothing?
5. How to put on the protective clothing properly?
6. How to adjust parts for a comfortable & effective fit?
7. How to identify signs of wear? such as:
 - Rips, tears, scuffs, and
 - Loss of elasticity in tight-fitting parts.
8. How to clean & disinfect the protective clothing that you provide for them?



APRON

Chemical & Liquid Protective Aprons

Protection rating for chemical and mechanical help to get your ideal apparel.

Chemical & Mechanical Protection Rating

Poor	Moderate	Good	Excellent	Best
★☆☆☆☆	★★☆☆☆	★★★☆☆	★★★★☆	★★★★★

CUSTOM MADE, LENGTH & ADDITIONAL SERVICES AVAILABLE

Safetyware



SAFETYWARE Disposable PE Apron

Item Code	Colour	Size	Thickness	Material	Chemical Protection	Mechanical Protection	Unit
APRPE2755	White	27" x 55"	0.02mm	LDPE	★☆☆☆☆	★☆☆☆☆	BAG

- Made with low-density polyethylene which offers basic protection against non-harmful particles and liquid splashes
- Disposable and is ideal for food handling and other hygiene purposes
- Packing: 100pcs /bag

Safetyware



APRPVC3543MD

APRVINYLTPR
(Coat Apron)

SAFETYWARE Medium Duty PVC Apron

Item Code	Colour	Size	Thickness	Material	Chemical Protection	Mechanical Protection	Unit
APRPVC2436MD	Translucent	24" x 36"	0.20mm	PVC	★★★★☆☆	★★★★☆☆	EA
APRPVC2448MD	Translucent	24" x 48"	0.20mm	PVC	★★★★☆☆	★★★★☆☆	EA
APRPVC3543MD	Translucent	35" x 43"	0.20mm	PVC	★★★★☆☆	★★★★☆☆	EA
APRVINYLTPR	Translucent	S - 5XL	0.20mm	PVC	★★★★☆☆	★★★★☆☆	EA

- Offer economical liquid proof protection against light chemicals, fats, oils, grease, punctures, and abrasions
- Ideal for chemical processing, food handling & preparation, cleaning & janitorial works and industrial maintenance
- Coat apron style (APRVINYLTPR) offers full body coverage
- Available in a variety of styles & sizes



SAFETYWARE CR Fabric Apron

Item Code	Colour	Size	Material	Chemical Protection	Mechanical Protection	Unit
APRCR3545	Grey	35" x 45"	Treated Polyester	★★☆☆☆	★★★☆☆	EA
APRCR2436	Grey	24" x 36"	Treated Polyester	★★☆☆☆	★★★☆☆	EA

- Made with specially treated polyester material which is liquid repellent
- Suitable for users who require both liquid protection and breathable material
- Protect against light dirt, light chemical splash, oil and grease
- Custom made styles & sizes are available



SAFETYWARE Heavy Duty PVC Apron

Item Code	Colour	Size	Thickness	Material	Chemical Protection	Mechanical Protection	Unit
APRPVC2448HD07	Black	24" x 48"	0.70mm	PVC	★★★☆☆	★★★☆☆	EA

- Made with PVC coated fabric which offers economical yet good protection against chemical, liquid splashes, dirt and oil & grease
- Ideal for chemical handling, cleaning works, and general industrial use
- Custom made styles & sizes are available



SAFETYWARE Heavy Duty Nitrile Apron

Item Code	Colour	Size	Thickness	Material	Chemical Protection	Mechanical Protection	Unit
APRNR3545	Black	35" x 45"	-	Nitrile	★★★★☆	★★★★☆	EA

- Made with Nitrile coated fabric which provides heavy-duty liquid protection against acids & caustics, solvents, oil, grease, and animal fats
- Offers good mechanical protection against abrasions & punctures
- Attached grommets provide extra durability

by Honeywell



SSA



SSCA

NORTH Silver Shield Apron

Item Code	Colour	Size	Thickness	Material	Chemical Protection	Mechanical Protection	Unit
SSA	Silver	35" x 45"	2.7mil	PE + EVOH	★★★★★	★☆☆☆☆	EA
SSCA	Silver	S - XL	2.7mil	PE + EVOH	★★★★★	★☆☆☆☆	EA

- Five (5) layers of PE and EVOH constructions provide excellent chemical resistant to over 280 different chemicals including alcohols, aliphatic, aromatic, chlorines, ketones, and esters
- Provide high-performance protection in the most demanding applications
- Thin and lightweight, excellent use for a liner undergarments
- Coat apron style (SSCA) offers full-body coverage
- Complies with ANSI/ISEA 105 - ASTM D3389-05 & ASTM F1790-97, CE EN374, EN388, OSHA Standard -29 CFR 1915.157.

General Purpose Aprons

Safetyware



APRCVS2436

SAFETYWARE Canvas Apron

Item Code	Colour	Size	Material	Feature	Unit
APRCVS2436	White	24" x 36"	Canvas	Durable, without Pocket	EA
APRCVS2448	White	24" x 48"	Canvas	Durable, without Pocket	EA

- Sturdy yet stylish, our Canvas Apron is the workhorse of professional apron
- Made with durable 100% cotton enzyme washed canvas, the apron is built to last and to withstand hard work on a daily basis
- Custom made styles & sizes are available

Safetyware



SAFETYWARE Denim Apron

Item Code	Colour	Size	Material	Feature	Unit
APRDNM2436	Navy Blue	24" x 36"	Denim	Sturdy, without Pocket	EA
APRDNM2448	Navy Blue	24" x 48"	Denim	Sturdy, without Pocket	EA

- Made with denim material which is a sturdy cotton warp-faced textile which offers better durability for heavy usage
- Dark colour surface helps to hide dirt better
- Custom made styles & sizes are available

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Colour Available

SAFETYWARE Cotton Drill Apron

Item Code	Colour	Size	Material	Feature	Unit
APRTCD2436	<White, Black, Grey,	24" x 36"	Cotton Drill	Without Pocket	EA
APRTCD24361P	Navy Blue, Royal Blue,	24" x 36"	Cotton Drill	1x Front Patch Pocket	EA
APRTCD2448	Green, Red, Orange,	24" x 48"	Cotton Drill	Without Pocket	EA
APRTCD24481P	Yellow>	24" x 48"	Cotton Drill	1x Front Patch Pocket	EA

- General purpose apron made with cotton drill material which offers a good balance in functionality & comfort
- Versatile and is widely used in non-hazardous commercial & industrial applications
- Custom made styles and sizes are available

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Colour Available

SAFETYWARE Lint Free Antistatic Apron

Item Code	Colour	Size	Material	Feature	Unit
APRESDSL	<White, Navy Blue,	24" x 36"	0.5mm Stripe Line	Antistatic, Lint Free	EA
	Sky Blue, Apple Green,	24" x 48"	0.5mm Stripe Line	Antistatic, Lint Free	EA
APRESDCG	Pink, Yellow>	24" x 36"	0.5mm Stripe Line	Antistatic, Lint Free	EA
		24" x 48"	0.5mm Stripe Line	Antistatic, Lint Free	EA

- Made with antistatic polyester material (stripe line or cross grid) which is lint free
- Ideal for food processing, medical, pharmaceutical, and electronics & semiconductor industries where particles contamination or ESD is a concern
- Custom made styles & sizes are available

Safetyware



APRTCW28151P

APRTCW28301P

SAFETYWARE Waist Apron

Item Code	Colour	Size	Material	Unit
APRTCW28151P	Navy Blue	28" x 15"	Cotton Drill	EA
APRTCW28301P	Navy Blue	28" x 30"	Cotton Drill	EA

- Available two pockets
- Functional and fashionable waist apron which fits any uniform
- Provide effective protection for your lower body
- Perfect for bartenders, servers, florists, and anyone in the hospitality industry
- Custom made styles & sizes are available

Specialty Aprons

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SAFETYWARE Split Leather Apron

Item Code	Colour	Size	Material	Protection	Unit
APRSLT2436	Grey	24" x 36"	Cow Split Leather	Heat & Welding Sparks	EA

- Our split leather apron is made with high quality cow split leather which is durable yet economical
- Ideal for welding, cutting & grinding works
- Offers good protection against abrasion, cut & puncture

Safetyware



SAFETYWARE Grain Leather Apron

Item Code	Colour	Size	Material	Protection	Unit
APRGLTH2436	Black	24" x 36"	Buffalo Grain Leather	Heat & Welding Sparks	EA

- Made with thick buffalo grain leather which is sturdy and durable
- The barton print surface is ideal for rough jobs and is liquid resistant as the liquid such as grease can be easily wipe off
- Offers longer lasting performance than ordinary split leather apron

WELDAS®



WELDAS Lava Brown Split Leather Apron

Item Code	Colour	Size	Material	Protection	Unit
447142	Brown	24" x 42"	Cow Split Leather	Heat & Welding Sparks	EA

- The Lava Brown™ heat and flame resistant leather apron is made from durable and pliable side split cowhide
- All leather seams are double lock stitched with high strength, high heat resistant, 5 ply KEVLAR® thread
- All stress points are riveted or double leather reinforced. All rivets and snaps have electrical insulation for safety



Safetyware



SAFETYWARE MeltArmor 320 Flame Retardant Apron

Item Code	Colour	Size	Material	Protection	Unit
MA320APRNBL23	Navy Blue	24" x 36"	MeltArmor 320gsm	Flame Resistant	EA
MA320APRNBL24	Navy Blue	24" x 48"	MeltArmor 320gsm	Flame Resistant	EA

- Provides flame-resistant front body protection
- Comes with snap and side buckle with webbed cotton straps for a sturdy yet comfortable fit
- Inherent Flame Resistant(FR). The FR property is permanent and will not be washed or worn off
- Offers excellent protection against molten metal and aluminium splash



SAFETYWARE Aluminized Heat Protection Apron

Item Code	Colour	Size	Material	Protection	Unit
VC580APRSIL23	Silver	24" x 36"	580gsm Reflespace® Aluminized Viscose FR Fabric	Radiant Heat	EA
VC580APRSIL24	Silver	24" x 48"	580gsm Reflespace® Aluminized Viscose FR Fabric	Radiant Heat	EA
CA515APRSIL23	Silver	24" x 36"	515gsm Reflespace® Aluminized Carbon- Aramid Fabric	Radiant Heat	EA
CA515APRSIL24	Silver	24" x 48"	515gsm Reflespace® Aluminized Carbon- Aramid Fabric	Radiant Heat	EA

- Made of Aluminized Fabric with Reflespace® Technology
- The aluminized material helps to reflect up to 95% radiant heat
- Provides protection from radiant heat, sparks, and molten metal splash
- Leather strap with slide snap at waist and neck

Specifications

	CA515APRSIL	VC580APRSIL
Weight (g/m ²)	515 / 800	580 / 800
Protection	0 / 5	0 / 5
Suppleness	0 / 4 / 5	0 / 5 / 5
Thickness (mm/100)	1 / 75 / 100	1 / 90 / 100
Material Certification	NF EN ISO 11612 A1 B1 C3 D3 E3 F1	NF EN ISO 11612 A1 B1 C3 D2 E3 F1



SACRYOA2436

SAFETYWARE Cryogenic Apron

Item Code	Colour	Size	Material	Protection	Unit
SACRYOA2436	Blue	24" x 36"	Proprietary ePTFE/	Cryogenic	EA
SACRYOA2442	Blue	24" x 42"	Laminated Nylon	Cryogenic	EA
SACRYOA2448	Blue	24" x 48"		Cryogenic	EA

- Made with proprietary ePTFE/Laminated Nylon which offers protection against cryogenic liquid with extremely low temperature
- With 3M™ Scotchlite™ Thinsulate™ Liner for enhanced performance
- Water-resistant and comes with an adjustable strap and buckle closure at waist and neck



SAFETYWARE Kevlar Twill Apron

Item Code	Colour	Size	Material	Protection	Unit
SAAKV2436	Yellow	24" x 36"	Kevlar	Cut Resistant	EA

- Made with 8 oz. DuPont™ Kevlar® twill fabric
- Offers excellent resistance against abrasion, cut, and puncture
- With cotton webbing straps and strap with slide snap at waist and neck



SAFETYWARE Stainless Steel Mesh Apron

Item Code	Colour	Size	Material	Protection	Unit
APRSS2124	Silver	21" x 24"	Stainless Steel Mesh	Cut Resistant	EA
APRSS2431	Silver	24" x 31"	Stainless Steel Mesh	Cut Resistant	EA

- Constructed from high quality stainless-steel mesh which each ring is individually welded for optimum performance
- Provides excellent protection against cuts and slashes
- Easy to clean and resistant to bacteria which make it ideal for food service and food processing

DISPOSABLE GARMENT

Safetyware



SAFETYWARE Disposable Isolation Gown

Item Code	Colour	Size	Material	Packing	Unit
ISOGOWN	Blue	Free	Non-woven 30g PP	10 pcs/ bag	BAG

- Made of non-woven 30 gram of polypropylene with neck and waist ties to ensure the gown remains securely in place
- It is breathable and the lightweight material that keeps you cool in hot environments
- ISOGOWN is very good in protection from light splashes and particulates
- Ideal for students in medical and dental school

PORTWEST



PORTWEST BizTex SMS Coat Type PB [6]

Item Code	Colour	Size	Material	Packing	Unit
ST31	White	L - XXL	BizTex SMS 55g	50 each/bag	BOX

- It provides a fluid and particulate barrier to protect the worker without sacrificing mobility and comfort
- Stud front closing

EN1149 EN 13034 **CE**

Other BizTex Microporous Products



ST44

BizTex Microporous Shoe Cover Type PB[6]



ST45

BizTex Microporous Boot Cover Type PB[6]



ST43

BizTex Microporous Sleeve Cover Type PB[6]



ST42

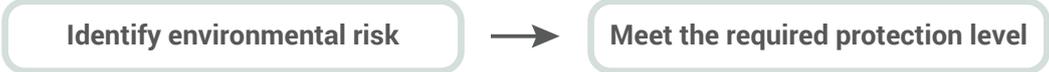
BizTex Microporous Apron Type PB[6]



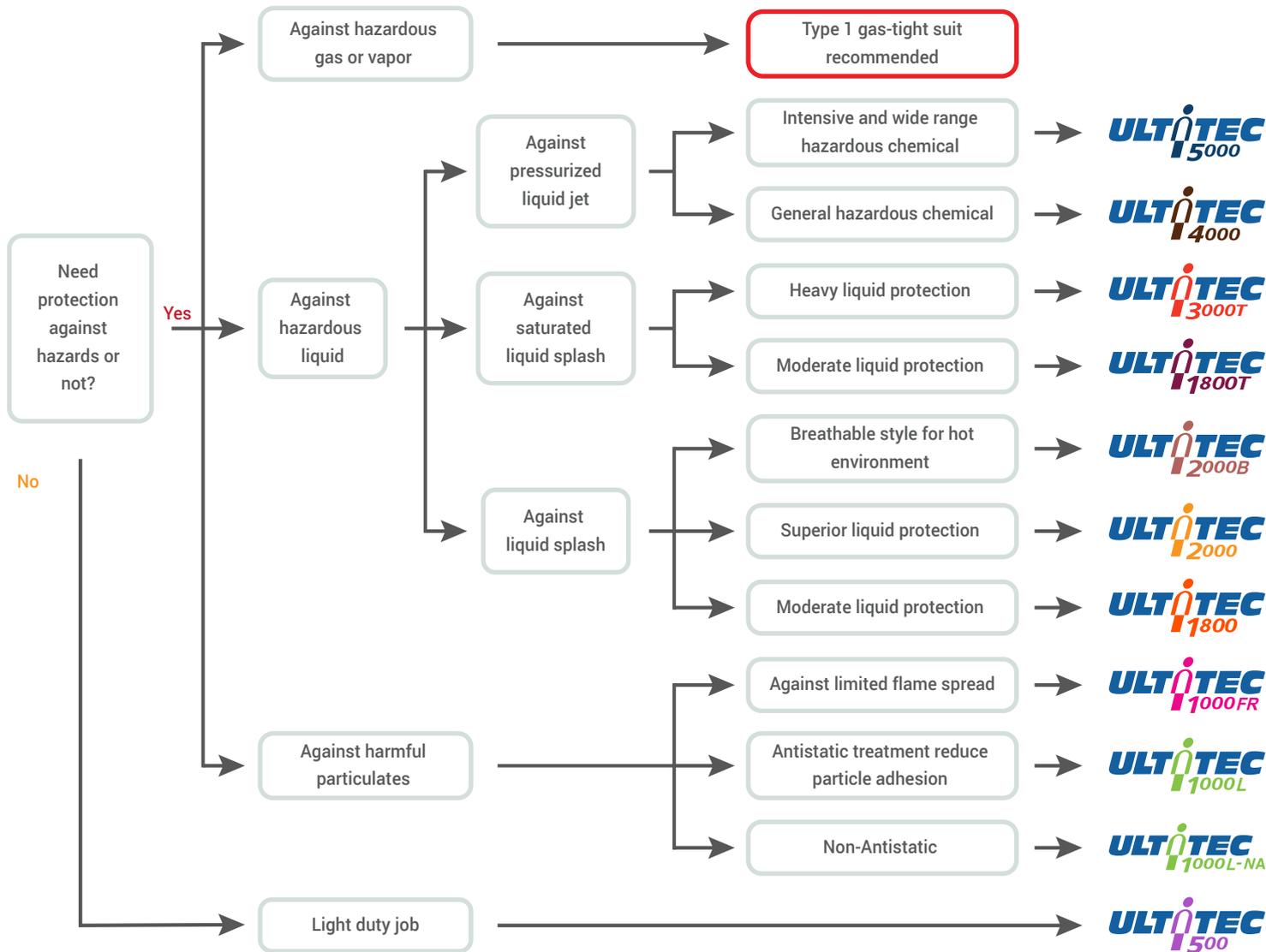
CHEMICAL RESISTANT

CHOOSE A PROTECTIVE CLOTHING

To choose appropriate protective clothing, firstly, you must identify potential risks or hazards in the working environment. After this, assess the equivalent protection level required protective clothing.



Selection Chart by Risk



Size Chart



SIZE	CHEST	HEIGHT
S	84 - 92 cm	162 - 170 cm
M	92 - 100 cm	170 - 176 cm
L	100 - 108 cm	176 - 182 cm
XL	108 - 116 cm	182 - 188 cm
2XL	116 - 124 cm	188 - 194 cm
3XL	124 - 132 cm	194 - 200 cm
4XL	132 - 140cm	200 - 2-6cm

CE Standard For Protective Clothing

Protective clothing is designed to resist various hazardous situations. Regulation (EU) 2016/425 indicates the categories of risk against which PPE is intended to protect users

Chemical protective clothing complies with Category III, which includes exclusively the risks that may cause very serious consequences such as death or irreversible damage to health. And the requested certification enumerate on the following explanation.



TYPE 1 EN 943-1

Gas tight suits
Protective clothing against dangerous solid, liquid and gaseous chemicals, including liquid and solid aerosols.



TYPE 3 EN 14605

Liquid tight suits
Suits which can protect against strong and directional jets of a liquid chemical such as spray from a burst pipe under pressure. Requires a barrier fabric and sealed seams.



TYPE 4 EN 14605

Spray tight suits
Suits which can protect against saturation of liquid chemical, where the volume of the liquid builds upon the suit forming pools, resulting in rivulets. Requires a barrier fabric and sealed seam.



TYPE 5 EN ISO 13982-1

Dry particle suits
Suits for protection against hazardous dry particles.



TYPE 6 EN 13034

Reduced spray suits
Suits for protection against light spray and splashes of liquid chemicals where there is no directional spray or build up of liquid on the suit, but there may be a fine mist of droplets in the atmosphere.



AGAINST RADIOACTIVE CONTAMINATION EN 1073-2

Protective clothing against particulate radioactive contamination.



ANTI-STATIC EN 1149-5

Protection against static electricity or charge decay



AGAINST BIOLOGICAL HAZARDS EN 14126

Protection against biological hazards and infective agents.



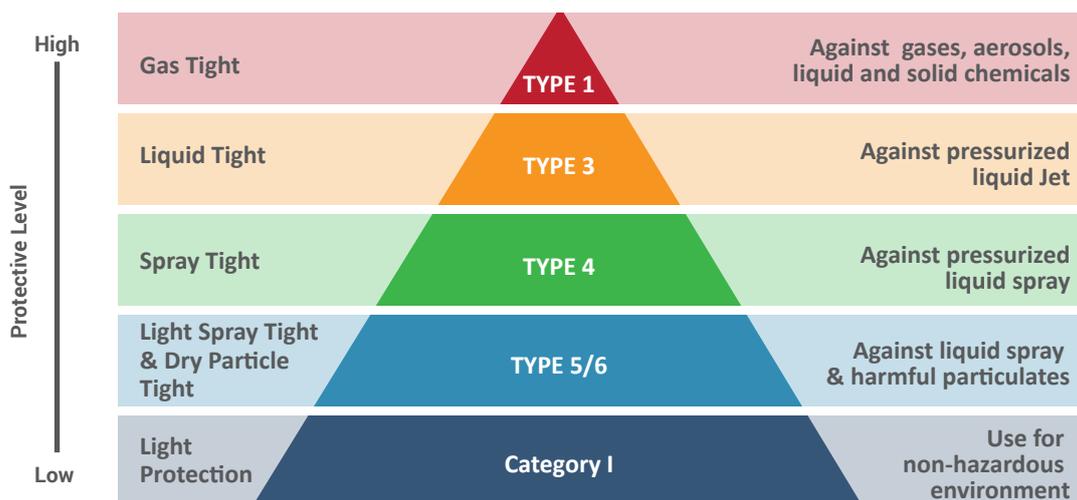
AGAINST LIMITED FLAME SPRAY PROTECTION EN ISO 14116

Limited flame spray materials, material assemblies, and clothing.



AGAINST PESTICIDES DIN 32781

Suits for protection against pesticides.



ULTITEC COMFORT DESIGN FOR USERS

- **Ergonomic body design**

3-piece hood with elastic and zipper fastened to the underside of chin perfectly embraces facial contours and head shape. It enables hood to stay well fit when wearing respirators and goggles.

Fully elasticated waist, ankles and elasticated wrists (special design for ULTITEC 500 to ULTITEC 3000T) are suitable for most body shapes. It makes the wearers more convenient in moving and unlike wearing a balloon.

- **Freedom of movement**

Ample crotch design provides more room and reduces pressure while squatting or crawling.

- **Latex-free elastic**

All non-latex elastics are sewn outside of the cuff to avoid skin allergy.

- **Sealed fit for safety** (special design for ULTITEC 4000 to ULTITEC 5000)

Additional chin strap covering non-symmetrical brim elastic to create a more effective fit for most facial contours.

All sewn seams are further secured by covering with chemical proof tape.

ULTITEC 500 to ULTITEC 3000T

Zipper fastens to underside of chin



Ample crotch



Elasticated ankles



3-piece hood



Elasticated wrists



Fully elasticated waist



ULTITEC 4000 to ULTITEC 5000

3-piece hood



Elasticated wrists with finger loop



Elasticated ankles



Extra chinstrap



Double layer storm flaps





Protection Rating

Poor	Moderate	Good	Excellent	Best
★☆☆☆☆	★★☆☆☆	★★★☆☆	★★★★☆	★★★★★




Light Protection Protective Clothing

Breathability
★★★★★

Liquid Protection
★☆☆☆☆

Particulate Protection
★☆☆☆☆

FEATURES

- Strong and durable fabric offers light protection for non-toxic environment.
- Designed to fit your body shape.
- CE Category I protective clothing.

APPLICATION

Civil Protection, Construction, Decorative Work, Food Processing & Packing.

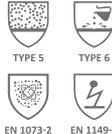



Dust & Liquid Spray Protective Clothing

Breathability
★★★★☆

Liquid Protection
★★☆☆☆

Particulate Protection
★★★★☆



FEATURES

- Superior barrier against harmful particulates.
- Increased durability but maintaining lightweight.
- Designed to fit your body shape.
- Antistatic (EN 1149-5) is optional.

APPLICATION

Asbestos, Construction, Grinding, Hazardous Dust, Metal Polishing, Mining Process, Powder Coating, Waste Cleaning, Sand blasting.




Dust, Liquid Spray & Flame Retardant Protective Clothing

Breathability
★★★★☆

Liquid Protection
★★☆☆☆

Particulate Protection
★★★★☆



FEATURES

- Prolong shelf life of high-priced flame resistant garments.
- Proven protection for limited flame spread and liquid spray.

APPLICATION

Gas & Oil, Metal Welding, Petrochemical, Railway, Utilities.




Oil & Liquid Splash Resistant Protective Clothing

Breathability
★★★★☆

Liquid Protection
★★★★☆

Particulate Protection
★★★★☆



FEATURES

- Proven protection of fabric performance against industrial chemicals.
- Breathable & comfortable.
- Low linting.

APPLICATION

Agriculture, Automotive, Biological Hazards, Cleaning Process, Construction, Chemical Plants, Petrochemical, Pharmaceutical, General Manufacturing, Wind Energy, Painting.



Premium Oil, Liquid Splash & Infective Agents Resistant Protective Clothing

Breathability



Liquid Protection



Particulate Protection



TYPE 5-B



TYPE 6-B



EN 14126



EN 1073-2



EN 1149-5



DIN 32781

FEATURES

- An effective barrier against blood, body-fluid and infective agents.
- Proven protection against pesticides.
- Breathable to work efficiently.
- Low linting.
- Targeted for ISO Class 6 and above cleanroom environment with controlled variables.

APPLICATION

Agriculture, Automotive, Biological Hazards, Disaster Management, Disease Control, Electronic Industries, Pharmaceutical, Petrochemical.



Comfortable Liquid Splash Resistant Protective Clothing

Breathability



Liquid Protection



Particulate Protection



TYPE 5



TYPE 6



EN 1073-2



EN 1149-5

FEATURES

- Designed for workplace where main liquid risks come towards the front of wearer.
- Prevents occupational heat exposure in workplace.

APPLICATION

Agriculture, Automotive, Cleaning Process, Construction, Electronic Industry, Food Industry, Petrochemical, Pharmaceutical, Painting, Steel Factory.



Premium Oil, Saturated Liquid Splash & Pesticide Resistant Protective Clothing

Breathability



Liquid Protection



Particulate Protection



TYPE 4-B



TYPE 5-B



DIN 32781



TYPE 6-B



EN 14126



EN 1073-2



EN 1149-5

FEATURES

- An effective barrier against blood, body-fluid and infective agents.
- Proven protection against pesticides.
- Breathable to work efficiently.
- Low linting.
- Sealed seam offers premium protection.

APPLICATION

Agriculture, Automotive, Biological Hazards, Chemical Plants, Disaster Management, Petrochemical, Pharmaceutical.



Chemical & Liquid Jet Resistant Protective Clothing

Breathability



Liquid Protection



Particulate Protection



TYPE 3-B



TYPE 4-B



TYPE 5-B



EN 14126



EN 1073-2



EN 1149-5

FEATURES

- Outstanding barrier against chemical hazards.
- Optimum protection & high identification.
- Lightweight & durable.
- Sealed seam offers premium protection.

APPLICATION

Biological Hazards, Chemical Handling, Decontamination, Disaster Management, Disease Control, Tank Cleaning, Petrochemical, Oil Refinery, Shutdown Maintenance.



High-level Chemical & Liquid Jet Resistant Protective Clothing

Breathability



Liquid Protection



Particulate Protection



TYPE 3-B



TYPE 4-B



TYPE 5-B



EN 14126



EN 1073-2



EN 1149-5

FEATURES

- Wide range chemical hazards protection.
- Unique design offers superior protection.
- Sealed seam offers premium protection.
- ULTITEC 5000 APP to calculate actual safe time.

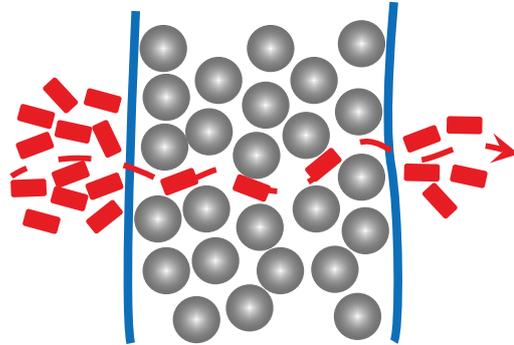
APPLICATION

Chemical Handling, Decontamination, Disaster Management, Petrochemical, Tank Cleaning, Oil Refinery.



WHAT IS PERMEATION?

Permeation is the process when a potential hazard chemical passes through a material on a molecular diffusion. Although there aren't any holes visible to naked eyes, there are still possibilities for chemical molecules to permeate through the fabric.



Chemical permeation test method

EU has recommended the following test methods:

1. EN 374-3: 2003 record the lowest BT and specifies a normalized permeation rate of $1.0 \mu\text{g}/\text{cm}^2/\text{min}$.
2. ISO 6529: 2001 (method A and B) specifies the mean BT to be reported at the normalized permeation rate of $1.0 \mu\text{g}/\text{cm}^2/\text{min}$ or $0.1 \mu\text{g}/\text{cm}^2/\text{min}$.
3. EN 16523-1:2015 determinates material resistance to permeation by chemicals, of which EN 374-3 was replaced.

Test result of chemical permeation resistance

There are two crucial parameters on the technical data sheet, PR and BT. They help us to classify the protection level of the test fabric.

Permeation Rate (PR) indicates the rate at which chemical is transferred, in micrograms, through one square centimeter in one minute. (Unit: $\mu\text{g}/\text{cm}^2/\text{min}$)

Breakthrough Time (BT) is the elapsed time between initial contact of chemical at outside of fabric and the specified permeation rate has been detected at inside of fabric. [Note*]

Performance classified by EN 14325

In Europe standard (as specified in EN 14325:2004) the result is classified into 6 classes based on the normalized breakthrough time (BT) is recorded when the permeation rate reach $1.0 \mu\text{g}/\text{cm}^2/\text{min}$.

Measured BT	CLASS
> 10 mins.	Class 1
> 30 mins.	Class 2
> 60 mins.	Class 3
> 120 mins.	Class 4
> 240 mins.	Class 5
> 480 mins.	Class 6



Fabric Permeation Data



Chemical	Physical State	CAS No.	Breakthrough Time	Class	Breakthrough Time	Class
Acetic Acid (>95%)	Liquid	64-19-7	12 mins	1		
Acetone	Liquid	67-64-1	Imm.	0	>480 mins	6
Acetonitrile	Liquid	75-05-8	Imm.	0	>480 mins	6
Ammonia (30%)	Liquid	7664-41-7	14 mins	1		
Ammonium Hydroxide (28%)	Liquid	1336-21-6	28 mins	1		
Benzene	Liquid	71-43-2	Imm.	0		
Carbon Disulfide	Liquid	75-15-0	Imm.	0	>480 mins	6
Chromic Acid (80%)	Liquid	7738-94-5	>480 mins	6		
Dichloromethane	Liquid	75-09-2	Imm.	0	>480 mins	6
Diesel Fuel	Liquid	68334-30-5	7 mins	0		
Diethylamine	Liquid	109-89-7	Imm.	0	>30 mins	2
Ethyl Acetate	Liquid	141-78-6	Imm.	0	>480 mins	6
Formaldehyde (10%)	Liquid	50-00-0	>480 mins	6		
Formic Acid (85%)	Liquid	64-18-6	>480 mins	6		
Hydrochloric Acid (37%)	Liquid	7647-01-0	15 mins	1		
Hydrofluoric Acid (40%)	Liquid	7664-39-3	>480 mins	6		
Hydrofluoric Acid (48%)	Liquid	7664-39-3	>480 mins	6	>480 mins	6
Hydrogen Peroxide (30%)	Liquid	7722-84-1	>480 mins	6		
Isopropyl Alcohol (70%)	Liquid	67-63-0	>480 mins	6		
Mercury (II) Chloride (sat)	Liquid	7487-94-7	>480 mins	6		
Methanol	Liquid	67-56-1	Imm.	0	>480 mins	6
Methyl Ethyl Ketone	Liquid	78-93-3	Imm.	0		
Methylamine (40%)	Liquid	74-89-5	19 mins	1		
Methylhydrazine	Liquid	60-34-4	2 mins	0		
N,N-Dimethyl Formamide	Liquid	68-12-2	>480 mins	6	>480 mins	6
n-Hexane	Liquid	110-54-3	Imm.	0	>480 mins	6
Nitric Acid (65%)	Liquid	7697-37-2	273 mins	5		
Nitrobenzene	Liquid	98-95-3	Imm.	0	>480 mins	6
Nitromethane	Liquid	75-52-5	Imm.	0		
Perchloric Acid (70%)	Liquid	7601-90-3	>480 mins	6		
Potassium Chromate (sat, 5%)	Liquid	7789-00-6	>480 mins	6		
Potassium Hydroxide (50%)	Liquid	1310-58-3	>480 mins	6		
Sodium Cyanide (10%)	Liquid	143-33-9	>480 mins	6		
Sodium Hydroxide (40%)	Liquid	1310-73-2	>480 mins	6		
Sodium Hydroxide (50%)	Liquid	1310-73-2			>480 mins	6
Sodium Hypochlorite (10-13%)	Liquid	7681-52-9	>480 mins	6		
Sulfuric Acid (98%)	Liquid	7664-93-9	>480 mins	6	>480 mins	6
Tetrachloroethylene	Liquid	127-18-4	Imm.	0	>480 mins	6
Tetrahydrofuran	Liquid	109-99-9	Imm.	0	>480 mins	6
Toluene	Liquid	108-88-3	Imm.	0	>480 mins	6
Unleaded Gasoline	Liquid	86290-81-5	Imm.	0		

Remarks:

1. The findings for Breakthrough Time are from laboratory tests.
2. Please note that Breakthrough Time is not equivalent to Actual Safe Time, as chemicals will have already started seeping through the fabric at the "breakthrough" point.
3. Variations such as chemical states, chemical temperature, and targeted working duration are keys to calculate Actual Safe Time and determining protective capabilities.
4. Above information are for reference purposes only. Please carry out a complete workplace risk assessment and consult your safety managers for the final decision.



C0600



HO600

DELTA PLUS Chemical PVC Overall & Chemical Protective Hood

C0600	Green	S - 3XL	EA
HO600	Green	One Size	EA

- Polyester support with double sided PVC 380 g/m² coating
- Sealed seams
- Complies with EN ISO 13688:2013, EN14605:2005+A1:2009 - EN1512 (Type 4) and EN1511 (Type 3).

C0600 Overall

- Chemical protective overall type 3, liquid-tight
- Raglan sleeves
- Zip fastening with studded cover flap and Velcro straps
- Fixed elasticated hood, elasticated at wrist and ankles

HO600 Hood

- Chemical protective hood type PB4, tight to chemical sprays protecting the head and the shoulders
- Visor and side air vents
- Indirect ventilation
- Rotor clamping system (patented)



C11XRDSAGRY



C12XRXB0GRY



C13XXXZ0GRY

SAFETYWARE Chemical Resistant Coverall, Jacket & Trouser

Item Code	Type	Colour	Size	Material	Unit
C11XRDSAGRY	Coverall	Grey (Standard)	S - 3XL	Treated Polyester	EA
C12XRXB0GRY	Jacket	Grey (Standard)	S - 3XL	Treated Polyester	EA
C13XXXZ0GRY	Trouser	Grey (Standard)	S - 3XL	Treated Polyester	EA

C11XRDSAGRY Coverall

- Cover pocket at both left and right side of the chest
- Side pocket (fake) at left side and right side
- Back patch pocket at both left and right side
- L shape patch pocket at left side
- Side pen holder
- Zip opening and elastic (only available for sleeve)

C12XRXB0GRY Jacket

- Cover pocket at both left and right side of the chest
- Button opening for easy access

C13XXXZ0GRY Trouser

- Zip opening for easy access



CR10



CR12

PORTWEST Chemical Resistant Jacket & Bib

Item Code	Type	Colour	Size	Material	Unit
CR10	Jacket	Epic Royal	S - 3XL	80% Polyester, 20% Cotton	EA
CR12	Bib	Epic Royal	S - 3XL	80% Polyester, 20% Cotton	EA

- Hard wearing durable twill fabric with excellent dye retention
- Bartacked at all stress points
- 50+ UPF rated fabric to block 98% of UV rays

CR10 Jacket

- Concealed stud front for easy access
- 3 pockets for ample storage 2 of
- Concealed mobile phone pocket
- Chest pockets
- Radio loop for easy clipping of a radio

CR12 Bib

- Constructed in a superior polyester cotton mix treated twill fabric for ultimate durability
- A secure construction method ensures maximum protection for the wearer



RESPIREX™



GTL001159



TYFB02040697



GTB20120803

RESPIREX Gas Tight Suit

Item Code	Style	Size	Colour	Shelf Life	Unit
GTL001159	Disposable	S - 2XL	Yellow	10 years	EA
TYFB02040697	Limited Life	S - 2XL	Green	10 years	EA
GTB20120803	Reusable	S - 3XL	Red	10 years	EA

- Fully encapsulating design to allow breathing apparatus to be worn inside the suit
- Heavy duty 122cm (48") long gas tight zip, fitted to the right hand side of the suit - flap with a hook and loop fastener fitted to cover the teeth of the zip
- Adjustable internal support belt and bat-wing sleeves for optimal wearer comfort
- Flexible, multi-laminated, anti-mist visor giving clear undistorted vision
- Seams welded and double taped for maximum performance
- Tested to EN464 prior to despatch for leak-tightness

GTL001159 RESPIREX Disposable Gas Tight Suit

- Seams welded and taped for maximum performance
- Kemblok™ chemically protective laminated glove welded to the suit material with a elasticated over sleeve to prevent splash entering the supplied neoprene outer gloves
- Integral socks with outer splash guards

TYFB02040697 RESPIREX Limited Life Gas Tight Suit

- Dual glove system consisting of a chemically protective laminated inner glove bonded to an outer neoprene glove for mechanical protection.
- Gloves fitted by means of Respirex locking cuff
- Integral socks with outer splash guards or Hazmax™ FPA safety boots - Exclusive to Respirex, these boots are highly chemically resistant and are CE marked to EN ISO 20345:2004 and EN345-2:1996
- Exhalation valves ensure that the pressure change within the suit does not exceed 400 pascals in one minute
- Pressure test required annually from year five or after each use

GTB20120803 RESPIREX Reusable Gas Tight Suit

- Fixed or detachable Hazmax™ FPA safety boots - Exclusive to Respirex, these boots are highly chemically resistant and are CE marked to EN ISO 20345:2004 and EN345-2:1996 or Integral socks with outer splash guards as an option
- Dual glove system consisting of a chemically protective laminated inner glove bonded to an outer neoprene glove for mechanical protection
- Gloves fitted using the Respirex Locking cuff or new SureLoc cuff mechanism, allowing the user to easily change the gloves when necessary
- Rigid double layer visor permitting clear undistorted vision
- Adjustable internal support belt enables wearers of varying sizes to use the suit comfortably
- Exhalation valves ensure that the pressure change within the suit does not exceed 400 pascals in one minute
- Optional pass-through fitted to enable supplementary air to be passed (via an airline) to the second-man attachment on the user's breathing apparatus
- Leak-tightness test to EN464 prior to dispatch
- Annual pressure test required



GENERAL WORKWEAR

We offers wide range of general workwear such as high visibility working jacket, high visibility working pant, cotton coverall, cotton coverall with reflective tape, Different types of apparel are needed to be used in different kinds of work situation. Therefore, we offer wide range of general workwear such as high visibility working jacket and Trouser, cotton coverall (with or without reflective tapes), lab coat, isolation gown, and many more.

These general workwears are suitable for various industrial applications. Our selection of workwear provides great comfort, flexibility and superb performance as our client's satisfaction is our utmost priority.

Personalization or customization of the safety apparel can be done to fulfil our client's need. That includes adding company logo or wording, additional reflective tapes and so forth. If you have more questions about the service, do not feel hesitate to contact our sales consultants and our team will be happy to guide you.



Economical Cotton Coverall

Item Code	Colour	Size	Material	Unit
COVERALL	Navy Blue, Sky Blue, Red, Orange, Yellow	S - 3XL	100% Cotton	EA

- Perfect to wear for general purpose industrial applications
- The 100% Cotton material offers good comfort, dexterity and performance
- Two large double chest pockets and banded collar for enhanced appearance
- Brass zipper and velcro
- Velcro fasteners at cuff and elastic waist for better fit



Colour Available

PORTWEST Cotton Boilersuit

Item Code	Colour	Size	Material	Unit
C811NAR	Navy Blue	XS - 4XL	100% Cotton 260gsm	EA
C811ORR	Orange	XS - 4XL	100% Cotton 260gsm	EA

- Made from 100% Cotton fabric for added comfort and breathability
- 50+ UPF rated fabric to block 98% of UV rays
- Twin stitching throughout, brass zips and several secure pockets
- 7 pockets for ample storage
- Action back for extra freedom of movement
- Rule pocket and two back patch pockets
- Two-way zip for quick and easy access
- Quick and easy side access



Colour Available



Cotton Jacket with Reflective

Item Code	Colour	Size	Material	Unit
CJACKETR	Navy Blue	S - 4XL	195gsm Cotton	EA

- 2 front chest pockets, swing pockets
- Heavy duty zipper opening
- Button fly front design
- 2" reflective tapes across arms and back



Colour Available

Cotton Coverall with Reflective

Item Code	Colour	Size	Material	Unit
C0195FUR	Navy Blue, Royal Blue, Red, Orange, Yellow	S - 7XL	100% Cotton 195gsm	EA

- Perfect to wear for general purpose industrial applications
- The 100% Cotton material offers good comfort, dexterity and performance
- Two large double chest pockets and banded collar for enhanced appearance
- Brass zipper and velcro
- Velcro fasteners at cuff and elastic waist for better fit



Preshrunk Cotton Coverall with Reflective

Item Code	Colour	Size	Material	Unit
CO195RS0	White, Navy Blue, Royal Blue, Red, Orange, Yellow	S - 7XL	100% Cotton 195gsm	EA
CO240RS0	White, Navy Blue, Royal Blue, Red, Orange, Yellow	S - 7XL	100% Cotton 240gsm	EA

- Made of 100% preshrunk cotton with 2" lime green reflective tapes across arms, legs and back
- It features brass zipper & velcro, two large double chest pockets, elastic waist, velcro fasteners at cuff
- It offers good comfort, dexterity, durability and enhanced visibility due to the reflective stripes



PORTWEST Krakow Jacket & Poznan Trouser

Item Code	Colour	Size	Material	Unit
CW10	Black/Red, Grey/Black, Navy Blue/Royal Blue	S - 3XL	100% Cotton 260g	EA
CW11	Black/Red, Grey/Black, Navy Blue/Royal Blue	S - 3XL	100% Cotton 260g	EA

- Made from 100% Cotton fabric for added comfort and breathability
- 50+ UPF rated fabric to block 98% of UV rays
- Hook and loop cuffs for a secure fit

CW10 Jacket

- 7 pockets for ample storage
- Phone pocket
- Concealed zip opening for added security
- Sleeve pocket
- Spacious pockets

CW11 Trouser

- 9 pockets for ample storage
- Knee pad pockets to facilitate knee pads
- Half elasticated waist for a secure and comfortable fit
- Twin-stitched seams for extra durability
- Two back pockets
- Double rule pocket





TX70

TX71



PORTWEST Hi-Vis Madrid Jacket & Seville Trousers

Item Code	Colour	Size	Material	Unit
TX70	Yellow/Navy Blue, Orange/Navy Blue	S - 3XL	65% Polyester, 35% Cotton 245g	EA
TX71	Yellow/Navy Blue, Orange/Navy Blue	S - 3XL	65% Polyester, 35% Cotton 245g	EA

- 50+ UPF rated fabric to block 98% of UV rays
- Contrast colouring for added style and reflective tape for increased visibility
- Twin-stitched seams for extra durability
- Premium stain resistant finish repels oil, water and grime
- Complies with RIS-3279-TOM ISSUE 1 (Orange Only), EN ISO 20471 Class 3

TX70 Jacket

- 4 pockets for ample storage
- Phone and pen holder pocket
- Hook and loop cuffs for a secure fit
- Registered European Community Design
- Side elastic waist for ultimate wearer comfort

TX71 Trousers

- 5 pockets for ample storage
- Knee pad pockets to facilitate knee pads
- Elasticated back waist for a secure fit
- Hook and loop hems for a secure fit



PORTWEST Hi-Vis Essential Fleece

Item Code	Colour	Size	Material	Unit
F250	Yellow, Orange	S - 3XL	100% Polyester, Anti-Pill Finish Fleece 250g	EA

- Anti-pill durable fleece fabric
- Reflective tape for increased visibility
- 50+ UPF rated fabric to block 98% of UV rays
- 2 side zip pockets for secure storage
- Elastic waist with toggle for a secure and comfortable fit
- Elasticated cuffs for a secure fit
- Complies with EN ISO 20471 Class 3, RIS-3279-TOM ISSUE 1 (Orange Only), EN 14058 Class 1



LCL9TDYBWHT

SAFETYWARE Plain Lab Coat

Item Code	Suitable For	Colour	Size	Material	Unit
LCL3TDTSWHT	Men	White	XS - 3XL	TC Drill	EA
LCL9TDYBWHT	Women	White	XS - 3XL	TC Drill	EA

- Long sleeves
- 2 patch pockets at bottom part
- 1 chest pocket at left side
- Snap button opening for easy access
- Custom made design available

RAINWEAR

Rainwear functions to keep the wearer dry and therefore, it is very handy to keep a rainwear around at any time of the year for your needs, whether you're working or doing leisure activities outdoor. We provide a selection of rainwear that is comfortable and stylish, yet lightweight and breathable.

There are a few ranges of rainwear that are bright in colours and come with reflective tapes to increase the wearer's visibility and presence especially when the wearer is working or walking in the dark. Other than conventional rainwear, we also provide rainwear with special feature such as flame retardant rainwears that are suitable for people working at environment with the risk of flash fire.

Safetyware



SHVRS190



SHVRC190

SAFETYWARE 190T Polyester Rain Suit / Rain Coat with Silver Reflective Stripes

Item Code	Style	Colour	Size	Material	Coating	Unit
SHVRS190	Rain Suit	Neon Green	M - 2XL	190T Polyester	PVC	EA
SHVRC190	Rain Coat	Neon Green	M - 2XL	190T Polyester	PVC	EA

- Drawstrings with pulls to tighten the hood
- 5 cm silver reflective stripes on arm, chest, and back which provide safety at night
- Cape ventilated back for breathability
- Underarm vents increased airflow for added comfort
- Elastic cuff
- Zipper front closure with snap on button closure storm flap for extra waterproofing & protection
- Snap on button are nonconductive, noncorrosive & rust proof
- 2 lower flap covered front pockets for storage and convenience

Trouser:

- Elasticated waist
- Reinforced crotch offers more strength and ease of movement



EN304JA



MA305JA

DELTA PLUS Rain Suit / Rain Coat

Item Code	Style	Colour	Size	Material	Coating	Unit
EN304JA	Rain Suit	Yellow	M - 3XL	Polyester	PVC	EA
MA305JA	Rain Coat	Yellow	M - 3XL	Polyester	PVC	EA

- EN ISO 13688:2013, EN343:2003 A1:2007
- Sealed seams
- Fixed hood
- Fastening with zip under press-studs flap
- Raglan sleeves
- Elasticated inside cuffs
- 2 pockets

Trouser:

- Elasticated waist
- Fly closed with press-studs
- Adjustable bottom of legs with press-studs
- 2 hand slits



S440



S441



PORTWEST Classic Rain Jacket & Trouser

Item Code	Colour	Size	Material	Unit
S440	Navy Blue, Grey, Olive Green, Orange, Black, Yellow	S - 3XL	100% Polyester, PVC Coated 210g	EA
S441	Navy Blue, Grey, Olive Green, Orange, Black, Yellow	S - 3XL	100% Polyester, PVC Coated 210g	EA

- Extremely water resistant fabric finish, water beads away from fabric surface
- 50+ UPF rated fabric to block 98% of UV rays
- The size is not applicable to all colour
- Waterproof keeping the wearer dry and protected from the elements
- Complies with EN 343 Class 3:1 (WP 5.000mm)

S440 Jacket

- 2 pockets for secure storage
- Pack away hood for added functionality
- Vented back yoke and eyelets for added breathability and comfort

S441 Trouser

- Fully elasticated waistband for ultimate wearer comfort
- Side access pockets
- Stud adjustable hems for a secure fit





F440



F441



PORTWEST Classic Iona Rain Jacket & Trouser

Item Code	Colour	Size	Material	Unit
F440	Navy Blue, Black	S - 3XL	100% Polyester, PVC Coated 210g	EA
F441	Navy Blue, Black	S - 3XL	100% Polyester, PVC Coated 210g	EA

- Lightweight, waterproof fabric with taped seams prevent water penetration and provide additional protection
- Extremely water-resistant fabric finish, water beads away from fabric surface
- Reflective tape for increased visibility
- Complies with EN 343 Class 3:1 (WP 5.000mm)

F440 Jacket

- 2 pockets for secure storage
- Front zip opening for easy access
- Pack away hood for added functionality
- Inner elasticated cuff
- Vented back yoke and eyelets for added breathability and comfort

F441 Trouser

- Elasticated waistband for ultimate wearer comfort
- Side access pockets
- Stud adjustable hems for a secure fit



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



FR41



FR43

**Sizes available for certain colours might vary*

PORTWEST Sealtex Flame Hi-Vis Jacket & Trouser

Item Code	Colour	Size	Material	Unit
FR41	Yellow, Orange	S - 3XL	100% Polyester, FR & Antistatic, PU Coated 260g	EA
FR43	Yellow, Orange	S - 3XL	100% Polyester, FR & Antistatic, PU Coated 260g	EA

- Waterproof with welded seams to prevent water penetration
- Heat-sealed reflective tape for added visibility
- Durable and stretchy with wipe clean finish
- Stud adjustable cuffs for a secure fit

FR43 Trouser

- Fully elasticated waistband for ultimate wearer comfort
- Complies with ANSI/ISEA 107-2015 SUPPLEMENTAL CLASS E, EN ISO 14116 Index 1, EN 1149 -5, EN 13034 Type 6, EN ISO 20471 Class 1, EN 343 Class 3:1

FR41 Jacket

- Two-way front plastic moulded zip for quick and easy access
- Concealed stud and zip fastening
- 2 pockets for secure storage
- Hood for added protection against the elements
- Complies with ANSI/ISEA 107-2015 TYPE R CLASS 3, EN ISO 14116 Index 1, EN 1149 -5, EN 13034 Type 6, EN ISO 20471 Class 3, EN 343 Class 3:1



COLD RESISTANT



Standard EN 14058 & EN 342



EN 14058 Protective Clothing - Garments For Protection Against Cool Environments

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



EN 342 Protective Clothing - Ensembles and Garments for Protection Against Cold

This standard gives the wearer protection against the cold environment. It specifies requirements and test methods for the performance of clothing ensembles (i.e. two-piece suits or coveralls) for protection against the effects of cold environments equal to or below -5°C.



**Sizes available for certain colours might vary*

PORTWEST Argyll Heavy Fleece

Item Code	Colour	Size	Material	Unit
F400	Navy Blue, Royal Blue, Slate Grey, Black, Green, Red	XS - 7XL	100% Polyester, Anti-Pill finish Fleece 400g	EA

- Heavyweight polar fleece with an anti-pill finish for added warmth and comfort
- Front zip opening for easy access
- Elasticated cuffs for a secure fit
- Drawcord adjustable hem
- Available in an excellent choice of corporate colours
- Generous fit for wearer comfort
- 50+ UPF rated fabric to block 98% of UV rays
- Complies with EN 14058 Class 2





S433



S482



*Sizes available for certain colours might vary

PORTWEST Iona Lite Jacket & Trouser

Item Code	Type	Colour	Size	Material	Unit
S433	Jacket	Navy Blue, Black	XS - 4XL	100% Polyester, 300D Oxford Weave, PU Coated 190g	EA
S482	Trouser	Navy Blue	XS - 2XL	100% Polyester, 300D Oxford Weave, PU Coated 190g	EA

- Abrasion resistant Oxford polyester
- Complies with EN 343 Class 3:1 (WP 15.000mm), EN 342 (0.349M². K/W (B). 2. X)

- S433**
- Waterproof keeping the wearer dry and protected from the elements and taped seams preventing water penetration
 - Quilt lined for thermal insulation
 - 6 pockets for ample storage
 - Storm flap front to protect against the elements
 - Two-way zip for quick and easy access
 - Drawcord hood and hem for a secure and comfortable fit

- S482**
- Taped seams to provide additional protection
 - Fully lined and padded to trap the heat and increase warmth
 - Fully elasticated waistband for ultimate wearer comfort
 - Stud adjustable hems for a secure fit
 - Extremely water resistant fabric finish, water beads away from fabric surface



CS12



CS10



CS11

PORTWEST Coldstore Coverall, Jacket & Trouser

Item Code	Type	Colour	Size	Material	Unit
CS12	Coverall	Navy Blue	S - 3XL	100% Breathable Polyester, Oxford Weave, Stain-Resistant Finish 150g	EA
CS10	Jacket	Navy Blue	S - 6XL	100% Breathable Polyester, Oxford Weave, Stain-Resistant Finish 150g	EA
CS11	Trouser	Navy Blue	S - 6XL	100% Breathable Polyester, Oxford Weave, Stain-Resistant Finish 150g	EA

- Abrasion resistant Oxford polyester
- Reflective tape for increased visibility and quilt lined for thermal insulation
- Concealed hook and loop fastening for easy closure
- Extremely water resistant fabric finish, water beads away from fabric surface
- Complies with EN 342 (0.454M². K/W (B). 2. X)

- CS12 Coverall**
- Included all features of CS10 & CS11

- CS10 Jacket**
- 6 pockets for ample storage included phone pocket
 - Two-way zip for quick and easy access
 - Drawcord adjustable waist for a comfortable fit
 - ID card holder for ID card display

- CS11 Trouser**
- 2 pockets for secure storage
 - Knee pad pockets to facilitate knee pads
 - Concealed zip opening for added security
 - Elasticated back waist for a secure fit



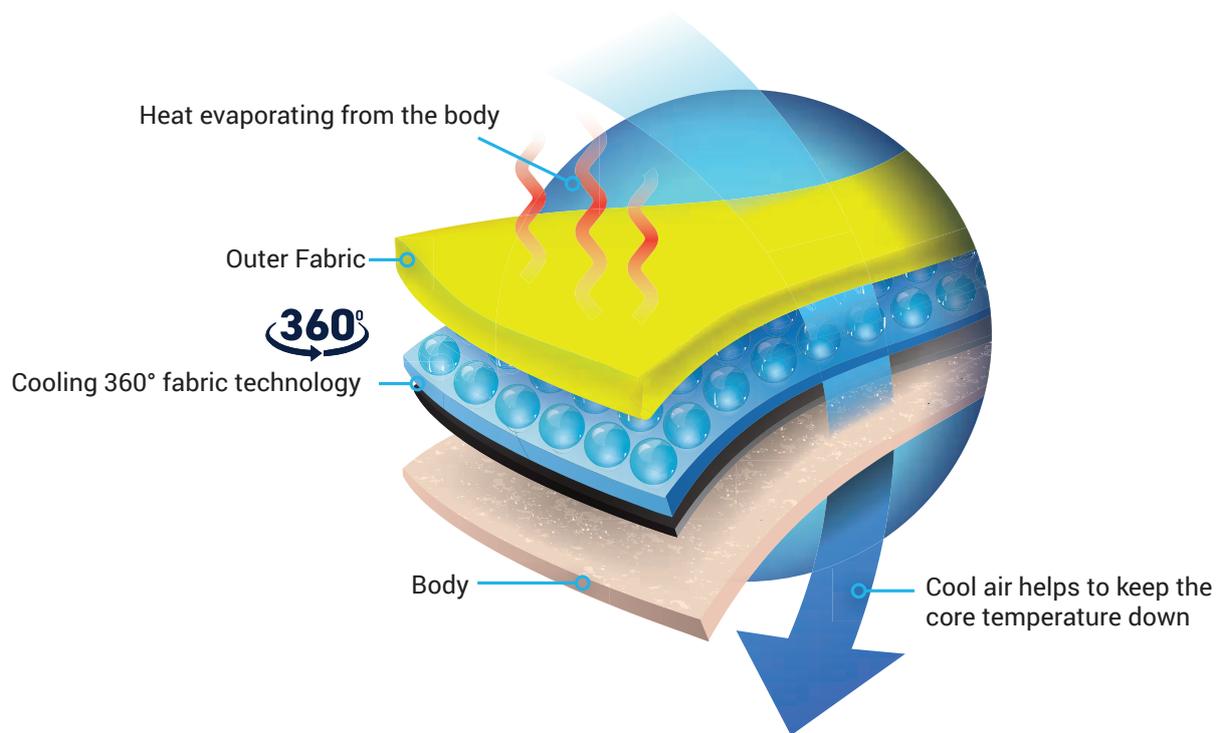
COOLING APPAREL



Cooling Apparel's Fabric

Portwest evaporative cooling products are constructed from Cooling 360° Fabric Technology which uses unique polymer chemistry. Simply activate by soaking in water creating a chemical reaction within the fabric which enables the garments to act like a sponge; retaining water, keeping the body cool in hot weather conditions.

Reduce Heat Stress & Keep Cool with the PORTWEST COOLING Range of Innovative Products



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



Step 1

Soak in cool water for 1-2 minutes



Step 2

Squeeze out excess water



Step 3

Keeps cool for up to 8 hours



Pen Pocket

PORTWEST Cooling Vest

Item Code	Colour	Size	Material	Unit
CV02	Yellow	S/M - 2XL/3XL	100% Polyester, Tricot 120g	EA

- Cooling mesh fabric for increased breathability
- Lightweight and comfortable
- 50+ UPF rated fabric to block 98% of UV rays
- Front zip opening for easy access
- Can be re-cooled in minutes which offers hours of cooling without compromising mobility
- Complies with EN ISO 20471 Class 2, ANSI/ISEA 107-2015 TYPE R CLASS 2



PORTWEST Cooling Crown with Neck Shade

Item Code	Colour	Size	Material	Unit
CV03	Orange/Blue	Universal	100% Polyester	EA

- Lightweight and comfortable
- Hook and loop fastening for easy attachment
- Wicking, cooling and drying capabilities
- Keeps wearer cool for up to 8 hours
- Soak in water to activate
- 50+ UPF rated fabric to block 98% of UV rays



CV04



CV05

PORTWEST Cooling Head Band & Neck Scarf

Item Code	Colour	Size	Material	Unit
CV04	Blue	Universal	100% Polyester, Bird Eye Knit	EA
CV05	Blue	One Size (950mm)	100% Polyester, Bird Eye Knit	EA

- Soak in water to activate
- Keeps wearer cool for up to 8 hours
- Wicking, cooling and drying capabilities
- Neck shade for added protection against UV rays
- 50+ UPF rated fabric to block 98% of UV rays



KYOUNGDO Air Cool Jacket

Item Code	Suitable for	Colour	Size	Material	Unit
KDA700A	Upper Body	Blue/Grey	Universal	Leather, Hose, Mesh	EA
KDA700B	Whole Body	Blue/Grey	Universal	Leather, Hose, Mesh	EA

- A vest filled with cool air from the vortex tube.
- Cool air formed by the vortex tube circulates the air hose buried among textures inside the vest and cools the upper body.
- There are holes spaced apart on the air hose so that the cool air comes out through them.
- The whole body type has the additional air hoses like thigh bands and cools down areas between thighs.
- Effective only with its vortex tube.



Link of Cooling Jacket

Link of Compressor Air Hose

KYOUNGDO Vortex Tube

Item Code	Colour	Material	Unit
KDA701	Blue	Nylon66, Aluminum, Steel	EA

- Ergonomic design (maximizing ease of use)
- Easy to link the vortex tube to the hose without snagging, due to its linear shape ("I" structure)
- Light-weighted but high performance
- Minimizing the possibility of burn from exhaust heat by improving the management of heat exhaust

HEAT & FLAME RESISTANT

Safetyware offers complete range of heat and flame resistant apparel to cater for every applications:



Flash Fire



Multi-Protection



Arc Flash



Radiant Heat



Welding



Fireman



Molten Metal



Fire Escape

About FR Fabrics

Treated FR versus Inherent FR

Treated Flame Retardant (FR) fabrics such as cotton, polycotton, polyester or cotton-nylon mixes are textiles applied with flame retardant chemicals in order to achieve flame retardancy. After the FR chemical treatment, these fabrics then possess self-extinguishing properties and are used to minimize the damage caused by an accident with heat and flame. Treated FR fabric/apparel which is tested & Complies with NFPA 2112 guarantees the FR performance to withstand a minimum of 100 industrial laundries while EN ISO 11612 conformance guarantees a minimum of 50 industrial laundries. Some of the notable brand names in the treated FR fabrics/apparel include SAFETYWARE FRPro, PORTWEST BizWeld & BizFlame, WESTEX Indura & UltraSoft, and KLOPMAN.

Advantages

- Low cost
- Can be more comfortable if it is made with natural material such as cotton
- Ideal for contractors handling short term project which last 2-4 months
- Normally available in a variety of fabric weight to choose from, ranging from 160gsm – 400gsm or even thicker

Disadvantages

- The treated FR is not permanent properties and it might be washed off after X number of washes.
- Quality of the treated FR fabric varies greatly, so it's important to procure treated FR apparel from established manufacturers

Inherent Flame Resistant (IFR) is made from a manmade fibre or a blend of fibres that is not flammable itself and possesses resistance to heat and flame. Inherent fibres are made by adding fire resistant compounds in the initial stage of fibre production, or that the fibre itself is developed as a flame resistant fibre. Inherent FR fabrics retain their FR resistance qualities for life and protection cannot be removed or washed away over time. Some notable brand names of Inherent FR fibres/fabrics/apparel include ArcArmor/BlazeArmor/MeltArmor fabric made of LENZING FR blend, Aramid fibre such as DUPONT Nomex and Modacrylic fibre such as Protex.

Advantages

- The FR properties are inherent and will not be washed away over time
- FR performance of Inherent FR fabric is generally superior to treated FR fabric
- Certain IFR fibres are blended with other high-performance fibres to offer even better protection such as in arc flash and molten metal splashes.
- Ideal for companies & users who wish to use their FR apparel for a longer period without worrying about the issue of diminishing FR performance.

Disadvantages

- Inherent FR fabric made of Aramid can be quite stiff and less comfortable to wear.
- The price of apparel made of Inherent FR fabric is higher when compared to treated FR fabric.

Flash Fire Protection



FRPro™ fabric is weaved by 100% pure natural cotton and treated with innovative & proprietary FR technology which not only makes FRPro™ to have excellent fire retardant properties but much more eco-friendly and harmless for both human body and production environment as well. Fire Retardant Clothing made of FRPro™ fabric is comfortable to wear, offers good moisture control, breathable and safe to skin. In addition, it offers excellent Colour retention and minimal wash shrinkage. It is the ideal choice for companies and contractors which require FR clothing at an economical price. The fabric is tested & Complies with and NFPA 2112 standard. The FR properties are guaranteed to withstand a minimum of 100 industrial laundries as per NFPA 2112 standard.



FR250CVL



FR250JKT



FR250PNS

SAFETYWARE FRPro™ Flame Retardant Cotton Apparel

Item Code	Type	Colour	Size	Material	Unit
FR250CVL	Coverall	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	FRPro™ 250gsm Treated FR Cotton	EA
FR250JKT	Jacket	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	FRPro™ 250gsm Treated FR Cotton	EA
FR250PNS	Trouser	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	FRPro™ 250gsm Treated FR Cotton	EA

- Made with FRPro™ which is 100% pure natural cotton treated with proprietary FR technology
- Comfortable to wear while providing good flame retardant performance
- With 50mm wide FR reflective stripes over shoulders, arms, and legs for enhanced visibility and safety
- FRPro™ fabric is tested and complies with NFPA 2112





Protex® is a high performance inherently flame-resistant self-extinguishing modacrylic fiber developed by KANEKA Japan. The inherent FR properties will not be washed or worn out. FR apparel made of Protex® blend fabric offers superior comfort as it is soft and offers very effective moisture management properties which improve air-permeability and sweat absorbency. The fiber is also chemically resistant to acids & alkalis. Protex® is a good lower-cost alternative to other inherent FR fabric. It is tested to EN ISO 11612 standard.



ADVANTAGES

Advantages 1 Inherently Flame Retardant

Kanecaron/Protex is an inherently flame retardant product in which the fiber resin itself contains the flame retardant ingredient. When the flame source is removed Protex has a self-extinguishing nature by which combustion stops immediately. Unlike FR treatments, there is no deterioration in flame retardancy after repeated washing or normal use over time.

Advantages 2 Melt-Resistant (Carbonization)

Kanecaron/Protex stops the spread of the fire and extinguishes it with the char barrier it forms when the flame source is removed. Unlike other thermoplastic fibers, such as polyester, Kanecaron/ Protex does not melt or form droplets that could stick to skin and cause injury.

Advantages 3 Highly Blendable

The superior properties of Kanecaron/Protex allow for blending with flammable fibers in various combinations to achieve a high level of FR performance.

Advantages 4 Easy Processing (Spinning, Dyeing, Molding)

Kanecaron/Protex can be blended with other fibers for intimate blending or in various fabric combinations. Cationic dyeing makes possible expressions of beautiful and long lasting Colour shades. In most cases, it can be processed under the same conditions as conventional acrylic fiber.

Advantages 5 Soft & Light

Kanecaron/Protex is light, warm, soft and flexible due to its unique fiber form.

Advantages 6 Chemical Resistant

Kanecaron/Protex exhibits superior chemical resistance against acid, alkaline, organic and inorganic chemicals and is used commonly in industrial materials.



PX240CVL



PX240JKT



PX240PNS



Colour Available

SAFETYWARE Protex™ Inherent Flame Resistant Apparel

Item Code	Type	Colour	Size	Material	Unit
PX240CVL	Coverall	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	240 gsm Protex®/Cotton blend	EA
PX240JKT	Jacket	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	240 gsm Protex®/Cotton blend	EA
PX240PNS	Trouser	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	240 gsm Protex®/Cotton blend	EA

- Made of Protex®/Cotton blend material which is inherently flame resistant
- Offers superior comfort as it is soft and very effective moisture management properties which improves air-permeability and sweat absorbency
- With 50m wide FR reflective stripes over shoulders, arms, and legs for enhanced visibility and safety
- The fabric is tested and complies with EN ISO 11612 and EN 1149-5



LENZING™ for Protective Wear

LENZING™ FR is a sustainably produced inherently flame resistant cellulosic fiber based on Lenzing's renowned Modal fiber production process. The inherent FR properties will not be washed or worn out. LENZING™ FR fiber offers superior fire-resistant properties and comfort. It enhances the breathability of the fabric which leads to a significant reduction of heat stress, a major concern especially in hot climates. LENZING™ FR fiber is commonly blended with other high performance fibers to produce unique protective fabric blend solution which provide optimum balance between functionality and comfort. FR apparel made of LENZING™ FR blend fabric offers superior protection against flash fire, arc flash, and molten splashes. The fabric is tested & Complies with EN ISO 11612, EN1149, NFPA 70E, ASTM F1959 and is UL listed.

KEY BENEFITS

Sustainable Production



Fully integrated pulp and fiber production at the Lenzing site in Austria makes it possible to produce LENZING™ FR fibers in an eco-responsible way. At Lenzing, we strive to safeguard resources for future generations by the use of renewable energy from pulp mill and by the recovery of remaining components as co-products. Numerous Lenzing innovations have been integrated in the production of LENZING™ FR fibers, to make the process environmentally sound. Dope-dyed LENZING™ FR fibers provide efficient ecological advantages substituting for the resource-intensive conventional dyeing process. This brings significant life cycle savings as well as a 60% reduced carbon footprint, resulting in a much lower environment impact compared to conventionally dyed fabrics.

Botanic Origin



LENZING™ FR fibers are inherently flame-resistant cellulose fibers produced using the Modal fiber production process. These fibers are mainly manufactured from beech wood, sourced from sustainably grown forests in Austria and neighboring countries. Beech wood forests are a natural and renewable source of raw material. A big share of the wood used at the Lenzing site comes from Austria, harvested from certified or controlled sources following the stringent guidelines of the Lenzing Wood and Pulp Policy.

Enhanced Breathability



Fabrics made from LENZING™ FR fibers support body temperature regulating properties through their moisture management. Derived from natural material, the microscopic fibrils of cellulosic fibers are structured to regulate the absorption and release of moisture, contributing to fabric breathability that supports the body's natural thermal regulation. LENZING™ FR cellulose fibers have a higher vapor uptake than cotton.

Colour Retention (LENZING™ FR fibers & Eco Colour Technology)



Colour pigment embedded in dope-dyed fiber retain long-lasting Colour vibrancy better than conventionally dyed fiber, and are less prone to fade even after repeated washing.

The Complete Solution



Oil & gas industry usage



Electric arc protection



Metal splash protection

LENZING FABRIC



- Improve comfort and reduce heat stress
- Excellent Flash Fire Protection
- Inherently Flame Resistant.
- FR properties cannot be removed by washing or wear
- Industrial launderable - very durable - excellent value. High colour fastness
- Blends can be reinforced with Para aramid-polyamide - formaldehyde free
- Numerous blends and weights
- Complies with EN ISO 11612, NFPA 2112 and EN 1449



- Superior Electric Arc and Flash Fire protection for different HRC level
- With lightweight options, ArcArmor performs well in a variety of climates
- Industrial launderable - very durable - excellent value. High colour fastness
- Complies with UL listed, EN ISO 11612, NFPA 70E, NFPA 2112, ASTM F 1959 and EN 1149



- Solutions for Ferrous Metals (Fe) and Non-Ferrous Metals (Cu, Zn, Al, etc)
- Effective protection in Primary Aluminium against the very aggressive Cryolite
- Inherently Flame resistant. FR properties cannot be removed by washing or wear
- Industrial launderable - very durable - excellent value
- Numerous blends and weights, Aluminized under development
- Complies with EN ISO 11612



LENZING™ for Protective Wear



BA170CVL



BA170JKT



BA170PNS



SAFETYWARE BlazeArmor 170 Lenzing FR Inherent Flame Resistant Apparel

Item Code	Type	Colour	Size	Material	Unit
BA170CVL	Coverall	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	BlazeArmor 170gsm Lenzing Blend	EA
BA170JKT	Jacket	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	BlazeArmor 170gsm Lenzing Blend	EA
BA170PNS	Trouser	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	BlazeArmor 170gsm Lenzing Blend	EA

- Made with 170gsm Lenzing FR blend material which has excellent flash fire protection
- Lenzing FR blend material is softer & more comfortable to wear while providing superior inherently flame retardant performance.
- Flame Retardant properties cannot be removed by washing or wearing
- With 50mm wide FR reflective stripes over shoulders, arms, and legs for enhanced visibility and safety
- Made with FR zipper, FR button, FR Velcro and FR thread
- BlazeArmor 170 fabric is tested and complies with EN ISO 11612, EN 1149-5 and NFPA 2112



ARC Flash Protection

The fabric that we used is one of the Lenzing™ FR products called ArcArmor. ArcArmor can provide an excellent Arc protection solution for arc flash apparels.



LENZING™ for Protective Wear



AA215CVL



AA215JKT



AA215PNS



SAFETYWARE ArcArmor 215 Lenzing FR Inherent Flame Resistant Apparel

Item Code	Type	Colour	Size	Material	Unit
AA215CVL	Coverall	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	ArcArmor 215gsm Lenzing Blend	EA
AA215JKT	Jacket	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	ArcArmor 215gsm Lenzing Blend	EA
AA215PNS	Trouser	Navy Blue, Royal Blue, Dark Green, Red, Orange, Yellow	S - 7XL	ArcArmor 215gsm Lenzing Blend	EA

- Made with ArcArmor 215gsm Lenzing FR blend material
- Offers one of the highest arc flash protection with ATPV 15 Cal/cm2 when compared to other FR apparel of similar weight
- Lenzing FR blend material is softer & more comfortable to wear while providing superior inherent flame resistant performance
- The FR properties cannot be removed by washing or heavy wearing
- With 50mm wide inherent FR reflective stripes over shoulders, arms, and legs for enhanced visibility and safety
- Made with FR zipper, FR button, FR Velcro and FR thread
- Complies with EN ISO 11612 (A1 ,B1,C1), NFPA 2112, NFPA 70E, ASTM F1959, EN 1149-5 and UL Listed





SAFETYWARE Arc Flash Kit

• Complies with EN ISO 11612, NFPA 2112, NFPA 70E, ASTM F1959, EN 1149-5 and UL Listed

8 CAL



**Level 2 Arc Flash Kit (8 cal/cm²)
ARCKIT08**

- Size: S - 7XL
- Arc Flash Coverall (8.7cal/cm²)
- Arc Flash Face Shield (11cal/cm²)
- Safety Helmet (Class E- proof tested at 20kV)
- FR Balaclava Hood (16cal/cm²)
- Goat-Grain Driver Gloves (41 cal/cm²)
- Premium reusable Ear Plugs with casing (NRR 27dB)
- Safety Glasses with anti-fog/scratch resistant coating (EN166 certified)
- Microfiber Bag for safety glasses
- Storage Bag for the whole kit

15 CAL



**Level 2 Arc Flash Kit (15 cal/cm²)
ARCKIT15**

- Size: S - 7XL
- Arc Flash Coverall (15 cal/cm²)
- Arc Flash Face Shield (26 cal/cm²)
- Safety Helmet (Class E- proof tested at 20kV)
- FR Balaclava Hood (16 cal/cm²)
- Goat-Grain Driver Gloves (41 cal/cm²)
- Premium reusable Ear Plugs with casing (NRR 27dB)
- Safety Glasses with anti-fog/scratch resistant coating (EN166 certified)
- Microfiber Bag for safety glasses
- Storage Bag for the whole kit

40 CAL



**BSD Level 4 Arc Flash Kit (40 cal/cm²)
4100410**

- Size: S - 3XL
- Long Jacket (41cal/cm²)
- Bib Overall (41cal/cm²)
- Arc Flash Gloves (40cal/cm²)
- Hood HRC 4 Power (40cal/cm²)
- Storage Bag for the whole kit



45 CAL



**Level 4 Arc Flash Kit (45 cal/cm²)
ARCKIT45**

- Size: S - 7XL
- Arc Flash Jacket & Bib Overall (45 cal/cm²)
- Arc Flash Hood (43 cal/cm²)
- Arc Flash Gloves
- Premium reusable Ear Plugs with casing (NRR 27dB)
- Safety Glasses with anti-fog/scratch resistant coating (EN166 certified)
- Microfiber Bag for safety glasses
- Storage Bag for the whole kit

55 CAL



**Level 4 Arc Flash Kit (55 cal/cm²)
ARCKIT55**

- Size: S - 7XL
- Arc Flash Jacket & Bib Overall (55 cal/cm²)
- Arc Flash Hood (55 cal/cm²)
- Arc Flash Gloves
- Premium reusable Ear Plugs with casing (NRR 27dB)
- Safety Glasses with anti-fog/scratch resistant coating (EN166 certified)
- Microfiber Bag for safety glasses
- Storage Bag for the whole kit

67 CAL



**Level 4 Arc Flash Kit (67 cal/cm²)
ARCKIT67**

- Size: S - 7XL
- Arc Flash Jacket & Bib Overall (67 cal/cm²)
- Arc Flash Hood (67 cal/cm²)
- Arc Flash Gloves
- Premium reusable Ear Plugs with casing (NRR 27dB)
- Safety Glasses with anti-fog/scratch resistant coating (EN166 certified)
- Microfiber Bag for safety glasses
- Storage Bag for the whole kit

100 CAL



**Level 4 Arc Flash Kit (100 cal/cm²)
ARCKIT100**

- Size: S - 7XL
- Arc Flash Jacket & Bib Overall (100 cal/cm²)
- Nomex/Kevlar Gloves (100 cal/cm²)
- Premium reusable Ear Plugs with casing (NRR 27dB)
- Safety Glasses with anti-fog/scratch resistant coating (EN166 certified)
- Microfiber Bag for safety glasses
- Storage Bag for the whole kit

Other Electrical Protection Products



Insulating & Leather Gloves
NOVAXCL4ORN & LPROTEHVBGE

Insulating Ladder
MP6242D

Static Discharge Stick
20817



* You can find more information about range of balaclava at Electrical Protection category

Molten Metals Splash Protection



LENZING™ for Protective Wear



MA320JKT



MA320PNS



Molten Metals

SAFETYWARE MeltArmor 320 Lenzing FR Inherent Flame Resistant Apparel

Item Code	Type	Colour	Size	Material	Unit
MA320CVL	Coverall	Navy Blue	S - 7XL	MeltArmor 320gsm Lenzing Blend	EA
MA320JKT	Jacket	Navy Blue	S - 7XL	MeltArmor 320gsm Lenzing Blend	EA
MA320PNS	Trouser	Navy Blue	S - 7XL	MeltArmor 320gsm Lenzing Blend	EA

- Solutions for Ferrous Metal (Fe) and Non-Ferrous Metals (Cu, Zn, Al, etc.)
- Effective protection in primary aluminium against the very aggressive Cryolite
- Lenzing FR blend material is softer & more comfortable to wear while providing superior inherently flame retardant performance.
- MeltArmor 320 fabric is tested and complies with EN ISO 11612 (D3, E2)



Bizflame Pro has been developed to provide full protection against the dangers of welding, flame & static electricity. It is constructed from 99% cotton, 1% carbon fibre, twill weave.

Key Benefit

The Bizflame Pro range of garments has been designed for performance and function while providing effective protection at all times. These styles have been independently tested and are perfect for the demands of the offshore and welding industry.



PORTWEST Bizflame Pro Hi-Vis Antistatic Flame Resistant Coverall

Item Code	Colour	Size	Material	Unit
BIZ7YNR	Yellow/Navy	S - 4XL	Bizflame Pro - 99% Cotton, 1% Carbon Fibre 330g	EA

- Protection against radiant, convective and contact heat
- Premium flame resistant reflective tape
- 8 pockets for ample storage
- Rule pocket
- Knee pad pockets to facilitate knee pads
- Concealed stud front for easy access
- 50+ UPF rated fabric to block 98% of UV rays
- Twin-stitched seams for extra durability
- Complies with EN 1149 -5, EN ISO 11612 (A1+A2. B1. C1. E3. F1), EN ISO 11611 Class 1 (A1+A2), EN ISO 20471 Class 3



Welding Protection



Bizweld is made from 100% ringspun cotton yarns offering excellent pilling resistance while guaranteeing comfort, warmth and protection for the wearer. The finish applied to the fabric ensures it will hold its flame resistant protective properties for at least 50 washes (EN standards) and 100 washes (US standards)

Bizweld fabric is independently tested & certified to exceed the international safety standards for flame and welding protection. This fabric is globally available and is worn with confidence by thousands of workers across the oil and gas, welding and allied industries. Below are the characteristics of the Bizweld:

- Bizweld is a proprietary, flame resistant, 100% high grade cotton fabric
- Outstanding flame-resistant performance exceeds international safety standards for flame & welding protection (EN ISO 11612 & EN ISO 11611)
- Provides exceptional protection against radiant, convective, contact heat and molten metal splashes
- Provides ARC 2 (11.2 cal/cm²) electric arc protection
- Outstanding results for burn injury prediction when tested to the optional test ISO 13506 under EN ISO 11612



BIZ1



BIZ2



BZ30



Colour Available

**Sizes available for certain colours might vary*

PORTWEST BIZWELD Flame Resistant Coverall, Jacket & Trouser

Item Code	Type	Colour	Size	Material	Unit
BIZ1	Coverall	Black, Navy Blue, Royal Blue, Bottle Green, Orange, Red, Grey	XS - 6XL*	Bizweld -100% cotton, FR finish 330g	EA
BIZ2	Jacket	Black, Navy Blue, Royal Blue, Bottle Green, Orange	XS - 5XL	Bizweld -100% cotton, FR finish 330g	EA
BZ30	Trouser	Black, Navy Blue, Royal Blue, Bottle Green, Orange	XS - 5XL*	Bizweld -100% cotton, FR finish 330g	EA

- Radio loop for easy clipping of a radio
- Stud adjustable cuffs for a secure fit
- 50+ UPF rated fabric to block 98% of UV rays
- Complies with EN ISO 11612 (A1+A2. B1. C1. E2. F1), EN ISO 11611 Class 1 (A1+A2), ASTM F1959/F1959M-12 (ATPV 11.2 CAL/CM2 (HAF = 80.4%))

BIZ1 Coverall

- Rule pocket, concealed phone pocket, 10 pockets for ample storage
- Concealed stud front for easy access

BIZ2 Jacket

- Chest pockets with stud closure
- Dual hazard protection
- 3 pockets for ample storage

BZ30 Trouser

- Rule pocket, side pockets
- Half elasticated waist for a secure and comfortable fit
- Twin-stitched seams for extra durability
- Dual hazard protection





*Sizes available for certain colours might vary

PORTWEST BIZWELD IONA Flame Resistant Coverall

Item Code	Colour	Size	Material	Unit
BIZ5	Black, Navy Blue, Royal Blue, Red, Orange	XS - 5XL	Bizweld -100% cotton	EA

- Guaranteed flame resistance for life of garment
- Protection against radiant, convective, contact heat and molten metal splash with class 2 welding protection
- Premium flame resistant reflective tape and knee pad pockets to facilitate knee pad
- Radio loops for easy clipping of a radio
- Concealed stud front for easy access and stud adjustable cuffs for a secure fit
- Complies with EN ISO 11612 (A1+A2. B1. C1. E2. F1), EN ISO 11611 Class 1 (A1+A2), ASTM F1959/F1959M-12 (ATPV 11.2 CAL/CM2 (HAF = 80.4%))



PORTWEST Leather Welding Jacket

Item Code	Colour	Size	Material	Unit
SW34	Golden Brown	M - 3XL	Split Cowhide Leather	EA

- Class 2 welding protection
- Concealed hook and loop fastening for easy closure
- Hook and loop cuffs for a secure fit
- Designed to be worn in a tough work environment
- Complies with EN ISO 11611 Class 2 (A1)



WELDAS STEERSOtuff® 40" Leather Chaps

Item Code	Colour	Size	Material	Unit
447440	Lava Brown	One Size	Side Split Cowhide	EA

- The STEERSOtuff® Lava Brown leather clothing line is Weldas' Premium leather clothing line constructed with high quality, durable, and pliable side split cowhide
- All leather seams are double lock stitched with high strength 5-ply KEVLAR® thread
- Stress points are reinforced with double leather or metal rivets





BLUE EAGLE Welding Blanket

Item Code	Colour	Weight	Size	Material	Unit
HTX600	Beige	600g/m ²	1500(L) x 890mm (W)	Silica	EA
HTX1000	Beige	1100g/m ²	1500(L) x 890mm (W)	Silica	EA

- To extinguish incipient (just starting) fires
- To protect equipment and the welder while welding
- Chemical, solvent and abrasion resistance
- Temperature tolerance is at 1600°C (melt temperature)

Other Welding Safety Products



SW33TAR

Welding Protection Hood



447023

Lava Brown Split Leather Sleeves



447142

Lava Brown Split Leather Apron



447106

Lava Brown Split Leather Shoes



BZ12NAR

Welding Protection Hood



BZ11NAR

Welding Protection Sleeves



SR591

Auto Darkening Welding Helmet



558668 & 556468

LAVAsield® Welding Screen

* You can find more information about range of welding on Eye & Face Protection, Hand Protection and Foot Protection category

Multi Protection

Bizflame Ultra is blended from 80% cotton, 19% FR polyester and 1% carbon fibre, 340g. The FR polyester content in Bizflame Ultra provides excellent abrasion, shrinkage and colour fastness. This fabric is tough enough to withstand the rigours of industrial laundry making it ideal for the offshore industry.



Key Benefits

- Bizflame Ultra has been developed to perform in the toughest conditions
- Ideal for industries such as oil and gas where durability is a must, Bizflame Ultra is certified to a range of EN standards offering optimum protection in a range of hazardous situations
- Styles in this range are metal-free, minimizing the risk of static electricity hazards and damage to surfaces



FR93



FR08



FR06



Colour Available

*Sizes available for certain colours might vary

PORTWEST Bizflame Ultra Coverall, Jacket & Trouser

Item Code	Type	Colour	Size	Material	Unit
FR93	Coverall	Grey, Navy Blue, Royal Blue, Red, Orange	S - 3XL	Bizflame Ultra 340g	EA
FR08	Jacket	Grey/Royal, Royal/Grey	S - 3XL	Bizflame Ultra 340g	EA
FR06	Trouser	Grey/Royal, Royal/Grey	S - 3XL	Bizflame Ultra 340g	EA

- Protection against radiant, convective, contact heat and metal splash
- 100% Metal free
- Industrial laundry wash 75°C and tunnel dry 155°C
- Sew on flame resistant industrial wash tape
- 50+ UPF rated fabric to block 98% of UV rays
- Complies with EN ISO 11612 (A1+A2, B1, C1, E2, F1), EN ISO 11611 Class 1 (A1+A2), EN 1149 -5, IEC 61482-2 IEC 61482-1-2 Class 1, EN 13034 Type PB [6], ASTM F1959/F1959M-12 (ATPV 16 CAL/CM2 (HAF 83.7%))

FR93 Coverall

- Include all features of FR08 and FR06
- 10 pockets for ample storage
- Guaranteed flame resistance for life of garment
- Two-way zip for quick and easy access
- Shoulder pad pockets for extra protection around the shoulder area
- Texpel stain resistant finish repels dirt and stains

FR06 Trouser

- Two tier knee pad pockets allowing two positioning options
- 8 pockets for ample storage
- Adjustable hem to accommodate all leg lengths
- Side elastic waist for ultimate wearer comfort

FR08 Jacket

- Curved back hem for added protection
- Radio loops for easy clipping of a radio
- Hook and loop cuffs for a secure fit
- External standards label for quick identification of protection levels
- 5 pockets for ample storage



ANTI-STATIC
MODAFLAME™
 FLAME RESISTANT

Modacrylic fibres provide inherent flame resistance, excellent dimensional stability and high elastic properties which allow garments to retain their shape. It is constructed from 60% modacrylic, 39% cotton and 1% carbon fibre. High cotton content gives the fabric comfort, warmth and a soft handle. Carbon fibre woven into the fabric gives inherent anti static properties.

Key Benefits

- Inherently flame resistant
- Certified to multiple international standards, the Modaflame range offers guaranteed safety in the workplace
- Quality workmanship combined with premium fabric ensure the garments maintain their new look wear after wear
- The garments in the Modaflame range are stylish and practical



MV28



MV25



MV26

PORTWEST Hi-Vis Multi-Norm FR Coverall, Jacket & Trouser

Item Code	Type	Colour	Size	Material	Unit
MV28	Coverall	Yellow/Navy	S -5XL	Modaflame 280g	EA
MV25	Jacket	Yellow/Navy	S - 3XL	Modaflame 280g	EA
MV26	Trouser	Yellow/Navy	S - 3XL	Modaflame 280g	EA

- Inherent flame resistant qualities will not diminish with washing
- **Stock with EN 13034 due in early 2020**
- 50+ UPF rated fabric to block 98% of UV rays and protect against radiant, convective and contact heat
- Class 2 Welding Protection
- Sew on flame resistant industrial wash tape
- Complies with AS/NZS 1906.4:2010, EN 1149 -5, EN 13034 Type 6, EN ISO 11612 (A1+A2. B2. C1. F1), EN ISO 11611 Class 1 (A1+A2) IEC 61482-2 IEC 61482-1-2 Class 1, ASTM F1959/F1959M-12 (ATPV=8.4 Cal/CM2 (HAF=75.8%))

MV28 Coverall

- Include all features of MV25 and MV26
- 8 pockets for ample storage
- Side elastic waist for ultimate wearer comfort
- Action back for extra freedom of movement
- Complies with EN ISO 20471 Class 3

MV25 Jacket

- Concealed stud and zip fastening
- Radio loop for easy clipping of a radio
- Hook and loop cuffs for a secure fit
- 4 pockets for ample storage
- Concealed phone pocket and side pockets
- Bio motion tape pattern to improve recognition of human shape at distance
- Complies with EN ISO 20471 Class 2

MV26 Trouser

- Two tier knee pad pockets allowing two positioning options
- Triple-stitched seams for extra durability
- 9 pockets for ample storage
- Concealed phone pocket
- Elasticated back waist for a secure fit
- Spacious pockets and rule pocket
- Two back patch pockets
- Complies with EN ISO 20471 Class 1



Other Flame Resistant Apparels



Modaflame Knit is constructed from an inherently fire resistant yarn of 60% modacrylic, 39% cotton and 1% carbon fibre. The ability to withstand heat and protect against the danger caused by static electricity. As we know Bizflame, Moadafame also another material that provides flame resistant with lightweight and comfortable.

The Modaflame HVO Knit range is strong, durable and highly innovative. It is constructed from 66% Modacrylic, 32% Polyester and 2% Carbon Fibre. This fabric has the ability to withstand heat and flame and protect against the danger caused by static electricity and flame. These inherent flame resistant properties will not diminish with repeated washing.



FR10

FR11



*Sizes available for certain colours might vary

PORTWEST Flame Resistant Anti-Static Long Sleeve Polo Shirt and T-Shirt

Item Code	Colour	Size	Material	Unit
FR10	Navy Blue, Black, Grey	XS - 5XL	Modaflame Knit 200g	EA
FR11	Navy Blue, Black, Grey	XS - 5XL	Modaflame Knit 200g	EA

- 50+ UPF rated fabric to block 98% of UV rays and outstanding Colour fastness and shrinkage results
- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Inherent flame resistant qualities will not diminish with washing; flame resistant ribbed cuff for added safety, warmth and comfort
- Complies with EN 1149 -5, EN ISO 11612 (A1. B1. C1. F1), IEC 61482-2 IEC 61482-1-2 Class 1, ASTM F1959/F1959M-12 (EBT = 4.3 CAL/CM2 (HAF = 66%))



FR74



FR76

PORTWEST FR Anti-Static Polo Shirt

Item Code	Colour	Size	Material	Unit
FR74	Yellow/Navy	S - 4XL	Modaflame Knit 210g	EA
FR76	Orange	S - 3XL	Modaflame HVO Knit 220g	EA

- Inherent flame resistant qualities will not diminish with washing
- Premium sew on flame resistant reflective tape and ribbed cuffs for warmth and comfort
- 50+ UPF rated fabric to block 98% of UV rays

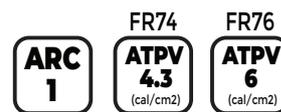
FR74 Polo Shirt

- High cotton content for superior comfort
- Concealed button closure
- Contrast colouring for added style
- Complies with EN 1149 -5, EN ISO 11612 (A1. B1. C1. F1), IEC 61482-2 IEC 61482-1-2 Class 1, EN ISO 20471 Class 2, ASTM F1959/F1959M-12 (EBT = 4.3 CAL/CM2 (HAF = 66%))



FR76 Polo Shirt

- 100% Metal free
- Retains shape wear after wear
- Registered European Community Design
- Complies with EN ISO 11612 (A1. B1. C1. F2), EN 1149 -5, EN ISO 20471 Class 3, IEC 61482-2 IEC 61482-1-2 Class 1, IEC 61482-2 IEC 61482-1-1 (ATPV 6 CAL/CM2 (HAF 71.7%)), RIS-3279-TOM ISSUE 1 (Orange Only)





Colour Available

PORTWEST Bizflame 88/12 FR Shirt

Item Code	Colour	Size	Material	Unit
FR89	Navy Blue, Grey	S - 5XL	Bizflame 88/12 237gsm	EA

- Protects against radiant and convective heat
- Dual hazard protection
- 50+ UPF rated fabric to block 98% of UV rays
- 2 pockets for secure storage
- Button cuffs for a secure and comfortable fit
- Lightweight and comfortable
- Shirt tail hem stays tucked in
- Complies with ASTM F1959/F1959M-12 (ATPV 8.2 CAL/CM2 (HAF 69.1%)), ASTM F1506-10a, NFPA® 2112, NFPA® 70E, EN ISO 11612 (A1+A2. B1. C1)



Colour Available

PORTWEST Bizweld FR Cargo Pant

Item Code	Colour	Size	Material	Unit
BZ31	Navy Blue, Grey	S - 5XL	Bizweld 330gsm	EA

- Dual hazard protection
- 7 pockets for ample storage
- Rule pocket and concealed phone pocket
- Elasticated back waist for a secure fit
- 50+ UPF rated fabric to block 98% of UV rays
- Complies with ASTM F1959/F1959M-12 (ATPV 11.2 CAL/CM2 (HAF = 80.4%)), ASTM F1506-10a, NFPA® 2112, NFPA® 70E, EN ISO 11611 Class 1 (A1+A2), EN ISO 11612 (A1+A2. B1. C1. E2. F1)



PORTWEST Flame Resistant Anti-Static Hi-Vis Fleece

Item Code	Colour	Size	Material	Unit
FR31	Yellow/Navay	S - 3XL	Modaflame Knit 280g	EA

- Inherent flame resistant qualities will not diminish with washing
- Protects against radiant and convective heat
- Premium flame resistant reflective tape
- Elasticated cuffs for a secure fit
- 50+ UPF rated fabric to block 98% of UV rays
- Drawcord adjustable hem
- 2 pockets for secure storage
- Fornt zip opening for easy access
- Contrast colouring for added style
- Complies with AS/NZS 4602.1:2011 Class D/N, EN 1149 -5, IEC 61482-2 IEC 61482-1-2 Class 1, EN ISO 11612 (A1. B1. C2), EN ISO 20471 Class 3

Other Flame Resistant Products



FR09

Modaflame Anti-Static Balaclava



FR20



SK20

Modaflame FR Sock

* You can find more information about range of balaclava at Eye & Face Protection category

Radiant Heat Protection

Radiant heat is the highest heat temperature can be found in the industry that uses to molten some metal such as steel, aluminium, etc. Human difficult to stay close to it and may easily get a burn on the skin. Perfectly aluminized heat protection clothing is supplemented with gloves and protective headgear.

User is protected against dangers caused by radiant heat and contact heat.

Radiant Heat

High ambient temperature without direct contact to heat source with the PPE

Contact Heat

Direct contact to the heat source (flying sparks or hot slog)



POSSIBLE CONSEQUENCES OF OVERHEATING DURING WORK EXPOSED TO HEAT

Additional Burden

- Heat
- Work
- Bad PPE

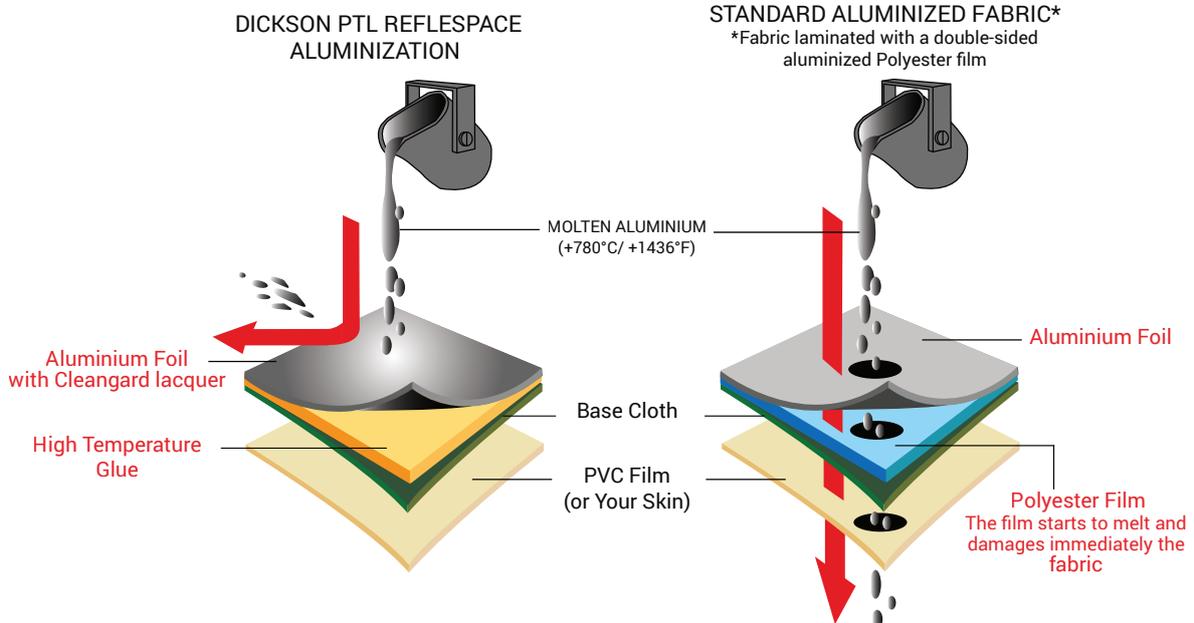
Possible Health Effects

- Inability to properly regulate body temperature
- Cardiac and circulatory problems
- General well-being
- Heat fatigue
- Stress on the cardiovascular system
- Heat stroke / Muscular cramps
- Hyperthermia
- Organ malfunction
- Death



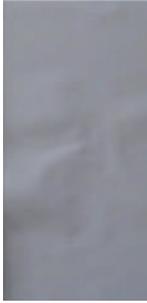
Reflespace® Aluminization

- An innovative technology to laminate aluminium foil without polyester film
- Excellent behaviour to ferrous and non-ferrous molten metal splashes
- Outstanding mechanical resistance
- Does not melt in contact with flames, heat and molten metals
- Cleangard lacquer: protects and enhances the aluminium reflectance efficiency
- Complies with ISO 11612 and NF EN 407





REFLESPACE
Aluminization film/Para-aramid base cloth



PVC FILM
(Simulating to human skin)

Test* for

Splashes of molten aluminium
Placing the fabric at 45° pour 780°C molten aluminium at certain quantity to see the damage of PVC film underneath

*This test has been conducted in Dickson PTL internal lab

Traditional Aluminized Fabric
(Double aluminium foil with polyester film in between)



Aluminization with polyester film/Para-aramid base cloth



PVC FILM
(Simulating to human skin)

Material Specifications

	4585 515gsm Aluminized Carbon-Aramid Fabric	5340 135gsm Aluminized Polyester Film	5451 580gsm FR Viscose Black
Base cloth	Carbon-aramide	Fiberglass	FR Viscose Black
Total weight (NF EN ISO 4674-1)	515 g/m ² ±30 [≈ 15.19 oz/yd ² ± 0.9]	135 g/m ² ±5 [≈ 3.98 oz/yd ² ± 0.15]	580 g/m ² ±50 [≈ 17.11 oz/yd ² ± 1.47]
Width	1500mm [59 inches]	1500mm [59 inches]	1500mm [59 inches]
Tear strength (NF EN ISO 4674-1)	Warp ≥ 8 daN Weft ≥ 9 daN	Warp ≥ 2 daN Weft ≥ 3 daN	Warp ≥ 6 daN Weft ≥ 6 daN
Thickness (NF EN ISO 2286-3)	0.75 mm ± 0.06	0.13 mm ± 0.02	0.90 mm ± 0.05
Certification (NF EN ISO 11612)	A1 B1 C3 D3 E3 F1	A1 B1 C4	A1 B1 C3 D2 E3 F1
Protection	★★★★★	★★★★☆	★★★★☆



💡
VC580 = 580GSM ALUMINIZED CARBON-ARAMID FABRIC
CA515 = 515GSM ALUMINIZED VISCOSE FR FABRIC



SAFETYWARE Aluminized Heat Protection Hood
VC580HODSIL / CA515HODSIL

- For head, throat, neck and chest protection
- Flexible fabric
- High heat reflection
- Heavy duty
- Easy to use



SAFETYWARE Aluminized Heat Protection Jacket
VC580JKTSIL / CA515JKTSIL

- Flexible fabric
- Very pleasant wearing comfort
- High heat reflection
- Insulated snaps, stand-up collar, hook-and-loop fastener



SAFETYWARE Aluminized Heat Protection Apron
VC580APRSIL / CA515APRSIL

- Lightweight and comfortable
- Heavy duty and washable
- White PVC reflective tape for increased
- Hook and loop closure for easy access
- Generous fit for wearer comfort



SAFETYWARE Aluminized Heat Protection Trousers
VC580PNSSIL / CA515PNSSIL

- Flexible fabric
- Very pleasant wearing comfort
- High heat reflection
- Insulated snaps, hook-and-loop fastener, belt loops



SAFETYWARE Aluminized Heat Protection Gaiters
VC580GAISIL / CA515GAISIL

- Easy to use
- Resistant to flying sparks
- With hook-and-loop fastener
- Length of 20 cm to 70 cm
- Adjusted to shoe sizes on request



SAFETYWARE Aluminized Heat Protection Coat
VC580LCLSIL / CA515LCLSIL

- Flexible fabric
- Very pleasant wearing comfort
- High heat reflection
- Insulated snaps, stand-up collar, hook-and-loop fastener

Fire Fighting Protection



KANOX Fireman Suit

Item Code	Colour	Size	Overall Weight	Fabric	Unit
TK12GA01	Orange	S - 3XL	3.0kg	Outer shell : Mazic® FM02 Moisture barrier : PTFE/Aramid spunlace Thermal layer : Kanox® F70SL quilt with Mazic® FV06	EA

Coat

- Reinforcement on shoulder, elbow, and sleeve end
- buffer designed armpit
- Anti-wicking fabrics at sleeve end and coat hem
- Fire resistant wristlet with thumb hole
- Two patch pockets with flap & draining hole
- Radio pocket, utility loops for torch and microphone

Trouser

- Waist size adjustable by velcro
- Hem at leg bottom curved upwards at heel area
- Knees and leg hem reinforcement
- Four or two points suspenders



Other Fire Fighting Products



TK09FM01KHGW
Firemen Hood



121003121
Firemen Helmet



SCBA845
SCBA



JKKRFSMANBL
Firemen Gloves



9687L000YLB
Firemen Boots



TL281
Fire Axe



SAFETYWARE FIRE FIGHTING KIT ITEM CODE: FFAKIT

Comes with

- Firemen jacket (Triple Layer)
- Firemen Trouser (Triple Layer)
- Firemen boots
- Firemen hood
- Firemen gloves (Triple Layer)
- Firemen helmet
- Metal cabinet.

Description

- Specially tailored to fulfill the requirement of industrial sectors.
- The components in the kit are carefully sourced from some of the world's biggest brand names in the fire protection industry.
- Certified to international safety standards which include US NFPA and European CE

* You can find more information about range of fire fighting products on Fire Protection category



HIGH VISIBILITY

Safetyware Hi-Viz Safety Vest is the safety gear to keep the wearer visible to others when in any occupational. Moreover, standards for safety vests are no different. But the most important is implementing to protect emergency responders raising their visibility to coworkers. By the selection guide below can help you select your ideal combination to create your safety vest.

Design Selection Guideline

CUSTOM MADE SIZE, LENGTH & ADDITIONAL SERVICES AVAILABLE

Step 1 SV

Code for safety vest is **SV**.

Step 2 Pattern

Code for reflective tape pattern.

- 00 No Reflective Safety Vest
- 01 No Reflective Safety Vest With Back Meah
- 1R 1 Horizontal
- 2R 2 Horizontal
- 3R 1 Horizontal + 2 Vertical
- 4R 2 Horizontal + 2 Vertical
- 34 2 Reflective Front Shoulder + 1 Horizontal (Upper Waist Pocket) + 1 Horizontal (Bottom Waist Pocket)
- 69 2 Horizontal + 2 Vertical + 2 Horizontal 2cm Photoluminous Tape (Front & Back)

Step 3 Reflective Tape

Code for reflective tape material.

- 1 2-inch W-style White PVC Reflective Tape
- 2 2-inch W-style Yellow PVC Reflective Tape
- 3 2-inch W-style Orange PVC Reflective Tape
- 4 2-inch Silver Reflective Tape (T/C Back)
- T REFLOMAX TRG501 Diamond Pattern White PVC Reflective Tape
- 6 Lime Orange + Silver + Lime Orange
- 7 Lime Yellow + Silver + Lime Yellow
- S 2-inch Silver/ Photoluminous Reflective Tape
- P 2cm Photoluminous Tape
- X Without Reflective Tape

Step 4 Material

Code for fabric material.

- K Polyester Knit
- M Polyester Mesh
- T TC Drill

Step 5 Accessories

Code for accessories on the vest.

- N Front Name Tag Holder
- P Front Pen Holder
- X Without Accessories

Step 6 Closure

Code for closure material.

- V Velcro
- Z Zip
- N Nickel Button

Step 7 Pocket

Code for number of pocket attach.

- 0 No Patch Pocket
- 1 1 Patch Pocket
- D 2 Patch Pockets
- T 3 Patch Pockets
- F 4 Patch Pockets

Step 8 Colour

Code for vest's colour.

- ORN Orange
- YLW Yellow
- NBL Navy Blue
- RED Red
- BLK Black

Step 9 Size

Code for size available.

- SM Small
- MD Medium
- LG Large
- XL Extra Large
- 2XL 2 Extra Large
- 3XL 3 Extra Large
- 4XL 4 Extra Large
- 5XL 5 Extra Large

EXAMPLE
YOUR ART NO:
SV4R4KZ0YLWMD



SV2R1KV0



SV4R1KV0



SAFETYWARE Eco Series Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
SV2R1KV0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal PVC Reflective Tape	Velcro	EA
SV4R1KV0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal + 2x Vertical PVC Reflective Tape	Velcro	EA

- Lightweight and comfortable
- Heavy duty and washable
- White PVC reflective tape for increased visibility in day and night
- Hook and loop closure for easy access
- Generous fit for wearer comfort



SV2R4KZ0



SV4R4KZ0



SAFETYWARE Works Series Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
SV2R4KZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal Silver T/C Reflective Tape	Zipper	EA
SV2R1KZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal PVC Reflective Tape	Zipper	EA
SV4R4KZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal Silver T/C Reflective Tape	Zipper	EA
SV4R1KZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal PVC Reflective Tape	Zipper	EA

- Lightweight and comfortable
- Heavy duty and washable
- Silver reflective tape for increased visibility in day and night
- Front zip opening for easy access
- Designed with secure and comfort fit



SV2RSKZ0



SV4RSKZ0



SV691KZ0



SV694KZ0

SAFETYWARE Triple Protection Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
SV2RSKZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal Photoluminous, Silver & Reflective Tape	Zipper	EA
SV4RSKZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal + 2x Vertical Photoluminous, Silver & Reflective Tape	Zipper	EA
SV691KZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal + 2x Vertical W-style White PVC Reflective Tape + 2x Horizontal of Photoluminous Tape (Font & Back)	Zipper	EA
SV694KZ0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	2x Horizontal + 2x Vertical of Silver Reflective Tape + 2x Horizontal Photoluminous Tape (Font & Back)	Zipper	EA

- Lightweight and comfortable
- Heavy duty and washable
- Brightly colour fluorescent fabric
- Reflective tape for increased visibility in day and night
- Phosphorescence tape which glows in the dark
- Front zip opening for easy access



Back View

SAFETYWARE Front H Back V Executive Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
SV604KVX	Yellow, Orange	S - 5XL	120gsm Polyester Knit	1x Horizontal + 2x Vertical Silver T/C Reflective Tape	Velcro	EA

- Easy to wear and easy to remove
- Durable polyester PVC coated fabric
- Silver reflective tape for increased visibility
- Adjustable hook and loop fastening for flexible sizing
- Heavy duty and washable



Back View

SAFETYWARE V Shape Executive Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
SV114KV0	Yellow, Orange	S - 5XL	120gsm Polyester Knit	1x Horizontal + 2x Vertical Silver T/C Reflective Tape	Velcro	EA

- Easy to wear and easy to remove
- Durable polyester PVC coated fabric
- Silver reflective tape for increased visibility
- Adjustable hook and loop fastening for flexible sizing
- Heavy duty and washable



SAFETYWARE Elastic Belt V-Type Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
EBELTV00	Yellow, Orange	Universal	Elastic Webbing	1x Horizontal + 2x Vertical Silver T/C Reflective Tape	Buckle	EA

- High visibility colour and heat-sealed silver reflective print for excellent visibility
- Adjustable straps for a secure fit
- Elasticated straps



SAFETYWARE Children Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
SV614KXX	Yellow, Orange	Universal	120gsm Polyester Knit	2x Horizontal Silver T/C Reflective Tape	Velcro	EA

- High visibility in day and night
- Quality and nice performance silver reflective tape
- Washable



SAFETYWARE Executive Series Safety Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
SV344CZG	Yellow, Orange	S - 5XL	120gsm Polyester Knit + 140gsm Polyester Mesh	3x Horizontal Silver T/C Reflective Tape	Zipper	EA

- Three stripe of silver reflective tape for increased visibility
- Lightweight and comfortable
- Heavy duty and washable
- Front zip opening for easy access
- Four cover pockets and a pen holder
- Generous fit for wearer comfort



Get Your Own Styles

Contact Us to get you ideal Safety Vest



PORTWEST Iona Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
F474	Bottle Green, Black, Navy Blue, Pink, Royal Blue, Red, White	S/M, L/XL, XXL/3XL	125gsm Polyester Knit	2x Horizontal Grey Reflective Tape	Velcro	EA

- This safety vest offers lightweight comfortable and visibility with function
- A practical addition to any workplace
- Generous fit for wearer comfort
- Available in an excellent choice of corporate colours



PORTWEST Iona Executive Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
F476	Bottle Green, Navy Blue, Royal Blue, Red	S - 3XL	125gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	Zipper	EA

- In a range of four colours, this superior vest option offers a Dual ID window, radio loop and multi-functional pockets as standard.
- Reflective tape for increased visibility
- Front zip opening for easy access
- D-ring for keys or ID cards
- Dual ID holder allows use of both portrait and landscape ID card display
- Radio loop for easy clipping of a radio
- Complies with AS/NZS 4602.1:2011 Class N



*Sizes available for certain colours might vary

PORTWEST Warsaw Executive Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
C476	Orange/Navy, Yellow/Black, Yellow/Navy, Yellow/Royal, Yellow/Red	XS - 5XL	125gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	Zipper	EA

- This two-tone option in our executive vest range features several practical pockets, a dual ID holder, d-ring and a radio loop.
- Reflective tape for increased visibility
- Front zip opening for easy access
- Contrast panels for protection against dirt
- Complies with AS/NZS 4602.1:2011 Class D/N, ANSI/ISEA 107-2015 TYPE O CLASS 1, EN ISO 20471 Class 1

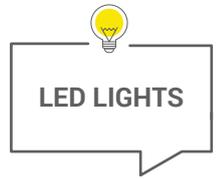




PORTWEST Junior Colour Bright Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
JN15	Lime Green, Pink, Orange, Yellow	S - L	125gsm Polyester Knit	2x Silver Reflective Tape	Velcro	EA

- This Junior Vest features a youthful design by using angled reflective tape and contrast coloured binding.
- Available in a wide range of colours.
- Lightweight and comfortable
- Reflective tape for increased visibility
- Stylish junior design using angled tape and contrast binding
- Hook and loop closure for easy access
- Complies with EN 1150



PORTWEST LED Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
L470	Yellow, Orange	S/M - XXL/3XL	125gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	Velcro	EA
L476	Yellow, Orange	S - 3XL	125gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	Zipper	EA

- Combining innovative integrated LED lights with high visibility material and HiVisTex reflective tape, this vest offers excellent visibility in all lighting conditions.
- Reflective tape for increased visibility
- Built in LED lights for maximum visibility in low to no light environments
- Hook and loop closure for easy access
- Generous fit for wearer comfort
- L470 complies with EN ISO 20471 Class 2, RIS-3279-TOM ISSUE 1 (Orange Only), ANSI/ISEA 107-2015 TYPE R CLASS 2
- L476 complies with AS/NZS 4602.1:2011 Class D/N, EN ISO 20471 Class 2, RIS-3279-TOM ISSUE 1 (Orange Only), ANSI/ISEA 107-2015 TYPE R CLASS 2



PORTWEST Flame Resistant High-Vis Vest

Item Code	Colour	Size	Fabric	Reflective Stripes	Closure	Unit
FR75	Yellow, Orange	S/M - 4XL/5XL	100% Polyester Knit 120gsm	2x Horizontal + 2x Vertical Silver FR Reflective Tape	Velcro	EA
FR85	Yellow, Orange	S/M - 2XL/3XL	98% Polyester/ 2% Carbon Fibre, 120gsm	2x Horizontal + 2x Vertical Silver FR Reflective Tape + 2x Horizontal Silver Reflective Tape on both arms	Velcro	EA

FR75 High-Vis Vest

- Hook and loop closure for easy access
- Generous fit for wearer comfort
- Complies with ANSI/ISEA 107-2015 TYPE R CLASS 2, ANSI/ISEA 107-2010 Class 2:2, EN ISO 14116 Index 1, RIS-3279-TOM ISSUE 1 (Orange Only), EN ISO 20471 Class 2

FR85 High-Vis Vest

- Guaranteed flame resistance for life of garment
- 100% Metal free
- Complies with EN ISO 14116 Index 1, EN 1149 -5, EN ISO 20471 Class 3, RIS-3279-TOM ISSUE 1 (Orange Only)





S478YER



RT230RR



S477YER



RT220RR

*Sizes available for certain colours might vary

PORTWEST Hi-Vis Short Sleeve T-Shirt / Polo

Item Code	Colour	Size	Fabric	Reflective Stripes	Unit
S478YER	Yellow	XS - 6XL	150gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	EA
RT230RR	Orange	XS - 5XL	150gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	EA
S477YER	Yellow	XS - 7XL	175gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	EA
RT220RR	Orange	XS - 5XL	175gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	EA

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal
- Complies with ANSI/ISEA 107-2015 TYPE R CLASS 2, AS/NZS 4602.1:2011 Class D/N, RIS-3279-TOM ISSUE 1 (Orange Only), EN ISO 20471 Class 2



S378



S479

*Sizes available for certain colours might vary

PORTWEST Two Tone Hi-Vis T-Shirt / Polo

Item Code	Colour	Size	Fabric	Reflective Stripes	Unit
S378	Orange/Navy, Yellow/Navy	S - 6XL	150gsm Polyester Knit	2x Horizontal + 2x Vertical Silver Reflective Tape	EA
S479	Orange/Navy, Yellow/Black	XS - 4XL	175gsm Polyester Knit	1x Horizontal + 2x Vertical Silver Reflective Tape	EA

- Breathable fabric to draw moisture away from the body keeping the wearer cool, dry and comfortable
- Quality wicking fabric finish enhances fabric drying and aids stain removal
- Reflective tape for increased visibility
- 50+ UPF rated fabric to block 98% of UV rays

- S378**
- Complies with AS/NZS 4602.1:2011 Class D/N, RIS-3279-TOM ISSUE 1 (Orange Only), ANSI/ISEA 107-2015 TYPE R CLASS 2, EN ISO 20471 Class 2

- S479**
- Superior styling with a contrast collar and fluorescent stripe
 - Side vents for added comfort
 - Complies with ANSI/ISEA 107-2015 TYPE O CLASS 1, EN ISO 20471 Class 1



T181



T180

PORTWEST PW3 Hi-Vis T-Shirt / Polo Shirt

Item Code	Colour	Size	Fabric	Reflective Stripes	Unit
T181	Orange/Black, Yellow/Black	XS - 4XL	55% Cotton+45% Polyester, Knit 175gsm	2x Horizontal Silver Reflective Tape	EA
T180	Orange/Black, Yellow/Black	XS - 4XL	55% Cotton+45% Polyester, Knit 175gsm	2x Horizontal Silver Reflective Tape	EA

- Lightweight, stylish and breathable, this t-shirt is the perfect choice.
- Moisture wicking fabric helping to keep the body warm, cool and dry
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- 35+ UPF rated fabric to block 97% of UV rays
- Complies with EN ISO 20471 Class 2, RIS-3279-TOM ISSUE 1 (Orange Only)





PORTWEST Ladies Pro Polo Shirt

Item Code	Colour	Size	Fabric	Reflective Stripes	Unit
LW72	Yellow, Orange	XS - XXL	55% Cotton + 45% Polyester, Knit 175gsm	2x Horizontal + 2x Vertical Silver Reflective Tape	EA

- This garment offers outstanding freedom of movement while holding a feminine fit.
- Moisture wicking fabric helping to keep the body warm, cool and dry
- Lightweight flexible HiVisTex Pro segmented reflective tape for increased visibility
- 35+ UPF rated fabric to block 97% of UV rays
- Superior styling with a contrast collar and fluorescent stripe
- Complies with EN ISO 20471 Class 2, RIS-3279-TOM ISSUE 1 (Orange Only)



S278



S271



PORTWEST Hi-Vis Long Sleeved T-Shirt

Item Code	Colour	Size	Fabric	Reflective Stripes	Unit
S278	Yellow, Orange	S - 3XL	55% Cotton + 45% Polyester, Knit 175gsm	2x Horizontal + 2x Vertical Silver Reflective Tape	EA
S271	Yellow, Orange	S - 3XL	55% Cotton + 45% Polyester, Knit 175gsm	2x Horizontal Silver Reflective Tape on both arms 2x Horizontal + 2x Vertical Silver Reflective Tape	EA

- Practical and comfortable with the added benefit of full arm protection.
- Moisture wicking fabric helping to keep the body warm, cool and dry
- Reflective tape for increased visibility
- 35+ UPF rated fabric to block 97% of UV rays

- S278**
- Taped neck seam for extra comfort
 - Complies with ANSI/ISEA 107-2015 TYPE R CLASS 3, EN ISO 20471 Class 3, RIS-3279-TOM ISSUE 1 (Orange Only)

- S271**
- Superior styling with a contrast collar and fluorescent stripe
 - Side vents for added comfort
 - Complies with EN ISO 20471 Class 3, RIS-3279-TOM ISSUE 1 (Orange Only)



PORTWEST Two Tone Softshell Jacket

Item Code	Colour	Size	Fabric	Reflective Stripes	Unit
S429	Yellow	S - 3XL	94% Polyester + 6% Elastane, 160g laminated to 100% Polyester Micro Polar Fleece 150g 310g	2x Horizontal Silver Reflective Tape, 2x Horizontal Silver Reflective Tape on both arms	EA

- Offering waterproof zip pockets and storm flap closure for enhanced protection
- Lightweight, comfortable and durable this jacket is ideal for all types of environments
- Micro polar fleece lined and bonded with shell
- Made of durable breathable, windproof and water resistant fabric
- Extremely water resistant fabric finish, water beads away from fabric surface
- Complies with ANSI/ISEA 107-2015 TYPE R CLASS 3, EN ISO 20471 Class 3



ESD & CLEANROOM



CUSTOM MADE SIZE, LENGTH & ADDITIONAL SERVICES AVAILABLE

SAFETYWARE Cleanware™ apparel is designed to be antistatic, low turbocharging, and offers protection from electrostatic fields generated by clothing on the user's body. The smock is constructed of a lightweight dissipative material that incorporates textured polyester and carbon nylon mono-filament. The conductive nylon fibers are woven in a chain-link design throughout the material, providing continuous and consistent charge dissipation. We can custom make cleanroom apparel by using a variety of Polyester Stripe Line Antistatic Fabric or Polyester Cross Grid Antistatic Fabric.

Design Selection Guideline

Step 1 CA

Code for Cleanware™ apparel is **CA**.

Step 2 Pattern

Code for apparel's pattern.

- 1 Smock Velcro Type Collar (Elastic Wrist)
- 2 Smock Shirt Collar (Elastic Wrist)
- 3 Smock With Hood (Elastic Wrist)
- 4 Smock With China Style Collar (Elastic Wrist)
- 5 Jumpsuit With Hood (Elastic Wrist)
- 6 Jumpsuit Without Hood (Elastic Wrist & Ankle)
- 7 Antistatic Jacket
- 8 Antistatic Pant

Step 3 Material

Code for fabric material.

- C  0.5mm Cross Grid
- S  0.5mm Stripe Line

Step 4 Pocket

Code for number of pocket attach.

- H  2 Hidden Pocket (Body)
- P  2 Patch Pocket (Body)
- S  2 Side Pocket
- D  4 Patch Pocket (2 on body + 2 on chest)
- X  Without Pocket

Step 5 Accessories

Code for accessories for Cleanware™ apparel (not for trouser).

- F Front Name Tag Holder (Left)
- S Side Pen Holder (Left)
- P Front Pen Holder (Left)
- B Side Pen Holder (Left) + Front Name Tag Holder (Left)
- X Without Accessories

Step 6 Closure

Code for closure material.

- V Velcro
- B Plastic Button
- Z Zip

Step 7 Bag Attached

Code for bag attached.

- A Bag Attached
- X Without Bag Attached

Step 8 Colour

Code for apparel's colour.

- WHT  White
- NBL  Navy Blue
- SBL  Sky Blue
- YLW  Yellow
- APG  Apple Green
- PNK  Pink

Step 9 Size

Code for size available.

- SM Small
- MD Medium
- LG Large
- XL Extra Large
- 2XL 2 Extra Large
- 3XL 3 Extra Large
- 4XL 4 Extra Large
- 5XL 5 Extra Large



**EXAMPLE
YOUR ART NO:
CA2C^CPFZXNBL^LLG**

VELCRO COLLAR



SAFETYWARE Cleanware™ Antistatic Smock with Velcro Collar

Item Code	Size	Material	Unit
CA1SPFZX	S - 5XL	0.5mm Stripe Line	EA

- 2 patch pockets
- Front name tag holder
- Zip opening for easy access

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), pen holder, name tag holder and bag attached.

SHIRT COLLAR



SAFETYWARE Cleanware™ Antistatic Smock with Shirt Collar

Item Code	Size	Material	Unit
CA2CPFZX	S - 5XL	0.5mm Cross Grid	EA

- Elastic wrist
- 2 patch pockets
- Front name tag holder
- Zip opening for easy access

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), pen holder, name tag holder and bag attached.

WITH HOOD



SAFETYWARE Cleanware™ Antistatic Smock with Hood

Item Code	Size	Material	Unit
CA3SPBZX	S - 5XL	0.5mm Stripe Line	EA

- Elastic wrist
- 2 patch pockets
- Side pen holder and front name tag holder
- Zip opening for easy access

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), pen holder, name tag holder and bag attached.

CHINA STYLE COLLAR



SAFETYWARE Cleanware™ Antistatic Smock with China Style Collar

Item Code	Size	Material	Unit
CA4CHBZA	S - 5XL	0.5mm Cross Grid	EA

- Elastic wrist
- 2 hidden pockett
- Zip opening for easy access
- Side pen holder and front name tag holder
- Bag attached (At back)

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), pen holder, name tag holder and bag attached.



SAFETYWARE Cleanware™ Antistatic Jumpsuit with Hood

Item Code	Size	Material	Unit
CA5CDPZA	S - 5XL	0.5mm Cross Grid	EA

- 2 chest patch pockets and 2 body patch pockets
- Elastic wrist
- Front pen holder
- Zip opening for easy access

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), hood or without hood, pen holder, name tag holder and bag attached.



SAFETYWARE Cleanware™ Antistatic Jacket

Item Code	Size	Material	Unit
CA7SHPZX	S - 5XL	0.5mm Stripe Line	EA

- 2 hidden pocket
- Front pen holder
- Zip opening for easy access

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), pen holder, name tag holder and bag attached.



SAFETYWARE Cleanware™ Antistatic Trouser

Item Code	Size	Material	Unit
CA23SGC0	S - 5XL	0.5mm Stripe Grid	EA

- Side pocket
- Elastic waistband
- Elastic on bottom trouser

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), pen holder, name tag holder and bag attached.



SAFETYWARE Cleanware™ Antistatic Singlet

Item Code	Size	Material	Unit
CA16CXZX	S - 5XL	0.5mm Cross Grid	EA

- Zip opening for easy access

Optional:
Can add on/remove pocket (hidden pocket/patch pocket), pen holder, name tag holder and bag attached.

Design Selection Guideline

Step 1 CA

Code for Cleanware™ cap or hood is **CHP**.

Step 2 Pattern

Code for cap or hood's pattern.

- 1 Antistatic Hood (Standard)
- 2 Antistatic Hood with Ear Net
- 3 Antistatic Hood with Elastic Around Face
- 4 Antistatic Tie On Cap with Top Jointing & Back Elastic
- 5 Antistatic Cap With Ear Net, Top Jointing & Back Elastic
- 6 Antistatic Cap with Back Elastic
- 7 9" Shower Cap
- 8 12" Shower Cap

Step 3 Material

Code for fabric material.

- C  0.5mm Cross Grid
- S  0.5mm Stripe Line
- TC  TC 110
- TD  TC Drill
- NT  Netting
- V  Vinyl
- K  Polyester Knit
- M  Polyester Mesh

Step 4 Accessories

Code for accessories material.

- X No Accessories
- M Velcro Mask
- R Silver Reflective Tape on Neck Shield
- S Sew On Mask
- A 1" Silver Reflective Tape Around Head

Step 5 Closure

Code for closure material.

- V Velcro
- E Elastic
- F Fabric String
- X No Closure

Step 6 Colour

Code for cap or hood's colour.

- WHT  White
- DBL  Dark Blue
- NBL  Navy Blue
- SBL  Sky Blue
- YLW  Yellow
- APG  Apple Green
- PNK  Pink
- GRY  Grey
- TPR  Transparent

Step 7 Size

Code for size available.

- 00 Free Size

Safetyware



SAFETYWARE 9" Antistatic Cap

Item Code	Feature	Material	Unit
CHP7	Elastic	0.5mm Stripe Line	EA

- Electrostatic discharge materials (ESD materials)
- Also available in white, navy blue and dark blue colour.
- Free size

Safetyware



SAFETYWARE 12" Antistatic Hood

Item Code	Feature	Material	Unit
CHP1	Elastic	0.5mm Cross Grid	EA

- Electrostatic discharge materials (ESD materials)
- Also available in white, navy blue and dark blue colour.
- Free size

Safetyware



SAFETYWARE Antistatic Cap with Ear Net

Item Code	Feature	Material	Unit
CHP5	Elastic	0.5mm Stripe Line	EA
CHP6	Elastic	0.5mm Stripe Line	EA

- Electrostatic discharge materials (ESD materials)
- Also available in white, navy blue and dark blue colour.
- Free size

CONTACT US NOW!

info@safetyware.com

Custom Made item and logo available for all Safety Apparels & Head Protection. Please attach high-resolution photo or specify the pattern for us when placing your order. Welcome to email us for more information.

Embroidery Your Features

Garment embroidery can help you build your corporate brand and image to raise up your company profile. Our computerized embroidery machine using "digitized" with embroidery software to embody the image into any products such as shirts, vests, hats, jackets, and etc.

embroider your logo/ name



Heat Transfer Your Style

Heat transfer printing is a way to apply heat-applied materials to various items with a heat press machine, the materials adhere to the substrate to which it is applied. It will be a nice garment decoration in the easiest and fastest way.

heat it on your apparels



Silk Screen Printing

Another favourite option of garment decoration — Screen Printing. Screen printing is using a screen with mesh to transfer ink onto a substrate. One-colour is only can transfer at a time. Several screen needed when a multi-coloured design going to produce.

The steps as the diagrams showed:

1. Place film positive
2. Pour the ink on the screen
3. Drag across the design with a squeegee

colour your own pattern





ABOUT US

When it comes to occupational safety & health, rest assured that you can count on Safetyware Group - an award-winning integrated safety & health solutions provider with over 30 years of experience that provide one-stop OSH products & services. What separate us from the pack is our total commitment to all our valued customers. Backed by a team of professionals who are committed and passionate about safety, we know that every customer is unique and has different needs and requirement. Thus, we work closely and listen to our customers, as we strive to provide the best possible solution whenever and wherever they are needed. If we simply help you choose products that you need, we have only completed half of our job. Therefore, we also offer a series of value-added services including technical assistance and support to ensure that the products will be used properly and appropriately. This will result in longer product life span, avoid unnecessary injuries due to improper usage, better protection for your end products from contamination, and help to save your money at the end of the day.

Our root can be traced back to 1983, when we started as a pioneer rubber gloves manufacturer in Malaysia under the name of Leader Rubber Products Sdn. Bhd. which has since been renamed to Multifocal Corporation in 2003 and became the parent company of Safetyware Group. We have grown from strength to strength and today we manufacture safety shoes, safety apparels, face masks & particulate respirators, disposable non-woven products for medical & hygiene uses, polyethylene (PE) gloves and rubber gloves, hygiene & sanitisation products such as hand sanitisers & disinfectants, and signage & labels in our manufacturing facilities in Penang. With headquarter and 2 manufacturing plants in Penang, supported by 6 other regional offices in Kuala Lumpur, Melaka, Johor, Pahang, Sarawak and Sabah, plus another 4 international offices in Singapore, Indonesia, Australia and the United Kingdom, Safetyware is uniquely placed to deliver superb customers' experience that our customers have come to expect. Furthermore, we have established collaborations with other renowned Personal Protective Equipment (PPE) manufacturers in Malaysia, the USA, Taiwan, China, and India, to manufacture other range of PPE and safety equipment including safety helmets, safety glasses and goggles, ear muffs and ear plugs, fall protection products, sorbents and spill containment products, safety cabinets, traffic safety products, floor safety products, lockout & tagout (LOTO) products, amongst many others.

Apart from PPE manufacturing, we also partner with international PPE brands such as Sundstrom (Sweden), Ultitec (Taiwan), Portwest (Ireland), Zoll Medical (USA), Kratos (France), Vertic (France), Superior Glove (Canada), TigerGrip (France), Respirex (UK), MSA (USA), Cofra (Italy), NSA (USA), HexArmor (USA), Elvex (USA), Delta Plus (France), Honeywell (USA), and Harvik (Malaysia), to distribute their products in various regions. Besides safety products, we also provide EHS consultancy and safety training. Our Safetyware Academy offers both public and in-house training programmes catering to a diverse range of industries.

Safetyware is preferred and entrusted by more than 10,000 companies around the world to be their OSH solution provider, because we don't just sell products or services, we offer complete OSH solution.

WHY SAFETYWARE



**YOUR ONE - STOP
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