

Personal Protective Equipment

2025





**INDUSTRIAL
SCIENTIFIC**



SKYLOTEC

climb. work. rescue.
I|S|C
Solutions in Metal

KANOX®

Ssekur®

OPGAL
Beyond the Visible

**ZELINSKY
GROUP**

CALGAZ

CHEMDEFEND
PROTECTIVE CLOTHING



3M

**SCOTT
SAFETY**



RESPIREX™
Living + Breathing Personal Protection

ION

CIRLOCK
LOCKOUT / TAGOUT EQUIPMENT

JSP

PRO SAFETY GEAR
prosafetygear.com

Panindochina®

CleanAIR®

STREAMLIGHT

NEWTEX
EXTREME PROTECTIVE APPAREL



MFC International
by RESPIREX
ENGINEERED INFLATABLE PRODUCT SOLUTIONS

THORZT
HYDRATE. ENERGISE. PERFORM.

MAPA®
PROFESSIONNEL

CT
climbing
technology

**CURTISS -
WRIGHT**

Protect

Thorogood
Since 1892
SHOES

frontier
SAFETY INDUSTRIAL FOOTWEAR

**INNO
TEX®**

PRATT
SAFETY SYSTEMS

Windsock Company

PIIP
PROTECTIVE INDUSTRIAL PRODUCTS

NEWAGE FIRE PROTECTION
INDUSTRIES PRIVATE LIMITED

TOBIN
EYEWASH SYSTEM

**THE
SEAHORSE**

**KLEVER
INNOVATIONS**

LW
COMPRESSORS



About us

Being an established provider of safety equipment and its services in Vietnam, our main motivational factor comes from customers' satisfaction via our quality product and services. We aspire to become an integrated Provider/ Partner with a leading presence in Indochine.



OUR VISION

To be a highly valued products and services provider in the manufacturing and services providers market, using progressive management practices and knowledge based skilled employee.



OUR GOALS

To build a core range of safety products with high quality and performances appreciated by users for its value and meeting the demands by users to protect lives.

To ensure and build the company to be able to translate these values to the general market users.

To explore and introduce other related potential business units which would help customers with their supply chains.

To continuously plan for growth for the company and its workforce.



OUR MISSIONS

Panindochina aims to set up distribution network of dealers and regional sales team to reach out and service customers in major regions of Vietnam.

Panindochina has set up facilities to support after sales service needs of our customers for the products we supply.

Panindochina has set up growth plans for the company and its workforce to achieve its Vision and Mission.



OUR VALUE

Quality product orientated for value and performances.

Teamwork of employees for best customer supports.

Market awareness for best communications between users, manufacturers, supplier and company of market need.

Why Choose Us

Employees

Over 25 trained Employees to cover for our operation, and development of the company

Partners

Over 10 Official Partners in the distribution product and its services in whole Vietnam and Cambodia

Collaborated with the manufacturers

Collaborated with the manufacturers to conduct the training for the safety product to the customers

Local Cultural

Understanding & Respecting the Local Cultural

Manufacturers and Partners

Over 30 well-known oversea Manufacturers and Partners to assure the Technical Support, Supplying Chain and Services

Qualified and Certified Technicians

By the manufacturers (3M-Scott Safety, Industrial Scientific; Skylovec; SafetyLink) to assure about the technical support after sales in Vietnam

System

Professional management system

Closely Collaboration

Closely Collaboration with the customer and the manufacturer

Head Protection

Hard Hat

Hard hat protects you by providing the following features:
A rigid shell that resists and deflects blows to the head;
A suspension system inside the hat that acts as a shock absorber;
If fitted with a brow guard, it shields your scalp, face, neck and shoulders from splashes, spills and drips
If fitted with ear muffs, it provides protection for your hearing.

What tests do the hard hats undergo to meet these Standards?

Every production helmets is tested to ensure it complies with the Australian Standard AS/NZS1801.
Hard hats are conditioned prior to each test to differing heats and conditions to ensure that they comply under a variety of conditions. These are:

- Hot - at a temperature of 50 ±2°C.
- Cold - at a temperature of -10 ±2°C.
- Wet - total immersion in water at a temperature of 23 ±5°C.



What is the in-use life-span of a hard hat?

When a hard hat shows signs of wear and tear to either the helmet shell or the harness it should be replaced. It should also be replaced after any impact that would have caused the wearer injury, as the integrity of the structure will have been weakened.
Although there is no set service life for hard hats, we recommend replacement after no more than 3 years.
Components of harnesses may deteriorate more rapidly in service, therefore should be replaced every 2 years.
In-use, head protection gear is generally treated with a lack of care, often being thrown or dropped, used as a receptacle or carried on the rear window shelf of a vehicle.
None of these actions are conducive to continued performance so recommend users to regularly inspect both the helmet shell and its harness for signs of wear and tear and to store in a cool, dry place when not in use.

They then undergo testing for:
Electrical Resistance – where the leakage current cannot exceed 3 mA with no electrical discharge from the material nor flashover over the rim of the helmet.
Stiffness – where the indent of the hard hat shell under a force of 90 ±1 Newtons (N) does not exceed 15 mm when measured between 8 seconds and 10 seconds after application of this force. A Newton is the amount of force required to accelerate a body with a mass of one kilogram at a rate of one metre per second squared.
Shock Absorption – where the impact of 50 ±1 Joules (J) will not cause the deceleration of the striker to exceed 980 m/s², or the force transmitted to the hard hat wearer will not exceed 5.0 kN. A Joule is the work done, or energy expended, by a force of one Newton moving an object one metre along the direction of the force.
Resistance to Penetration – where the head form is not hit by the point of the striker.

Replace your hard hat when:
Cracks appear in the shell
The shiny surface appears dull or chalky
The shell becomes brittle
Impact with helmet surface has been made

Replace your suspension when:
The suspension becomes brittle
One or more of the mounts break off
The suspension will no longer hold securely to the head
The cradling straps break or become worn

Can I use the chin strap off helmets supplied by a different company?
This is not recommended.
Chin straps are not tested under AS/NZS 1801 for Type 1 helmets but in order to provide the best quality product, Chin Straps are tested and certified by BSI against European Standard EN397:1995 Industrial Safety Helmet.
Under the European Standard requirement, it became necessary for the chin strap to break when a specific load is applied. Chin strap may break in a different manner to another company's so it is recommended that you should only use a company chin strap on a company helmet.

PSHU/PSHV

The PSH series ABS non-vented or vented safety helmet (Type 1) with comfortable 6 point terylene head harness is designed to deflect falling objects and provide protection against knocks and bumps.



EVO®5 Olympus®

The EVO®5 Olympus® safety helmet combines a super strong ABS shell designed for superior all day protection with the comfort benefits of the Evolution® 3D-Adjustment™ harness system.



EVO®3

The EVO®3 Comfort Plus helmet combines a super strong shell for superior all day protection in the the widest range of environments, with the comfort benefits of the Evolution® 3D-Adjustment harness system.



HHV6FB

Full brim hard hat features extended brim over the neck & ears. Helping to reduce the amount of harmful UV radiation from the sun. The brim is slightly shorter in the front, allowing good upward vision.



EVO®2

The EVO®2 Comfort Plus™ helmet combines a super strong shell for superior all day protection in the widest range of environments, with the comfort benefits of the new Evolution® 3D Adjustment™ harness system.



EVO® VISTA

EVO®VISTA^{lens}® is a next generation feature-rich safety helmet based on proven Evolution® head protection technology, incorporating a fully retractable optical class 1 integrated overspec with B-rated impact resistance.



Technical Data

Product Name	Standards	Material	Harness Cradle	Ratchet	Vented Option	Printing	Accessories	Weight	Colours
PSHU/PSHV	AS/NZS 1801, TCVN 6407 EN 397 + A1	ABS	6-point	Wheel	Vented or Unvented	Front, back or sides	✓	-	
EVO®5 Olympus®	EN 397, EN 50365, ANSI/ISEA Z89.1 AS/NZS 1801, CSA Z94.1	ABS	6-point	Wheel or Slip	Vented or Unvented	Front, back or sides	✓	372 g	
EVO®3	EN397 EN 50365	HDPE	6-point	Wheel	Vented or Unvented	Front, back or sides	✓	372 g	
EVO®2	EN397 EN 50365	HDPE	6-point	Slip	Vented or Unvented	Front, back or sides	✓	372 g	
HHV6FB	AS/NZS 1801	ABS	6-point	Wheel	Vented	Front, back or sides	✓	435 g	
EVO® VISTA	EN 397, EN 50365,EN 170 AS/NZS 1801, EN 166	ABS	6-point	Wheel	Vented	Front, back or sides	✓	496 g	



Bump Cap

Bump cap is a type of hard hat that's characterized by a lightweight construction and a simplified design. They generally offer minimal protection from falling objects. Rather, most bump caps are designed to protect against minor injuries involving scrapes or bumps. If you accidentally bump your head against a low ceiling, for instance, a bump cap may protect you from injury. That's why they are known as "bump caps." Bump caps protect against injuries involving bumps.

Why should you choose a bump cap? Assuming you work in an environment where there's no risk of falling objects, you may not need to wear a traditional hard hat. Instead, you can wear a bump cap. Bump caps will protect from minor head injuries involving scrapes and bumps. Many construction workers and utility workers wear them for this reason.

When compared to traditional hard hats, most workers will agree that bump caps are more comfortable. Traditional hard hats are made of heavier materials that can make them uncomfortable to wear for long periods. Bump caps, on the other hand, are made of lightweight materials. This lightweight construction makes them cooler, more breathable, and all-around more comfortable to wear.

Aerolite®



The new HardCap AeroLite® is the lightest full shell bump cap available on the market. A direct evolution of the ever popular HardCap™ A1+, the HardCap AeroLite® represents the forefront of innovation within the JSP head protection range, providing complete protection in its category by meeting the requirements of the EN812:2012 Standard.

Aerolite® 60°



The HardCap AeroLite®60° weighs less than 135g without compromising on performance. The protective liner is fully washable at 60°C for good hygiene and extended life cycle.

A1



Designed to exceed the most recent standards, EN812:2012, years of thought and design iterations have been undertaken to develop a product that is unrivalled in both performance and style. Sleek and low profile, it's almost impossible to distinguish from a standard high street baseball cap.

BCBG



- Lightweight, modern baseball style cap
- Complies to EN812 - Industrial bump cap standards
- Foam padded insert provides built in protection against bumps & scrapes in the workplace
- Eyelet holes & mesh venting allows for airflow
- Adjustable strap for the perfect fit

BCNSP



- Lightweight, modern baseball style cap
- Complies to EN812 - Industrial bump cap standards
- Foam padded insert provides built in protection against bumps & scrapes in the workplace
- Eyelet holes & mesh venting allows for airflow
- Adjustable strap for the perfect fit
- Short peak for greater overhead visibility

BCFOMP



- Lightweight, modern baseball style cap
- Complies to EN812 - Industrial bump cap standards
- Foam padded insert provides built in protection against bumps & scrapes in the workplace
- Eyelet holes & mesh venting allows for airflow
- Adjustable strap for the perfect fit
- Micro peak for the best overhead visibility

Technical Data

Product Name	Standards	Shell Material	Peak Options	Ventilation	Slip ratchet	Size	Weight	Colour
Aerolite®	EN 812	HDPE	2.5 cm	Yes	Slip	53-64 cm	127g	
Aerolite® 60°	EN 812	HDPE	2.5 cm	Yes	Slip	53-64 cm	127g	
A1	EN 812	HDPE	5 cm	Yes	Slip	53-64 cm	155 g	
BCBG	EN 812	Polyester	7cm	Yes	Slip	-	-	
BCNSP	EN 812	Polyester	5cm	Yes	Slip	-	-	
BCFOMP	EN 812	Polyester	2.5cm	Yes	Slip	-	-	

Accessories For Hard Hat

Use for EVO®2, EVO®3, EVO®5, EVO®VISTA



Revolution® Wheel Ratchet Harness



OneTouch™ Slip Ratchet Harness



Chin strap

Use for PSNU, PSHV



Ratchet Harness



Chin strap

Use for HHV6FB



V6 Pushlock Harness



V6 Ratchet Harness



Chin strap



Lamp Bracket Ratchet Harness

Hearing Protection

Ear Plugs & Ear Muffs

How do I choose my hearing protection?

The choice of hearing protection depends on a number of factors including level of noise, comfort, and the suitability of the hearing protection for both the worker and the environment. Most importantly, the hearing protection should provide the desired noise reduction.

It is best where protection must be used, to provide a choice of a number of different types of hearing protection. Each hearing protection device is given a class rating from 1 to 5 to show the level of noise reduction achieved. If the noise exposure is intermittent, earmuffs are more desirable, since it may be inconvenient to remove and reinsert earplugs.

What are the common problems of hearing protection?

Studies have shown that one half of the workers wearing hearing protectors receive one half or less of the noise reduction potential of their protectors because these devices are not worn continuously while in noise or because they do not fit properly.

A hearing protector that gives an average of 30 dB of noise reduction if worn continuously during an eight hour work day becomes equivalent to only 9 dB of protection if taken off for one hour in the noise. This is because decibels are measured on a logarithmic scale, and there is a ten fold increase in noise energy for each 10 dB increase.

SE1374



- The very soft polyurethane foam provides comfortable and close-fitting seal against harmful noise.
- One size fits all.
- Uncorded, pair in polybag for economical.



SE1373

- The very soft polyurethane foam provides comfortable and close-fitting seal against harmful noise.
- One size fits all.
- Uncorded, pair in polybag for economical.



SE1323

- The very soft polyurethane foam provides comfortable and close-fitting seal against harmful noise.
- One size fits all.
- Corded, pair in a polybag for economical.

EPYU



- Bell shape delivers maximum comfort
- Brightly coloured offering high visibility for worker compliance
- Superior design makes it easier to insert and reduces tendency to back out of the ear



EPYC

- Bell shape delivers maximum comfort
- Brightly coloured offering high visibility for worker compliance
- Superior design makes it easier to insert and reduces tendency to back out of the ear



EPSC

- Reusable silicone earplugs
- Comes in resealable plastic case
- Cord allows earplugs to hang around neck when not in use

EMPYTNB



- Hi-Vis for visual identification
- Comfortable neckband configuration for extended wear
- Robust steel wire construction for on site demands
- Contemporary low profile design that withstands abuse without compromising comfort
- Solid, lightweight ear cup construction
- High quality ear cushions, Balanced clamping force for comfort



EMVIP

- General purpose use
- Solid, lightweight ear cup construction
- High quality ear cushions
- Inner foam and headband cushions provides comfort during extended wear
- Low clamping force applies minimum pressure while maintaining a tight, snug seal



EMPYTS

- Hi-Vis for visual identification
- High performance and strong durability through steel wire construction for maximum protection with easy adjustment system for individual fit
- Contemporary low profile design that withstands abuse without compromising comfort
- Solid, lightweight ear cup construction
- High quality ear cushions, padded foam headband & robust wire construction
- Low clamping force for comfort

AEB030-0AY-000



- The over-moulded headband has a built in comfort area with ventilation.
- The headband force and the cushion surface area work together to provide optimum cushion pressure and comfort.
- To facilitate even distribution of pressure the wearer can tilt and adjust the position of the earcup for optimum comfort and fit.



AEB030-0CY-000

- Solid, lightweight ear cup construction
- High quality ear cushions
- Inner foam and headband cushions provides comfort during extended wear
- Low clamping force applies minimum pressure while maintaining a tight, snug seal



AEB010-0CY-800

- Hi-Vis for visual identification
- High performance and strong durability through steel wire construction for maximum protection with easy adjustment system for individual fit
- Contemporary low profile design that withstands abuse without compromising comfort
- Solid, lightweight ear cup construction

Technical Data

Product Name	Standards	Material	Class	Noise levels	Weight
SE1374	ANSI S3.19, EN352-2	PU Foam	SNR 37dB	-	-
SE1373	ANSI S3.19, EN352-2	PU Foam	SNR 37dB	-	-
SE1323	ANSI S3.19, EN352-2	PU Foam	SNR 28dB	-	-
EPYU	AS/NZS 1270:2002	PU Foam	Class 5, SLC80, 27dB	110dB(A)	-
EPYC	AS/NZS 1270:2002	PU Foam	Class 5, SLC80, 27dB	110dB(A)	-
EPSC	AS/NZS 1270:2002	Silicone	Class 3, SLC80, 18dB	100 dB(A)	3.1 g
EMPYTNB	AS/NZS 1270:2002	-	Class 4, SLC8023 dB	108dB(A)	255 g
EMVIP	AS/NZS 1270:2002	-	Class 5 SLC8026dB	110dB(A)	210 g
EMPYTS	AS/NZS 1270:2002	-	Class 5 SLC8031dB	116dB(A)	372 g
AEB030-0AY-000	EN352	ABS, TPE	SNR 32dB	107-112dB(A)	234 g
AEB030-0CY-000	EN352	ABS	SNR 31dB	106-111dB(A)	256 g
AEB010-0CY-800	EN352	ABS	SNR 26dB	80-106 dB(A)	208 g

Safety Spectacles & Goggles



ZEN Safety Glass

- Single-piece lens fit perfectly on different face contours.
- Wrap-around frameless design.
- Ergonomically design temple with indirect ventilation.
- Exceptional comfort, protection and fit.

Standard:

Certified to ANSI Z87.1-2010.



SPECTRA Safety Glass

- Single-piece lens with integrated sideshield.
- Exceptional comfort, protection and fit.
- Adjustable temple to fit distinct face profile.
- Hassle-free lens replacement.

Standard:

Certified to ANSI Z87.1-2010.



SPECTRA Safety Glass

- Single-piece lens fit perfectly on different face contours
- Nose pad made of soft material for extra comfort
- Non-slip rubber pad
- Wrap-around frameless design
- Extended sideshield for lateral protection

Standard:

Certified to ANSI Z87.1-2010.



SON DOONG Safety Glass

- Modern and stylish design
- Sturdy polycarbonate frame
- Pantoscopic adjustment to alter lens angle
- Single-piece lens
- Nose pad made of soft material for extra comfort
- Co-injected rubber pad will not peel off on hot climate

Standard:

Certified to ANSI Z87.1-2010.



NHATRANG Safety Glass

- Superb lightweight at 22.6 gram
- Dileetric construction
- Comfortable nose piece
- Slim temple with rubber pad

Standard:

Certified to ANSI Z87.1-2010.



CONDAO Safety Glass

- Single-piece lens fit perfectly on different face contours
- Nose pad made of soft material for extra comfort
- Non-slip rubber pad
- Wrap-around frameless design
- Extended sideshield for lateral protection

Standard:

Certified to ANSI Z87.1-2010.



HA NOI Safety Glass

- Sturdy polycarbonate frame
- Tough polycarbonate lens offer 99.9% UV protection
- Flexible temple slot
- Optional metallic frame
- Nose pad made of soft material
- Straight temple design

Standard:

Certified to ANSI Z87.1-2010.



SAI GON Safety Glass

- Wrap-around protective glasses combining fashion, fit and function
- High-visibility rubber colour
- Maximum UV protection
- Anatomically-shaped nose adapt to all face
- Co-injected comfort pad will not peel off on hot climate
- Inner temple coated with elastomer for excellent grip and soft cushioning

Standard:

Certified to ANSI Z87.1-2010.

BREEZE MK II Safety Glass

Key Features:

- Certified to AS/NZS 1337.1:2010 Personal Eye Protection.
- Medium impact rated.
- 99.9% UV protection for outdoor wear.
- Anti-scratch & anti-fog coating on all lenses.
- Lightweight & durable one piece lens.
- Timeless styling.
- Clear, Smoke, Amber & Light Smoke / Flash Silver lens options

Standards:

Certified to AS/NZS 1337.1:2010



PROTEUS 1 Safety Glass

Key Features:

- AquaShield Hardened Anti-Fog Technology
- Cold formable arms for individual fit
- Dust Guard Di tech Lens provides dust and water protection
- Low profile arm to aid in use with other PPE
- Ultra soft TPR Anti-Slip Nose Pad
- SuperFlex arms ensure Low Clamp force reducing Temporal pressure
- UV400 - 100% UV Protection on Tinted Lens
- Certified Medium Impact Protection

Standards:

Certified to AS/NZS 1337.1:2010



4900

- Medium impact rated.
- 99.9% UV protection for outdoor wear.
- Anti-scratch & anti-fog 2mm hardened lens.
- Lightweight design & adjustable headstrap for enhanced user comfort.
- Indirect vents for increased airflow & minimization of lens fogging.
- Excellent general purpose goggle that will provide the ultimate all round eye protection.
- Clear lens option.

Standards:

Certified to AS/NZS 1337.1:2010



3700

- Certified Medium Impact, Anti-Scratch Lens
- Certified Liquid Splash Protection
- Anti-Fog, Hardened 2mm Lens - Ideal for use with dust masks in humid conditions
- 99.9% UV Protection for Outdoor Wear
- FoamBound with Extra Wide Strap for Comfort
- Indirect Venting
- Available in Clear and Smoke Lens

Standards:

Certified to AS/NZS 1337.1:2010



KALIBER 8001

Features:

- Lightweight
- Slim temples
- Ballistics Resistance
- Adjustable nose pads
- Interchangeable between Clear and Smoke lens
- Durable and rugged design

Standards:

MIL-PREF-32432
EN166
ANSI Z87.1



KALIBER 8002

Features:

- Lightweight
- Slim temples
- Molded sideshields
- Adjustable nose pads
- Durable and rugged design

Standards:

EN166
ANSI Z87.1



Accessories: Eye /Facemask



Complete Lens Cleaning Station ASU200-000-200

Wall mounted (plastic) Lens Cleaning Station
4 boxes of 280 tissues and one bottle of lens cleaning spray
There is also a handy mirror attached to help identify any ocular irritants
Comes with 4 x screw/plug mounting pack



Multi Function Cleaning Tissues ASU200-000-300

Each box contains 280 tissues that are low lint, soft, non abrasive and absorbant for easy cleaning.



Bottle of Lens Cleaning Fluid ASU200-000-400

Spray Cleaning Fluid is anti bacterial and anti static
Alcohol and silicone free



Pre-Moistened PPE Wipes - Box of 100 ASU200-000-100

Wall Mounted or Free Standing
Easy Delivery box containing 100 Alcohol Free Lens Cleaning Wipe Sachets
The wipes are also suitable for other PPE, including Half masks and Ear Defenders

TOBIN'S EYEWASH SYSTEMS

Are well proven, quick and safe way to wash chemicals from eyes. This specially designed system gives the fastest possible application combined with a liquid volume large enough for most eye accidents. Chemicals in the eye can cause serious damage within 1-5 seconds. Washing that begins within a few seconds can therefore be decisive in minimizing the damage the eye will receive. It is also of utmost importance that an eyewash system is easy to use and that the exposed eye is washed by a soft flow, both features are engineered into every Tobin bottle. The patient needs just one hand to operate the bottle and the eyewash system empties under natural pressure, the flow cannot be increased by squeezing the bottle.

IMPORTANT SAFETY FEATURES

The Flow

The eye is washed by a soft flow consisting of 6 tiny streams. A damaged eye must not be washed with a hard/sharp jet. Each bottle contains 1 litre of sterile saline solution 0.9% and provides approx 3 minutes of flow.

Bottom Air Vent

When the air vent is activated it lets air into the bottle and insures the eye is washed by a soft continuous flow. The flow can be stopped, to allow blinking and eye movements, by placing the thumb over the bottom hole.

Shelf Life

As the bottles are disposable, costly refill routines are unnecessary. The contents of the bottle have a 3 year shelf life. Each bottle has an expiry date clearly visible.

Volume

Uninterrupted washing over a long period is particularly important. The 5 bottle stand gives approx. 15 minutes washing. Further bottles can be taken from other stands if required.

Sterility

The regulations governing sterile liquids are rigorous. The bottle cannot contain any bacteria during its shelf life. When a bottle is opened the contents must be used within few hours or thrown away.

The manufacturing of all Tobin eyewash liquids comply with the European and Swedish regulations in the standards SS-EN ISO 9002, SS-EN 46002, SS-EN 552, and SS-EN 556. They also comply with the German DIN 12930 standard.



TOBIN 130

Wall Stand

- Specially designed system for fast application
- Provides soft flow
- Each 1 litre bottle gives approximately 3 minutes washing time
- Includes 2 x 1 litre bottles, cabinet and screws
- 35 (H) x 25 (W) x 11 (D) cm
- 1 litre sterile bottles with 3 years shelf life from time of manufacture



TOBIN 129

Wall Stand

- 2x1 litre eyewash in wallstand. Suitable when space is a problem and/or
- eyewashes are required in a number of spots in the same area.
- Supplied complete with bottles, wall screws etc.
- Measurements 39x20x10 cm.



TOBIN 126

- For eye wash replacement
- 2x1 litre eyewash



TOBIN 121

Effective, sterile and safe eyewashes for industrial use, Tobin's Eyewash Systems are a well proven, quick and safe way to wash chemicals from the eyes. Chemicals in the eye cause serious damage within 1-5 seconds. Washing that begins within a few seconds can be decisive in minimising eye damage. With Tobin an eyewash bottle can be within arms' reach to reduce response time.

Key features:

- Personally carry in pocket
- Contains 200mL sterile saline solution

When and for how long should eyes be washed?

Eye accidents occur without warning. Common to all accidents are acute pain and a sense of blindness. An intense burning sensation makes it feel as if the eyes are on fire. It is extremely important to begin washing immediately. Seconds are decisive. A flow of liquid is important as the purpose is to dilute and wash the chemicals out of the eyes.

Mechanical Injuries

Wash not less than 1 minute

Degreasing Agents

Wash not less than 2-3 minutes

Acid Injuries

Washing must begin within 5 seconds. Speed is more important than anything else. Every second's delay aggravates the situation. Damage increases by the second. The damage seldom increases after 1-2 minutes. Washing for 3 minutes should be sufficient. However, to restore a feeling of comfort a further 2 minutes washing is recommended. These time periods apply only if a predominant part of the liquid makes contact with the eye. The patient should always see a doctor.

Alkaline Injuries

Lighting fast treatment and prolonged washing are extremely important. Eyewashing equipment should be within arms reach and must be designed so that washing can continue during transportation to a doctor. A 10-20 minutes washing period is recommended. In alkaline cases only a doctor can decide when it is safe to discontinue washing.

Legislation and European Standards

European Directives regarding personal protective equipment lay down the requirements that the equipment and their users must satisfy. The standards are used to draw up technical specifications that meet these new requirements. Directive 89/656/EEC (use) lays down the requirements that employers must meet with regard to the supply and use of PPE by their employees. Directive 89/868/EEC lays down the essential requirements for marketing protective gloves within the European Union. The whole **Panindochina** range is certified in compliance with these essential requirements, and is labelled with CE marking.

CE Certification Categories

- Category 1**
The manufacturer is responsible for the conformity of its products with respect to the essential requirements of the Directive.
- Category 2**
Certificate of conformity obtained from a notified body
- Category 3**
Certificate of conformity and regular production inspections on the manufacturer's premises by the notified bodies.

The following pictograms conform with European standards and will help you to understand the performance of the gloves:

Mechanical Protection	Chemical & Micro-Organisms Protection			Others	Thermal Protection
<p>Mechanical Hazards EN 388</p> <p>4 3 4 3 C (P)</p> <p>Protection against impacts (P)</p> <p>From A to F ISO 13997 cut resistance</p> <p>From 0 to 4 Puncture resistance</p> <p>From 0 to 4 Tear resistance</p> <p>From 0 to 4 Couptest cut resistance</p> <p>From 0 to 4 Abrasion resistance</p>	<p>Chemical Protection EN ISO 374-1</p> <p>EN ISO 374-1 / TYPE A U V W X Y Z</p> <p>Resistance to penetration EN 374-2 Breakthrough time ≥30 min for at least 6 chemicals on the list (EN 16523-1)</p> <p>Degradation test according to EN374-4 is undertaken without performance level requirement</p> <p>Letter Code</p> <p>A Methanol B Acetone C Acetonitrile D Dichloromethane E Carbon disulphide F Toluene</p> <p>G Diethylamine H Tetrahydrofuran I Ethyl acetate J n-Heptane K Sodium hydroxide 40% L Sulphuric acid 96%</p> <p>Micro-Organisms Protection EN ISO 374-5</p> <p>The gloves must pass the penetration resistance test EN 374-2.</p> <p>If virus protection is claimed, glove has to pass ISO 16604 method B (Phi-X174 bacteriophage)</p>	<p>EN ISO 374-1 / TYPE B X Y Z</p> <p>Resistance to penetration EN 374-2 Breakthrough time ≥30 min for at least 3 chemicals on the list (EN 16523-1)</p> <p>Letter Code</p> <p>G Diethylamine H Tetrahydrofuran I Ethyl acetate J n-Heptane K Sodium hydroxide 40% L Sulphuric acid 96%</p> <p>M Nitric Acid 65 % N Acetic Acid 99% O Ammonia 25% P Hydrogen Peroxide 30% S Hydrogen Fluoride 40% T Formaldehyde 37%</p> <p>Micro-Organisms Protection EN ISO 374-5</p> <p>For gloves protecting against bacteria and fungi.</p> <p>For gloves protecting against bacteria, fungi and viruses.</p>	<p>EN ISO 374-1 / TYPE C</p> <p>Resistance to penetration EN 374-2 Breakthrough time ≥30 min for at least 1 chemicals on the new list (EN 16523-1)</p> <p>Letter Code</p> <p>M Nitric Acid 65 % N Acetic Acid 99% O Ammonia 25% P Hydrogen Peroxide 30% S Hydrogen Fluoride 40% T Formaldehyde 37%</p> <p>Micro-Organisms Protection EN ISO 374-5</p> <p>For gloves protecting against bacteria and fungi.</p> <p>For gloves protecting against bacteria, fungi and viruses.</p>	<p>Radioactive Contamination EN 421</p> <p>With No Performance Levels</p> <p>Protection Against Pesticides ISO 18889</p> <p>Resistance to diluted pesticides/no mechanical risk ISO 18889 G1</p> <p>Resistance to diluted & concentrated pesticides/mechanical risk ISO 18889 G2</p> <p>Re-entry tasks ISO 18889 GR</p> <p>Protection Against Static Electricity EN 16350</p>	<p>Cold Hazard EN 511</p> <p>3 2 1</p> <p>0 or 1 Water permeability</p> <p>0 or 4 Contact cold resistance</p> <p>0 or 4 Convective cold resistance</p> <p>Heat And Fire EN 407</p> <p>X 2 X X X X</p> <p>From 0 to 4 Resistance to large quantities of molten metal</p> <p>From 0 to 4 Resistance to small drops of molten metal</p> <p>From 0 to 4 Radiant heat resistance</p> <p>From 0 to 4 Convective heat resistance</p> <p>From 0 to 4 Contact heat resistance</p> <p>From 0 to 4 Limited flame spread</p>

Different cuff edging
Depending on your use

- Safety cuff**
Protects the wrist, ease of removal, ventilation of the hand.
- Knitted wrist**
Protects the wrist and stays firmly on the hand.
- Straight cuff**
Better ventilation of the hand.
- Rolled cuff**
Increased resistance to tearing when putting gloves on.
- Scalloped cut**
Long-lasting life.

Shapes, size and thicknesses

- Glove length**
They must be chosen in accordance with the risks associated with the handling circumstances, to give more or less protection to the forearm. They generally vary between 22 and 60 cm
- Glove size**
This depends on the circumference of the user's palm and varies from size 5 to 12. This affects usage comfort
- Glove thickness**
This influences the user's dexterity and the performance

A number of external finishes according to your needs

- Smooth**
Does not mark the handled objects
- Non-slip embossing**
Excellent grip in oily environments
- Pebbled**
Good grip and minimal glove fouling
- Reinforced grip**
Excellent grip in wet environment
- Dot embossing**
Improved thermal insulation

Textile types

- Cotton:**
Comfort, thermal insulation and absorption of perspiration.
- Polyamide:**
Optimised dexterity (thin, seamless).
- Para-aramide (Kevlar® or Twaron®):**
Blade cut and fire resistant.
- High density polyethylene (Dyneema® or Spectra®):**
Comfortable and blade cut resistant.
- Anatomical or ambidextrous gloves**
- Powdered**
Helps when putting on and taking off the gloves without increasing the thickness.
- Chlorinated**
Powder-free treatment which helps when putting on and taking off the gloves without increasing the thickness. Reduces the risk of allergy from natural latex gloves.
- Flocked**
Cotton based textile fibres on the inside of the gloves. Fleeced feel. Good absorption of perspiration for extended use.
- Textile support**
Knitted interior made from cotton or synthetic materials to increase comfort. Particularly suitable for long-term work.

CHEMICAL PROTECTION

Chemical hazards are not confined to the chemical industry. Many people, in a variety of sectors, are faced with chemical risks when handling products which are aggressive to a greater or lesser extent (oils, acids, solvents, etc.).

More than 100,000 chemical substances are now classified (identified by their CAS number).

In order to meet the wide variety of aggressive situations that exist, Mapa Professional offers a wide range of protective gloves designed using polymers, which behave differently and provide different protection according to the situation.

The results of chemical testing and the different chemical classification indices must not be seen as the only factors when selecting a glove.

Actual usage conditions, the contact time with a given chemical, the concentration, the temperature, the usage frequency of a glove and the care conditions can affect glove performance.

All of these factors should be taken into account when choosing the right glove.



Refer to our dynamic database, which is constantly updated, and download the chemical resistance tables for our gloves.

THE MAPA GUIDE: 2 PERFORMANCE INDICATORS

To characterise the performance of the elastomers and plastics used to manufacture safety gloves, tests are carried out to determine the behaviour of these materials when confronted with the various families of chemical products.

Mapa Professional takes these different parameters into account to determine the relative performance of the different families of gloves and hence help you make the best possible choice.

1. PERMEATION TIMES

The permeation time for a given chemical product, i.e. the time taken for the chemical to penetrate the glove, at a molecular level; in some cases, there is no visible deterioration of the glove.

2. DEGRADATION INDEX

The degradation index of the glove in contact with a given chemical product, i.e. the degree of deterioration of the glove shown by an alteration of its physical properties (e.g. softening, hardening, etc.)

SELECT THE MOST APPROPRIATE CHEMICAL GLOVE FOR YOUR NEEDS USING THE THREE STAGES BELOW:

1 Identify which family of chemical products the substance you are handling belongs to

2 Determine the most appropriate protective material for your specific application.

3 Choose your gloves according to the level of protection you require.

			PVC	NATURAL LATEX	NITRILE	POLY-CHLOROPRENE	BUTYL	FLUORO-ELASTOMER
			Common polymers*				Specific polymers**	
			RECOMMENDATION BY MANUFACTURER	• Light protection	•• Strong protection	••• Optimal protection		
ALCOHOLS (methanol 100%)	67-56-1	A		•	•	••	•••	••
KETONE (acetone 100%)	67-64-1	B	•			•	•••	
NITRILES (acetonitrile methyl cyanide 99%)	75-05-8	C				•	•••	•
CHLORINATED SOLVENTS (methylene chloride/dichloromethane 99%)	75-09-2	D						•
SULPHUR-BASED CHEMICALS (carbon disulphide 100%)	75-15-0	E			•			•••
AROMATIC SOLVENTS (toluene 100%)	108-88-3	F			•			•••
AMINES (diethylamine 98%)	109-89-7	G			•			••
ETHERS (tetrahydrofuran (THF) 100%)	109-99-9	H			•	•	•	
ESTERS (ethyl acetate 99%)	141-78-6	I			•	•	•••	
ALIPHATIC SOLVENTS (heptane 99%)	142-82-5	J	•		•••	••		•••
ALKALIS(sodium hydroxide (soda) 40%)	1310-73-2	K	•••	•••	•••	•••	•••	•••
OXIDISING ACID (sulphuric acid 96%)	7664-93-9	L	•	•		••	•••	•••
OXIDISING ACID (nitric acid 65%)	7697-37-2	M	•	•••		•••	•••	•••
ORGANIC ACID (acetic acid 99%)	64-19-7	N	•	•		•••	•••	••
ORGANIC BASE (ammonia 25%)	1336-21-6	O			••		•••	••
PEROXIDE (hydrogen peroxide 30%)	7722-84-1	P		•••		•••	•••	•••
HYDROFLUORIC ACID (hydrogen fluoride 40%)	7664-39-3	S		•••		•••	•••	••
ALDEHYDE (formaldehyde 37%)	50-00-0	T	•••	•••	•••	•••		•••
* The most frequently used materials for manufacturing chemical protection gloves			Value for money Mechanical strength	Excellent flexibility Good puncture and tearing resistance Suitable for cold environments	Good puncture and abrasion resistance No risk of protein-related allergies	Good flexibility Good thermal resistance	Excellent chemical resistance Flexible and elastic	High chemical resistance
** Protection targeted against certain aggressive chemical product families, these are more stringent than for standard materials			Not suitable for handling hot parts	Risk of allergies caused by the proteins in the natural latex	Not recommended for cold environments	Poor mechanical properties	Poor mechanical properties	



9500

DISPOSABLE GLOVES

Disposable nitrile glove extra grip with full textured finishing

Features:

- Premium grade nitrile provides superior protection against harmful chemical splashes
- Unique full texture further enhances grip and tactile sensitivity for safer and more efficient processes in wet or dry
- Superior fitting to prevent hand fatigue
- Chlorination process provides more comfort and reduce tackiness
- Reduce the risk of contamination with silicon-free feature

Materials:	Nitrile
Length:	24 cm
Thickness:	0.10 mm
Interior finish:	-
Exterior finish:	Nitrile
Size:	7 8 9 10

Standards:	EN ISO 374-1 Type B KPT	EN ISO 374-5 VIRUS	CAT.3 CE 2777
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SOLO 977

DISPOSABLE GLOVES

The best chemical protection in disposable range : the compromise between protection and dexterity

Features:

- Good compromise between thickness, suppleness and resistance
- Good grip due to the embossed texture
- Suitable for a wide range of chemical (see the chemical resistance chart)
- Silicone free to prevent traces, defects on metal sheet and glass prior to painting
- Chlorinated for a better doning

Materials:	Nitrile
Length:	24 cm
Thickness:	0.13 mm
Interior finish:	Chlorinated
Exterior finish:	Pebbled
Size:	6 7 8 9 10

Standards:	EN ISO 374-1 Type B JKT	EN ISO 374-5 VIRUS	ISO 18889 G1 CE 0334
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SOLO 997

DISPOSABLE GLOVES

Excellent mechanical resistance, ideal in oily environments

Features:

- Excellent dexterity thanks to flexibility and reduced material thickness
- Recommended for oily environments in industry
- Worn alone or as an outer-glove

Materials:	Nitrile
Length:	24 cm
Thickness:	0.10 mm
Interior finish:	Chlorinated
Exterior finish:	Smooth with pebbled fingertips
Size:	6 7 8 9

Standards:	EN ISO 374-1 Type B JKT	EN ISO 374-5 VIRUS	CAT.3 CE 0334
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CT-125

CHEMICAL GLOVES

Excellent performance against chemical permeation & durability in handling chemical with confident.

Features:

- Provides chemical resistance against a broad range of solvents, oils, animal fats and other chemicals
- For long lasting mechanical resistance
- Diamond finish grip makes wet work easier and safer
- Ergonomic design maximizes comfort

Materials:	Cotton flock, Unsupported
Length:	33 cm
Thickness:	0.40 mm
Interior finish:	-
Exterior finish:	Nitrile
Size:	7 8 9 10

Standards:	EN ISO 374-1 Type B AJKLPT	EN ISO 374-5 VIRUS	EN 388 4101X CE 2777
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CT-135

CHEMICAL GLOVES

Unsupported cotton flocked liner coated on 100% nitrile with textured finishing

Features:

- Provides chemical resistance against a broad range of solvents, oils, animal fats and other chemicals
- For long lasting mechanical resistance
- Bisque finish grip makes wet work easier and safer
- Ergonomic design maximizes comfort

Materials:	Cotton flock, Unsupported
Length:	33 cm
Thickness:	0.40 mm
Interior finish:	-
Exterior finish:	Nitrile
Size:	7 8 9 10

Standards:	EN ISO 374-1 Type B JKT	EN ISO 374-5 VIRUS	EN 388 4101X CE 2777
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ULTRANITRIL 492

CHEMICAL GLOVES

Good mechanical resistance and long-lasting chemical protection

Features:

- Dexterity and comfort, due to the anatomical shape and the quality of the flock-lining
- Longer service life: excellent mechanical resistance (abrasion, perforation)
- Silicone free to prevent traces, defects on metal sheet and glass prior to painting



ULTRANITRIL 480

CHEMICAL GLOVES

Ultra-long chemical protection

Features:

- Longer service life: excellent mechanical resistance (abrasion, perforation)
- Good grip on slippery objects, due to the embossed texture
- Excellent protection during intensive handling of high-risk chemical products
- Silicone free to prevent traces, defects on metal sheet and glass prior to painting



ULTRANE0 450

CHEMICAL GLOVES

Extremely supple with freedom of movement for standard chemical protection

Features:

- Freedom of movement, due to the supple quality of the neoprene and the comfort of the cotton flock-lining
- Good grip due to the embossed texture



BUTOFLEX 651

CHEMICAL GLOVES

Ultimate specific chemical resistance

Features:

- In compliance with the requirement of the norm EN 16350, standard for protective gloves - Electrostatic properties : <1.0 10E5
- Unrivalled flexibility and dexterity
- Ultimate specific chemical resistance, for very corrosive acids, ketones, esters and amine derivatives
- Silicone free to prevent traces, defects on metal sheet and glass prior to painting
- The only Butyl glove on the market with an exclusive embossed exterior finish, meaning slippery objects can be handled without risk.



ULTRANITRIL 381

CHEMICAL GLOVES

Maximum comfort and chemical protection

Features:

- Added comfort and thermal insulation, due to the cotton-knit lining
- Extremely supple, due to the unique Mapa multi-layer process
- Good grip on slippery objects, due to the embossed texture
- Silicone free to prevent traces, defects on metal sheet and glass prior to painting

Materials: Nitrile

Length: 32 cm

Thickness: 0.38 mm

Interior finish: Flocked

Exterior finish: Embossed texture

Size: 6 7 8 9 10 11

Standards: EN 374-1 Type A AJKOPT EN 374-5 VIRUS EN 388 3101X ISO 18889 G2 0334 CAT.3 CE

Materials: Nitrile

Length: 46 cm

Thickness: 0.55 mm

Interior finish: Chlorinated

Exterior finish: Embossed texture

Size: 7 8 9 10 11

Standards: EN 374-1 Type A AJKOPT EN 374-5 VIRUS EN 388 4102X ISO 18889 G2 0334 CAT.3 CE

Materials: Polychloroprene and natural latex

Length: 41 cm

Thickness: 0.75 mm

Interior finish: Flocked

Exterior finish: Embossed texture

Size: 7 8 9 10 11

Standards: EN 374-1 Type A ALMNST EN 374-5 VIRUS EN 388 2121X ISO 18889 G2 0334 CAT.3 CE

Materials: Butyl

Length: 37 cm

Thickness: 0.56 mm

Interior finish: Smooth

Exterior finish: Embossed texture

Size: 7 8 9 10

Standards: EN 374-1 Type A ABCILMNOS EN 374-5 VIRUS EN 388 0010X EN 16350 0334 CAT.3 CE

Materials: Nitrile

Length: 36 cm

Thickness: 0.95 mm

Interior finish: Textile support Mapa Technology

Exterior finish: Embossed texture

Size: 7 8 9 10 11

Standards: EN 374-1 Type A AJKLOPT EN 374-5 VIRUS EN 388 3111A X1XXXX ISO 18889 G2 0334 CAT.3 CE



ULTRANITRIL 410

CHEMICAL & CUT GLOVES

Ideal glove for operations where cut & chemical protection are required

- Features:
- Moderate cut protection for safety work
 - Excellent grip when handling very oily parts that prevents risk from dropping object and reduce muscle fatigue
 - Exceptionally comfortable fabric lining, and seamless knit
 - Added comfort and flexibility, good mechanical resistance
 - Great durability and long-lasting use
 - Excellent abrasion resistance due to the nitrile and pvc coating
 - High-visibility liner to warn the wearer when the chemical barrier is damaged reinforced protection of the forearm thanks to its longer cuff

Materials:	Nitrile and PVC
Length:	35 cm
Thickness:	1.7 mm
Interior finish:	Seamless textile support
Exterior finish:	Non-slip grip
Size:	7 8 9 10 11

Standards:	EN 374-1 Type A KLMNPT	EN 388 4X31C	EN 407 X1XXXX	A3 CUT ISO 13997: 14N (1427G)
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ULTRANE 500

MECHANICAL GLOVES

Grip and skin protection for oily environments.

- Features:
- Color adapted to dirty environments for a prolonged durability.
 - Excellent abrasion resistance due to the nitrile coating
 - Grip and Proof coating ensures an excellent grip in oily environment. It also reduces muscle strain and boost productivity
 - Free of harmful substances: OEKO-TEX® STANDARD 100, DMF Free
 - Oilproof, it repels oil penetration and reduce dermatitis
 - Silicone free to prevent traces, defects on metal sheet and glass prior to painting
 - Washable 3 times at 40°, to extend lifespan, reduce costs and waste

Materials:	Nitrile GRIP&PROOF coating
Length:	22-27 cm
Thickness:	-
Interior finish:	Seamless textile support
Exterior finish:	Ventilated back
Size:	6 7 8 9 10 11

Standards:	EN 388 4121A	EN 407 X1XXXX	CAT.3 ISO 18889	0334	OEKO TEX CO 9792 IFTH STANDARD 100
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ULTRANE 553

MECHANICAL GLOVES

Unbeatable for fingertip precision in dirty environments

- Features:
- Excellent tactile sensitivity and freedom of movement, due to the reduced thickness of the glove
 - Suitable for long-term wear : excellent abrasion resistance
 - Nitrile coating resistant to dirt particles
 - Free of harmful substances: DMF Free
 - Silicone free to prevent traces, defects on metal sheet and glass prior to painting

Materials:	Nitrile
Length:	22-26 cm
Thickness:	-
Interior finish:	Seamless textile support
Exterior finish:	Ventilated back
Size:	5 6 7 8 9 10

Standards:	EN 388 4121A	CAT.3 0334
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C5PUD

CUT RESISTANT GLOVES

The Pro Choice Safety Gear range of hand protection is ideal for protection against risks associated with a wide range of applications in both workplace and recreational environments

- Features:
- 13 gauge EN388:2016 Cut Level D seamless liner
 - Excellent cut resistance without sacrificing comfort or dexterity
 - Grey PU dip for comfort & dexterity
 - Form fitting for comfortable all day wear
 - Breathable liner

Materials:	Grey Engineered Composite 15 Gauge
Length:	23.5-28 cm
Thickness:	-
Interior finish:	Grey Polyurethane (PU)
Exterior finish:	-
Size:	7 8 9 10 11 12

Standards:	EN 388 4X43D	CE
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KYTECH 582

CUT RESISTANT GLOVES

Special Grip&Proof nitrile coating provides better liquidproofness and grip in oily situations

- Features:
- Optimal cut resistance
 - Excellent abrasion resistance increases glove lifetime
 - Grip and Proof coating ensures an excellent grip in oily environment. It also reduces muscle strain and boost productivity
 - Silicone free to prevent traces, defects on metal sheet and glass prior to painting
 - Washable up to 5 times at 60°C, allowing to extend glove lifespan, reducing costs and waste. Free of harmful substances: DMF Free
 - Cut level easy to identify thanks to the marking on the back of the glove.

Materials:	Nitrile
Length:	23-28 cm
Thickness:	-
Interior finish:	Textile support Mapa Technology
Exterior finish:	Embossed texture
Size:	6 7 8 9 10 11

Standards:	EN 388 4X43D	A4 CUT ISO 13997: 18N (1835G)	CAT.2 CE	OEKO TEX CO 9792 IFTH STANDARD 100
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TT555

CUT RESISTANT GLOVES

Excellent grip in light wet/oil condition with nitrile micro granular coating.

Features:

- Excellent grip performance in light wet/oil condition
- Superior cut protection with cut level D performance to prevent cut injury
- High abrasion resistance enhances durability and wear time
- Good dexterity for fine work
- Superior fitting for long working hours



TU540

CUT RESISTANT GLOVES

Good cut performance with comfort fit.

Features:

- Provide protection with cut level C/D to prevent cut injury
- Good grip performance in light wet/oil condition
- Good dexterity for fine work
- Cost effective and nicely fit to hands



TU550

CUT RESISTANT GLOVES

Superior cut performance with reinforce crotch for long lasting use.

Features:

- Provide protection with cut level C/D to prevent cut injury
- Good grip performance in light wet/oil condition
- Good dexterity for fine work
- Reinforced crotch for extra cut protection



KYTECH 643

CUT RESISTANT GLOVES

Comfort, Suppleness & breathability without any compromise on cut protection & durability Can be used with touch devices & touch screen

Features:

- A seamless plaited glove for a maximum comfort, dexterity and flexibility while providing optimal cut protection (Cut level ISO C)
- Extended use guaranteed by our exclusive process RESICOMFORT. Proven breathability, flexibility and durability of the coating.
- Free of harmful substances: OEKO-TEX® STANDARD 100, DMF Free
- Dermatologically approved
- Can be used with touch devices & touch screen
- Silicone free to prevent traces, defects on metal sheet and glass prior to painting
- Washable 1 time at 40°C
- Cut level easy to identify thanks to the marking on the back of the glove.



TEMPDEX 720

THERMAL RESISTANT GLOVES

Dexterity and resistance to cuts for optimised thermal protection

Features:

- Knitted aramide fibres ensures protection from cuts
- Comfort and insulation of the interior terry-cloth
- Longer service life: good abrasion resistance
- Special nitrile Grip coating facilitates work in moderately oily environments
- Free of harmful substances: DMF Free
- Silicone free to prevent traces, defects on metal sheet and glass prior to painting

Materials: 13 gauge HPPE + glass fiber

Length: 24 cm

Thickness: -

Interior finish: Nitrile micro granular

Exterior finish: Ventilated back

Size: 6 7 8 9 10 11

Standards: EN 388 CAT.2
4X42D CE

Materials: 13 gauge HPPE + glass fiber

Length: 24 cm

Thickness: -

Interior finish: PU

Exterior finish: Ventilated back

Size: 7 8 9 10 11

Standards: EN 388 CAT.2
4X42C CE

Materials: 13 gauge HPPE + glass fiber

Length: 24 cm

Thickness: -

Interior finish: PU

Exterior finish: Ventilated back

Size: 7 8 9 10 11

Standards: EN 388 CAT.2
4X42C CE

Materials: Nitrile foam sandy

Length: 23-28 cm

Thickness: -

Interior finish: Seamless textile support from HDPE fibres

Exterior finish: Reinforced grip

Size: 6 7 8 9 10 11

Standards: EN 388 CAT.2 EN 407
4X42C A3 CUT CE X1XXXX
ISO 13997: 13,5N (1325G) STANDARD 100
OEKO TEX CO 9792 IFTH

Materials: Nitrile

Length: 24-28 cm

Thickness: -

Interior finish: Knitted thermal protection

Exterior finish: Dots

Size: 7 9 11

Standards: EN 388 CAT.2 EN 407
4X43B A2 CUT CE X2XXXX
ISO 13997: 7N (714G)

Hand Protection



CGL41B

LEATHER GLOVES



- Finest quality cow grain leather
- Generous leather thickness for extra protection
- Supple feel for greater dexterity
- Wing thumb, stitch-free palm for increased durability and hand feel
- Sizes: S, M, L, XL, 2XL

Standards:



CGL41N

LEATHER GLOVES



- High quality grey cow grain leather
- Wing thumb, stitch-free palm for increased durability
- Colour coded cuff for size identification
- Sizes: S, M, L, XL

Standards:



A260

LEATHER GLOVES



- Made from high quality durable goat leather
- Breathable leather for use in mild and hot climates
- Elasticated cuffs for a secure fit
- Classic leather driver
- Leather palm greatly improves durability
- Durable leather

Standards:



GGL41CR

LEATHER GLOVES



- High Cut Level F protection.
- Premium goat grain leather provides durability and dexterity.
- Wing thumb, stitch free palm for increased durability and relaxed hand feel.
- Reinforced thumb crotch for increased wear point durability.
- Colour coded cuff for size identification.

Standards:



BRW16E

WELDERS GLOVES



- High quality red cow split leather
- Kevlar stitched to withstand high temperatures for longer periods
- Lined and welted
- Reinforced palm to first finger for added durability
- 406mm (16 inches) long for forearm protection
- One size fits all

Standards:



TIGW13

WELDERS GLOVES



- Excellent fit and feel for precision welding.
- Durable deerskin provides unmatched dexterity with lighter weight.
- Sewn with Kevlar thread for maximum seam strength.
- 340mm overall length with a 140mm cuff for added forearm protection.
- Available Sizes - L, XL.

Standards:



TIGWKEV

WELDERS GLOVES



- Supple goatskin leather - durable and tough
- Lined with fine gauge Kevlar interlock knit for precise fit
- Excellent touch sensitivity and dexterity
- Available Sizes - M, L, XL

Standards:



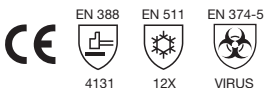
TGP

THERMAL PROTECTION GLOVES



- Removable acrylic wool liner for extra warmth & excellent protection in cold weather applications.
- Soft PVC gives superior feel.
- Sand Grip provides superior gripping power in wet & dry conditions.
- Extended cuff for extra wrist protection.

Standards:



Accessories for Gloves

GLOVE CLIP



- Upper plastic jaw allows securing to belt loop / pocket
- Lower plastic jaw allows gripping of gloves
- Link arm designed to breakaway in the event of glove entanglement
- Never misplace your gloves again

WALL BRACKET PLASTIC

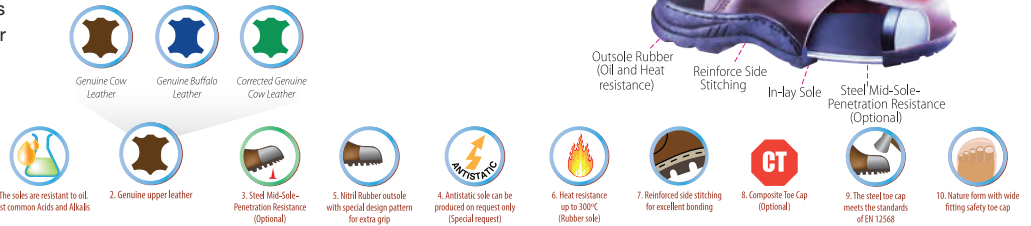


- Clear plastic, disposable glove wall bracket to dispense most Safety Gear disposable gloves
- Sold Individually
- *Does not suit Heavy Duty Glove Range*

A pair of safety shoes (also known as safety boots) is personal protective equipment (PPE) for foot protection at workplaces. It prevents from getting foot injuries due to slippery surface, heavy falling or rolling objects, sharp piercing edges, pinch points, rotary machinery, hot objects, loops of ropes under tension, splinters, electricity, chemicals or even bad weather etc. Occupational Safety and Health Administration (OSHA) requires the employers to ensure that the employees use protective footwear while working in the areas where there are dangers of foot injuries.

Safety shoes come in many styles both formal or informal. However, workers require reliable and durable work shoes for their safety. Traditional safety shoes are steel toed, but it can also be made of composite materials such as thermoplastics and aluminum. Following considerations are to be made for selecting right type of safety shoes for the workers:

- Work environment and associated hazards
- Material used in safety shoes and their effectiveness to resistant hazards
- Water, heat and cold resistance
- Electric resistance
- Puncture and cut resistance



RM2-8839-11

Safety Shoes, Lace Up

Full grain leather.
Steel toecap and steel midsole.
High visibility reflective strips
Nitrile rubber outsole.
Size: 5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M2-8839-11

Safety Shoes, Lace Up

Suede leather collar padding.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Waterproof (with M2-8839-11-WPL).
Kích cỡ: 4-5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M9-8801-11

Safety Shoes, Ez Slip on

Full grain leather.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Size: 4-5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M2-8838-11

Safety Ankle Boots, Lace Up

Suede leather collar padding.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Waterproof (with M2-8838-11-WPL).
Size: 4-5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M9-3308-11

Safety Ankle Boots, Lace Up

Full grain leather.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Size: 4-5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M2-8854-11

Safety Shoes, Lace Up

Safety ankle boot.
Full grain leather.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Size: 5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M9-3320-11

Safety Ankle Boots, Ez Slip on

Full grain leather.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Size: 4-5-6-7-8-9-10-11-13.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M2-8828-08

Safety Ankle Boots, Lace Up

Full grain leather.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Size: 5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



M9-3309-22

Safety Gumboots, Pull on

Full grain leather.
Steel toecap and steel midsole.
Nitrile rubber outsole.
Size: 4-5-6-7-8-9-10-11-12.
Origin: Malaysia.
Steel toe cap, steel mid-plate, impact resistant, slip resistant, acid and alkali resistant, oil resistant, antistatic.
Standards: EN ISO 20344:2004, EN 12568 : 2010, EN 20345



ChemDefend® 110

ChemDefend® 110 range of protective coveralls utilise the latest SMMS nonwoven technology, whereby two layers of meltblown polypropylene barrier films are sandwiched between structural spunbonded polypropylene outer layers. The polypropylene is spun to a fine dtex to create a high fibre density. This delivers a strong breathable material with excellent protection against particulate hazards. For the whole suit the Type 5 Total Inward Leakage figure TIL = 3.71 %.

Fabric Description: SMMS (Spunbond, Meltblown:Meltblown Spunbond).

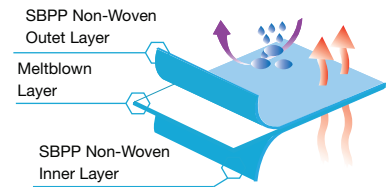
Fabric Weight: 50 gsm.

Seam Type: Stitched - a strong tight seam with high particle barrier properties.

Colour Options: White and Blue

Accessories

Lab Coats Trousers Aprons Jackets Sleeves Overboots Overshoes



- Suitable Applications:
- Dust and particle protection
 - Asbestos removal and handling
 - Handling and mixing of powders
 - General maintenance
 - Construction
 - Wood and Metal processing
 - Touch up paint spraying
 - Handling and mixing of pharmaceutical materials
 - Fibre glass and resin handling, application and mixing

Protection Levels & Additional Properties

TYPE 5-B TYPE 6-B EN 1073-2 EN 1149-5



ChemDefend® 200

The ChemDefend® 200 range of protective coveralls are constructed from a microporous polyethylene barrier film, glued to a spunbonded polypropylene structural layer. This provides a strong and breathable material, with excellent repellency of liquid chemicals. The material is coated with an electrostatic dissipative layer.

Fabric Description: Microporous Polyethylene (PE) Laminate.

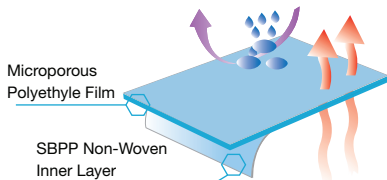
Fabric Weight: 50 gsm.

Seam Type: The garment has both stitched and bound seams, to combine strength, maximum liquid and particle protection and cost effectiveness. Models also available with all seams fully bound and sealed.

Colour Options: White.

Accessories

Lab Coats Trousers Aprons Jackets Sleeves Overboots Overshoes



- Suitable Applications:
- Production environments where dust and low level liquid and chemical spray protection is needed
 - Pharmaceutical industry
 - Automotive industry
 - General paint spraying
 - Boat and ship building
 - Windmill turbine production
 - Handling and mixing of resin compounds
 - Mining
 - Low hazard chemical cleaning

Protection Levels & Additional Properties

TYPE 5-B TYPE 6-B EN 1073-2 EN 1149-5



ChemDefend® 250

The ChemDefend® 250 range of protective coveralls are constructed from a microporous polyethylene barrier film glued to the latest generation of spunbond polypropylene (SBPP). The PP fibres are spun at a low dtex producing a high density of fine fibres per square metre, creating a lightweight and strong, but breathable material. The barrier and repellency to liquid chemicals and biological agents is excellent. This material is coated with an electrostatic dissipative layer.

Fabric Description: Microporous Polyethylene (PE) Laminate with SMMS back panel.

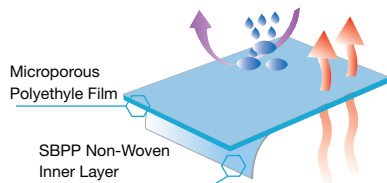
Fabric Weight: 60 gsm.

Seam Type: Bound - which delivers maximum strength and liquid and particle barrier properties.

Colour Options: White.

Accessories

Lab Coats Trousers Aprons Jackets Sleeves Overboots Overshoes



- Suitable Applications:
- Agriculture- pesticide mixing and handling
 - Chemical industry
 - Pharmaceutical industry
 - Cleanroom
 - Electronic sector
 - Nuclear industry
 - Paint spraying within automotive and shipbuilding industries
 - Veterinary and livestock handling
 - Cleaning and remediation
 - Sewage industry

Protection Levels & Additional Properties

TYPE 5-B TYPE 6-B EN 1073-2 EN 1149-5 EN 14126

ChemDefend® 255

The ChemDefend® 255 range of protective coveralls are constructed from the latest generation of microporous polyethylene barrier film, glued to a lightweight but strong, spunbonded polypropylene structural layer. This delivers a durable and breathable material, with excellent barrier and repellency of liquid chemicals in the front of the coverall. The material is coated with an electrostatic dissipative layer.

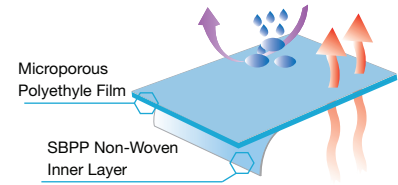
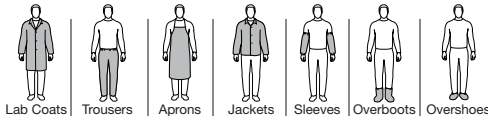
Fabric Description: Microporous Polyethylene (PE)
Laminate with SMMS back panel.

Fabric Weight: 60 gsm.

Seam Type: Bound - which delivers maximum strength and liquid and particle barrier properties.

Colour Options: White.

Accessories



Suitable Applications:

- Agriculture - pesticide mixing and handling
- Veterinary services
- Pharmaceutical mixing and handling
- Paint spraying
- General cleaning and clean up operations

Protection Levels & Additional Properties



ChemDefend® 310

The ChemDefend® 310 series of garments are constructed from a unique nonwoven composite which has been engineered to offer a high level of barrier to the permeation of inorganic chemicals and infective agents. The material provides a good level of comfort, strength and durability. A polyethylene barrier layer is combined with a meltblown polypropylene film, bonded onto a structural spunbonded polypropylene base layer. This construction provides an excellent barrier to liquids under high pressure.

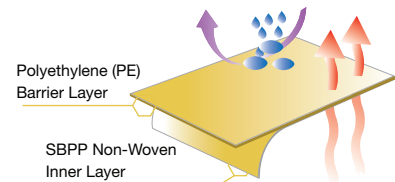
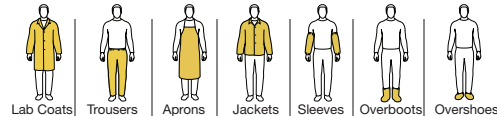
Fabric Description: Polyethylene Barrier material applied to a meltblown and spunbonded polypropylene structural layer.

Fabric Weight: 70 gsm.

Seam Type: Internal stitching which is overlapped the fabric and seam deliver equivalent barrier properties.

Colour Options: Yellow and White.

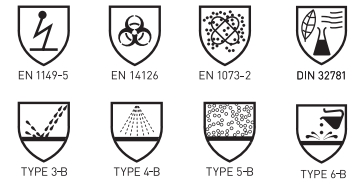
Accessories



Suitable Applications:

- Industrial Cleaning
- General Sanitation
- Sewage and Biohazards
- Petrochemical

Protection Levels & Additional Properties



ChemDefend® 410

The ChemDefend® 410 series of garments are constructed from a unique nonwoven composite which has been engineered to offer a high level of barrier to the permeation of organic, inorganic chemicals and infective agents. The material provides a very high level of strength and durability combined with good levels of drape. A polyethylene and EVOH barrier composite is bonded onto a structural spunbonded polypropylene base layer. The product is made from a highly visible orange composite.

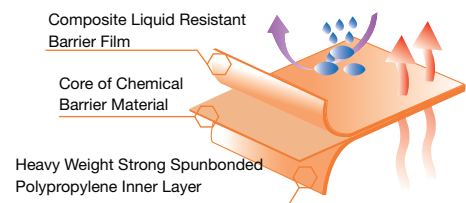
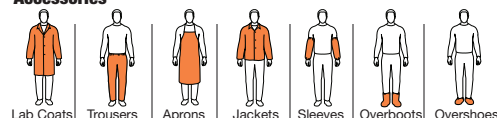
Fabric Description: Polyethylene and EVOH composite barrier material applied to a spunbonded polypropylene structural layer.

Fabric Weight: 155 gsm.

Seam Type: Internal stitching which is overlapped the fabric and seam deliver equivalent barrier properties.

Colour Options: Orange.

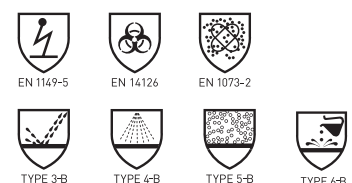
Accessories



Suitable Applications:

- Industrial Cleaning
- General Sanitation
- Sewage and Biohazards
- First Response and Fire Services
- Oil and Petrochemical
- Chemical and Pharmaceutical

Protection Levels & Additional Properties



Face Protection



BG Visor Holder

- One piece design offering 180° head protection made from Polyethylene
 - Ratchet adjustment for ease of adjustment
 - Fits all head sizes 53cm-66cm
 - Cotton sweat band which provides greater sweat absorption
 - QuickLock clips for quick and easy visor replacement
- Certified to AS/NZS 1337.1:2010**



HHBGE Visor Holder

- Ultra high impact rated.
 - Lightweight guard will accommodate visor range and hard hat earmuff range.
 - Attach to Pro Choice Safety Gear hard hats via 25mm hard hat slots.
 - Fitted with QuickLock clips
- Certified to AS/NZS 1337.1:2010**



PFSP16 Visor Holder

- Deluxe aluminum construction
 - Fits most hard-hat
 - Features with plastic coated
 - Suitable for high heat applications
 - Smooth visor fitting
- Certified to AS/NZS 1337.1:2010, EN 166**



PFSP17 Visor Holder

- Lightweight design
 - Engineered with dielectric materials
 - Fits most hard-hat
- Certified to AS/NZS 1337.1:2010, EN 166**



EVO® Inter Visor Holder

Visor carriers allow use of faceshields with helmets. Clips into universal slot ear defender housing for the Evolution® range. Clips into universal ear defender housing Compatible with Evolution® Helmet Range ABS



EVO® Surefit™ Visor Holder

Visor carrier for mounting Surefit™ visors to EVO® helmets with badge holders. Compatible with Sonis®, InterGP™ InterGPV™, InterEX™, and InterEXV™ helmet mounted ear defenders only. Made from ABS.

Visor Materials

Polycarbonate

- Polycarbonat visor material is best to select for resistance to impact and waterbased liquids (biological, acids, weak solvents).
- Polycarbonate visors have a safe operating temperature of 105°C (material will start to distort and warp when it reaches its maximum temperature).
- Polycarbonate visors come in three thicknesses: 1mm, 1.5mm and 2mm:
 - 1mm và 1.5mm polycarbonate visors provide high impact protection.
 - 2mm polycarbonate visors provide extra high impact protection.

Certified to AS/NZS 1337.1:2010

Thermoguard+

- Thermoguard+ visors provide high impact protection and good protection against high heat and chemical splash.
- For chemical (C) splash resistance and molten metal/ hot solids (M).
- Thermoguard+ visors have a safe operating temperature of 125°C (material will start to distort and warp when it reaches its maximum temperature).
- Thermoguard+ visors come in 1mm thickness providing high impact protection.

Certified to AS/NZS 1337.1:2010

Chinguard wide flare.

Shaded

- For use with welding operations.
- Shade 2 for low levels of light radiation.
- Shade 5 visors give protection against liquid splash, high glare and ultra violet radiation.

Part number	Material	Thickness	Colour	Size	Type	Molten meal & hot solids	Extra high impact	High impact	Medium impact	Low impact	Chemical splash resistant	Outdoor use
ANX060-230-000	Polycarbonate	1 mm	Clear	530x620mm	Visor	•		•			•	•
ANX010-230-000	Acetate	1 mm	Clear	530x620mm	Visor	•		•			•	•
VCE	Thermoguard+	2 mm	Clear	204x380 mm	Visor	•	•				•	•
VC	Polycarbonate	2 mm	Clear	205x405 mm	Visor	•	•				•	•
VCGC	Polycarbonate	2 mm	Smoke	260x410 mm	Visor with Chinguard	•	•				•	•
VS5	Polycarbonate	2 mm	Green	205x405 mm	Shade 5 Visor	•	•				•	•
VCGS	Polycarbonate	2 mm	Smoke	260x410 mm	Visor with Chinguard	•	•				•	•
PFVI-1	Polycarbonate	2 mm	Clear	205x405 mm	Visor	•		•			•	•
PFVI-6	Polycarbonate	2 mm	Clear	205x405 mm	Visor with Chinguard	•		•			•	•

SE2741 Welding Helmet

A straight shell welding helmet connected to the helmet with slots, 2" x 4-1/4" flip front lens for easy welding and inspecting. Lenses and helmet sold separately.



Part number	Size	Len material	Description
SE2820	2" X 4.25"	Polycarbonate	Welding clear lens
SE2821	2" X 4.25"	Polycarbonate	Welding filter lens, Shade 10/11
SE2830	90 X 110 mm	Polycarbonate	Welding clear lens
SE2831	90 X 110 mm	Polycarbonate	Welding filter lens, Shade 11

F622 Disposable Mask FFP2V



Disposable vertical fold flat mask with mouldable nose bridge and foam pad on the inside for comfort and a firmer fit.

Specifications

Classification: FFP2
Usage: Non-Reusable
Minimum Filtration Efficiency: 94%
Latex free: Yes
Mask Material: Polypropylene
Filter Shelf Life: 5 Years
Product Weight: 22g
Standards: EN 149

Features



Foam Padded Nose Bridge
A mouldable nose bridge and foam pad on the inside for comfort and a firmer fit.



Toggle Adjustment
Toggle adjuster on each strap to achieve an effective facial fit.



Folds Flat
Fold flat design is compact and easy to carry in a pocket.



Exhalation Valve
Low resistance exhalation valve for easy breathing.

Typhoon™ Disposable Mask FFP20V



Moulded mask featuring our unique Typhoon™ Valve technology for extremely low exhale breathing resistance, and low CO₂, heat and moisture build up.

Specifications

Classification: FFP20V
Usage: Non-Reusable
Minimum Filtration Efficiency: 94%
Latex free: Yes
Mask Material: Polypropylene
Filter Shelf Life: 5 Years
Product Weight: 21 g
Standards: EN 149

Features



Comfort
A 360° comfort foam area around the inside of the mask provides a perfect fit and maximum resistance.



Fit
The welded nose piece prevents any irritation, misshaping and gives a tighter fit. Adjustable strap means it can be fitted comfortably to all head sizes and shapes.



Typhoon™ Valve
The Unique Typhoon™ valve has been designed to reduce breathing resistance, heat and moisture build-up. The valve is unaffected by any moisture, and therefore can be used with the same Fit performance under very low temperatures.



Carbon Filter
Features an activated carbon filter layer, providing effective relief from nuisance odours (<WEL) for improved user comfort. Able to block organic and acid gases and vapours with concentrations under the WEL.

SpringFit™ Disposable Mask FFP2



The SpringFit™ fold flat disposable mask achieves an unrivalled secure fit with the use of a unique endoskeleton structure. SpringFit™ introduces an abundance of features that maximise fit, comfort, compatibility and performance.

Specifications

Classification: FFP2
Usage: (Non-Reusable)
Minimum Filtration Efficiency: 94%
Latex free: Yes
Mask Material: Polypropylene
Filter Shelf Life: 5 Years
Product Weight: 22g
Standards: EN 149

Features



Endoskeleton Structure
The internal skeleton frame guarantees that each mask keeps its shape, increasing performance and maintaining rigidity. The integrated spring feature absorbs facial movements ensuring a secure face fit and seal.



Compact
The fold flat design makes SpringFit™ more compact, and easily pocketed. SpringFit™ is also individually packed to ensure a high level of hygiene.

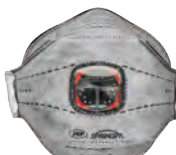


Compatibility and Vision
The low profile design of the SpringFit™ provides exceptional compatibility with other above the neck PPE, such as eyewear. The low profile also offers an improved field of vision for the wearer.



Comfort
The welded nose piece gives a tighter fit and minimises irritation. The adjustable strap means that SpringFit™ can be fitted comfortably to all head sizes and shapes. A foam area around the inside of the mask provides a comfortable fit.

SpringFit™ Disposable Mask FFP3



The SpringFit™ fold flat disposable mask achieves an unrivalled secure fit with the use of a unique endoskeleton structure. SpringFit™ introduces an abundance of features that maximise fit, comfort, compatibility and performance.

Specifications

Classification: FFP3
Usage: (Non-Reusable)
Minimum Filtration Efficiency: 99%
Latex free: Yes
Mask Material: Polypropylene
Filter Shelf Life: 5 Years
Product Weight: 21 g
Standards: EN 149

Typhoon™ Valve



The Unique Typhoon™ valve has been designed to reduce breathing resistance, heat and moisture build-up. The valve is unaffected by any moisture, and therefore can be used with the same performance under very low temperatures.

Carbon Filter (For SpringFit™ FFP3)



Features an activated carbon filter layer, providing effective relief from nuisance odours (<WEL) for improved user comfort. Able to block organic and acid gases and vapours with concentrations under the WEL.

UNIX 1100 Half Mask

Head Harness

Easily adjustable head harness a perfect fit for every face type

Mask Body

Improved face seal, designed with all the anatomical features of the facial structure, ensures a tight and stable fit on the face

Materials

All materials used in the UNIX half masks are hypoallergenic and stable to mechanical and chemical influences, ensuring long-term service life.

Half Mask Design

Small sized, soft and comfortable half mask applies minimal pressure to the face, providing wearing comfort.

Bayonet-filter Connection

Quick and safe connection of replaceable filters.

Disassembled Format

Can be disassembled, cleaned and reused quickly and easily.

Accessories:



Waist bag for storage and transportation as an additional offer.



Technical data

Initial airflow resistance during inhalation at a constant volumetric flow rate of 160 dm ³ /min, Pa (mm wc), not more than:	- during inhalation: 127,5 - during exhalation: 196,0
Half-mask constant airflow resistance during exhalation at a flow rate of 30 dm ³ /min, Pa (mm wc), not more than:	29,5
Weight, not more than:	29,5 g
Size:	1, 2, 3
Material:	Silicone
Shelf life:	5,5 years

Filter with bayonet connection

Full face mask are used together with the comprehensive range of gas filters of UNIX 500 series and particle of UNIX series. Filters comply with EN 14387 and EN 143 standards.

UNIX 500 gas filter

UNIX 223 particle filter

UNIX 303 particle filter

UNIX particle filter

Filter retainer



UNIX 5100 Full Face Mask

Full face masks of the UNIX series supplied with gas or particle filters are designed to protect respiratory organs, face and eyes from vaporous and gaseous harmful substances and aerosols, while providing a comfortable wearing for the duration of the shift.

Full face masks of the UNIX series are used with the same filter system UNIX as half masks of the UNIX series. Tested in accordance with EN 136:1998.



Five-point Head Harness with self-tightening buckles
Quick adjustment and secure fit

Panoramic Visor
The visor is constructed from high-strength polycarbonate ensuring increased durability and a wide field of view

Double-sided Bayonet Connection
Balanced weight distribution

Speech Diaphragm
Optimal possibility for clear and easy communications

Materials
All used materials are soft, stable to mechanical and chemical influences and hypoallergenic for wearing comfort and durability.

Technical data

Initial airflow resistance during inhalation at a constant volumetric flow rate of 160 dm³/min, Pa (mm wc), not more than:	- during inhalation: 250 - during exhalation: 300
Material:	- head harness: silicone - face seal: silicone - inner mask: silicone
Weight, not more than:	680 g
Size:	Universal
Shelf life:	10 years

Filter with bayonet connection

Full face mask are used together with the comprehensive range of gas filters of UNIX 500 series and particle of UNIX series. Filters comply with EN 14387 and EN 143 standards.



UNIX 6100 Full Face Mask

Fields of application Chemical, petrochemical, metallurgical, machine-building, including car manufacturing, aircraft, shipbuilding, woodworking, pulp and paper, pharmaceutical, food industry, medicine, agriculture, construction, painting, welding, quarrying operations.

Technical data

Initial airflow resistance during inhalation at a constant volumetric flow rate of 160 dm³/min, Pa (mm wc), not more than:	- during inhalation: 250 - during exhalation: 300
Material:	- head harness: silicone - face seal: silicone - inner mask: silicone
Weight, not more than:	480 g
Size:	1, 2, 3
Shelf life:	10 years

Filter with bayonet connection

Full face mask are used together with the comprehensive range of gas filters of UNIX 500 series and particle of UNIX series. Filters comply with EN 14387 and EN 143 standards.



Silicone version

- increased strength of the head harness, face seal and inner mask
- elasticity of the mask when exposed to high and low temperatures

Mounting on the head

- convenient adjustment of the head harness allows to put on and remove the mask quickly
- head harness with four mounting points

Mask housing

- low profile - compatible with protective helmets

Panoramic glass made of polycarbonate

- the field of vision is more than 80 %
- mechanical strength

Additional options

- glass with protection from fogging and scratches
- replaceable protective film

Speech device

- speech intelligibility
- ability to work with means of communication

Bayonet connection of filters

- fast and reliable one-click filter replacement

Exhalation valve

- has a protective screen
- exhale downwards - no effect of air flow on the work surface
- ability of exhalation valve disk cleaning

Three sizes of panoramic mask

- easy selection for people with different face size and shape
- Low weight - not more than 480 g



MAG Series Full Face Mask

For more than 10 years MAG masks have been protecting workers of industrial enterprises engaged in conditions of high air pollution level from a various number of factors, such as: harmful gases and vapors, aerosols (dust, smoke, fog), or their combinations.

MAG series full face masks are to be used with DOTpro filters in plastic version and DOT in metal version with thread connection.



5-point headband with self-tightening buckles ensures fast and reliable fit on the head

Increased strength of the sight glass

Wide panoramic view

EN 148-1 standard thread connection for filter junction

Two choices of the inner mask, facepiece seal and headband material: rubber (MAG) and silicone (MAG-4)

The mask material resistance to the action of aggressive substances makes it suitable for various working conditions (EN 136 Class 2)

Double seal allows for one universal mask size

Technical data

Connection type:	Thread EN 148-1
Size:	One universal size
Material:	Silicone
Shelf life:	10 years

Thread filters to be used completed with MAG series full face masks.



Our special offer: prolonged filter protection time

1. DOT and DOTpro filters have extended protective power time in comparison with the requirements of EN 14387 standard (data provided below)

2. Reusable filters for protection against carbon monoxide (DOT M 460) and nitrogen oxides (DOTpro M 600)

AerGO®

CleanAIR® AerGO® is a universal powered air purifying respirator designed for personal respiratory protection in dusty industrial environments including areas with contaminants in the form of gases and vapours. The unit is supplied with a control system providing constant air flow and with an advanced electronic system for warning the wearer in case of a sudden decrease of airflow or of a low battery charge. The ergonomic design, low weight and slim profile of the unit guarantee a high level of user's comfort, even in environments where the movement scope is limited. The unit is compatible with a wide range of CleanAIR® headpieces for various industrial applications.

Features & Benefits:

- Lightweight and ergonomic
- Slim profile of the unit – only 65 mm
- Versatile in use – filtration of particulates as well as gases/vapours
- Simple one-button operation with a new clear display
- Built-in barometric sensor with automatic adjustment of air flow depending on altitude
- Adjustable airflow at four levels: 160/175/190 and 210 lpm
- Flow Control system maintains constant airflow regardless of the level of filter clogging or battery charge
- Operation time up to 20 hours with Heavy Duty battery, or up to 10 hours with standard battery
- Short battery recharging time < 3 hours (standard battery)
- Audio, visual and vibrating alarm indicating a low airflow or a low battery charge
- Unique filter design ensures the perfect seal by every filter change

Technical data	
Air flow	160 lpm and 210 lpm
Operation time*	up to 10 hours with Standard battery more than 20 hours with Heavy Duty battery
Weight	980 g (incl. standard battery)
Noisiness	max. 70 dB
Dimensions	235 mm / 126 mm / 65 mm
Battery Standard	Li-Ion 14,4 V / 2,6 Ah
Battery Heavy Duty	Li-Ion 14,4 V / 5,2 Ah
Certification	EN 12941 TH3

* Measured with airflow 160 lpm, fully charged battery and clean particle filters



Chemical 2F

Despite its compact design and low weight, Chemical 2F is characterized by outstanding durability, chemical resistance and increased ingress protection. The thought-out design with a smooth surface allows easy decontamination by shower or even full immersion. The unique automatic closing system prevents unwanted contamination while the filters are being changed. The smart Flow Control system maintains the airflow on the constant level regardless filter clogging or low battery charge. Audiovisual alarm indicates when the battery charge and/or filter replacement is required. Adjustable airflow from 120 up to 235 lpm is available during the whole shift no matter of the type of the filter thanks to optional Heavy Duty battery.

Features & Benefits:

- Compact design and low weight
- Compatible with a hood, mask or ventilated protective suit
- High mechanical and chemical resistance
- Increased ingress protection allows decontamination by shower or even full immersion (IP64/IP65/IP68)
- Full colour display clearly shows all the relevant information – filter clogging, battery charge, airflow
- Flow Control system maintains constant airflow regardless of the level of filter clogging or battery charge
- Operation time up to 16 hours with Heavy Duty battery, or up to 10 hours with standard battery
- Short battery recharging time < 3 hours (standard battery)
- Audiovisual alarm
- Multilingual user interface
- Back harness available for increased comfort

Technical data	
Air flow – adjustable	120-235 lpm
Operation time*	up to 10 hours with Standard battery more than 16 hours with Heavy Duty battery
Weight	960g (including battery)
Noisiness	max. 62 dB
Dimensions	240 mm / 110 mm / 120 mm
Battery Standard	Li-Ion 14,4 V / 2,6 Ah
Battery Heavy Duty	Li-Ion 14,4 V / 5,2 Ah
Certification	EN 12941 TH3, EN 12942 TM3



Pressure Flow Master

CleanAIR® Pressure Flow Master systems create a constant airflow in hoods and masks and are therefore suitable for long-term work in the heaviest industrial environments. The regulator on the belt unit can adjust the amount of air coming from the central compressed air distribution system or a compressor and keeps it at a constant level without regard to the changes of inlet pressure.

Features & Benefits:

- Low weight
- Economical operation
- High levels of airflow
- Warning low pressure system
- Option of filtration of supplied air with CleanAIR® Conditioner
- Compatible with a wide range of CleanAIR® headtops

Technical data	
Air flow – adjustable	160–250 lpm
Inlet pressure	400–1 000 kPa
Weight	280 g
Inlet connection	Inlet connection
Outlet connection	CA40×1/7"
Certification	EN 14594, class 3B



Respiratory Protection

Short Hood CA-1

This short light hood is an optimal solution for respiratory protection and face protection in dusty and light chemical environments where no further mechanical protection is required. In combination with PAPR or airline systems CleanAIR® it reaches the highest level of respiratory protection. It perfectly fits to various head types due to adjustable headgear and comfortable elastic rubber band. The distance of the visor can be set individually, as well as the perimeter of the headgear. The light nylon fabric and spacy cut makes it pleasant to wear even for long time work. The wide panoramic visor with antifog coating ensures undisturbed view and provides basic mechanical protection of the eyes.

Features & Benefits:

- Superior breathing protection
- Wide visor with antifog coating
- Individual headgear settings – adjustable perimeter and distance from the visor
- Pleasant to wear due to the spacy cut and light weight durable material
- Basic mechanical protection of the eyes
- Practical reflective tab on the top
- Longer option CA2 covering neck available



Long Hood CA-2

This long light hood ensures respiratory protection and protection of the head, neck and shoulders in dusty environments where no further mechanical protection is required. In combination with PAPR or airline systems CleanAIR® it reaches the highest level of breathing protection. It perfectly fits to various head types due to adjustable headgear and comfortable elastic rubber band. The distance of the visor can be individually set, as well as the perimeter of the headgear. The light nylon fabric and spacy cut makes it pleasant to wear even for long time work. The wide panoramic visor with antifog coating ensures undisturbed view and provides basic mechanical protection of the eyes.

Features & Benefits:

- Superior respiratory protection
- Wide visor with antifog coating
- Individual headgear settings – adjustable perimeter and distance from the visor
- Pleasant to wear due to the spacy cut and light weight durable material
- Provides full protection of the eyes according to EN 166
- Practical reflective tab on the top
- Protection of the upper part of the body



UniMask®

The highest level of breathing protection with enhanced inner airflow regulation and a visor with excellent optical and mechanical features make this universal light face shield a true leader of its class. UniMask is light (just 380 g) and offers excellent user's comfort – the inner airflow regulation allows the user to set direction and intensity of the air to be delivered to the face or directly into the breathing zone. The users can opt for a soft textile or a neoprene face seal according to their preferences. The visor provides clear and undisturbed view of the highest quality (class 1 according to EN 166), high mechanical resistance and anti-fog coating. UniMask is easy to use and all spare parts are quickly and easily removable which enables fast and simple maintenance.

Features & Benefits:

- The highest class of breathing protection TH3.
- Enhanced inner airflow regulation.
- Light weight – only 380g.
- Excellent optical quality EN 166 class 1.
- High mechanical resistance of the visor.
- Anti-fog coating.
- Safety helmet compatible.
- Neoprene or textile face seal option.
- Easy to use and adjust.
- Fast and simple maintenance.



Safety Helmet CA-40GW

Multi-purpose safety helmet with a welding and grinding shield provides 5 levels of protection at once: eye, face, head, respiratory and optional hearing protection. Stable flip-up is compatible with auto-darkening filters or passive filters in dimension of 110x90 mm. Superb quality visor with anti-fog / anti-scratch coating guarantees excellent field of vision and increased durability. The easy to change DIN4 or DIN5 visor expand the system to the perfect protector for efficient Plasma or Oxy cutting. The product is suitable for the most challenging welding tasks including welding preparations (positioning, clamping) and further surface operations (grinding, cleaning, polishing).

Features & Benefits:

- Multiple protection – 5 levels of protection at once: eye, face, head, respiratory and optional hearing protection.
- Easy to wear, easy to use and easy to maintain system.
- Compatible with ADFs or passive filters 110x90 mm.
- Superb quality spherical visor guarantees an excellent field of vision.
- Anti-fog coating prevents the visor from fogging.
- Anti-scratch coating increases the mechanical durability of the visor.
- Shade 4, shade 5 and yellow visors available.
- Enhanced robustness – protection against high-speed particles with HIGH energy.
- In-built air distribution system.
- The highest standard in respiratory protection – TH3.



Protective Shield CA-4

This popular light protective shield with a wide acetate visor provides respiratory protection and face protection against splashing chemicals. The visor offers a broad and clear field of vision, high chemical resistance and protection against liquid spraying.

Attention! There are two types of shield acetate and polycarbonate. Acetate type of visor is not recommended for grinding operations. It provides protection against liquid spraying in accordance with the standard EN 166.

Features & Benefits:

- Combined respiratory protection and protection of the head, face and ears.
- Wide field of vision.
- Anti-fog coating.
- Comfortable adjustable headgear.



Omnira COMBI Air

Autodarkening welding helmet with an advanced built-in air distribution system and flip-up welding shield. Provides protection of the user's eye and face from harmful radiation including visible light, ultra-violet (UV), infra-red (IR) radiation, hot sparks and spatters resulting from arc welding and cutting. At the same time it provides protection against high speed particles.

Features & Benefits:

- The flip-up front can be lifted up whenever the wide undisturbed view is needed
- The flip-up system allows you to switch between welding and grinding without compromising respiratory protection
- The highest respiratory protection and more comfort thanks to an advanced built-in air distribution system
- True colour ADF with the highest optical quality 1/1/1/1
- Fast and easy replacement of all spare parts



iEvac®

The iEvac® Hood has twin cartridges for easier breathing. The iEvac® Hood will provide up to 15 minutes for a safe evacuation from carbon monoxide.

Features

- Maintenance-free
- At 9.5 in. (240mm) can withstand up to 1700°F (927°C) in radiant heat
- Twin cartridges for easier breathing
- Improved field of view than with single cartridge in front
- Hood is a clear material resulting in an unobstructed field of view
- High visibility reflective strips for easy recognition
- Highest level of protection maintained by silicone neck dam
- Protects lungs, head, eyes, and face
- Can be used with eyeglasses, beards, and long hair
- Packaged in puncture- and water-proof laminate barrier
- Quick and easy donning
- Latex-free
- One universal size

The iEvac® Protects against:

- Carbon Monoxide
- Hydrogen Sulfide
- Additional Toxic Gases: sarin, smoke, hydrogen cyanide, chlorine, ammonia, sulfur dioxide, tear gas, OC, and more
- Harmful Particulates: soot, fumes, aerosols, and others
- Contains a HEPA P100 filter that removes sub-micron particles such as ebola, anthrax, ricin, smallpox, and radioactive particles
- Life-Threatening Physical Hazards: flammability and radiant heat

iEvac is currently being used nationwide by federal, state, local government agencies, all branches of the military, Fortune 500 companies, transit authorities, sporting arenas, marine, aviation, hospitals, homeowners and more. iEvac has also achieved overwhelming acceptance internationally for its groundbreaking technological advantages and is currently being used in over 40 countries.



Poliblitz ABEK 15

In the event of unexpected and sudden presence of toxic substances at workplace and anywhere, heavy damage could occur to whom who have to breath contaminated air. The immediate use of protective devices can easily assure the user breathable air, provided the oxygen level in the environment is enough. The sooner is the donning of the device, the lesser the damage for the user will be.

The respirator is available in POLIBLITZ ABEK 15 "Ex" version: ATEX approved, according to the 94/9/EC ATEX Directive. It is suitable for use in potentially explosive atmospheres. The device is of Group II (for civil and industrial environments); Category 1, for 0 and 20 zones (by far the zones with the highest risk of explosion).

- One size fits all faces.
- Very quick donning.
- Equipped with exhalation valve.
- Its protection can be completed by a pair of gas goggle Type 888.
- The filter can be replaced after use.
- Weight: approx. 410 g



Blitz 15

BLITZ 15 is an escape device with ABEK filter, equipped with a mouthpiece and a nose clip. It protects against industrial gases and vapours.

BLITZ 15 protects respiratory organs from organic vapours and gases with a boiling point higher than 65 °C, inorganic vapours and gases, acidic and basic vapours and gases.

- Protection is limited with respect to compounds with a boiling point lower than 65°C and in highly toxic concentrations.
- The device does not protect from carbon monoxide or oxygen lack, since it does not provide oxygen.
- The duration of respirator Blitz 15 is 15 minutes.



Sèkur escABEK

In the event of unexpected and sudden presence of toxic substances at workplace and anywhere, heavy damage could occur to whom who have to breath contaminated air. The immediate use of protective devices can easily assure the user breathable air, provided the oxygen level in the environment is enough. The sooner is the donning of the device, the lesser the damage for the user will be.

- This device is for a single use only.
- The duration of respirator Sèkur escAPE is 15 minutes.
- Weight:
 - Product ready to use: 360gr
 - Product with carrying case: 500gr



Sèkur escCAPE

In the event of unexpected and sudden presence of toxic substances at workplace and anywhere, heavy damage could occur to whom who have to breath contaminated air. The immediate use of protective devices can easily assure the user breathable air, provided the oxygen level in the environment is enough. The sooner is the donning of the device, the lesser the damage for the user will be.

Sèkur escABEK is a disposable escape device, with a mouthpiece and a hood, especially developed for the evacuation from industrial areas in case of chemical accidents.

Sèkur escABEK è available in 2 configurations:

- EscABEK P 15: protects against gases and dusts (class P2);
- EscABEK P3 15: has been additionally certified in conformity to EN 14387, thus resulting an A1B1E1K1 P3 filter device;
- Both devices do not protect against carbon monoxide;
- The duration of respirator Sèkur escABEK is 15 minutes.
- Total weight is 450 grams.

Respiratory Protection

PARTICLE FILTERS - Particle filters trap and hold particles (solid and liquid aerosols including dust, mist, smoke, microorganisms) from the air flowing through. Particle filters are classified according to their efficiency and are marked with letter „P“ followed with a number indicating efficiency, or the level of protection provided.

Particle filter classification according to EN 143

Class	Efficiency (%)	NPF	Maximum permitted penetration		Assigned protection factor*		
			NaCl	Paraffin oil	D	FIN	UK
P1	Low (80,00%)	5	20 %	20 %	4	4	4
P2	Medium (94,00%)	16	6 %	6 %	15	15	10
P3	High (99,95%)	2 000	0,05 %	0,05 %	500	400	40

GAS / VAPOUR FILTERS - These filters are designed to remove gases or vapours as specified by the manufacturer. Gas / vapour filters are classified according to their capacity and the type of substance(s) they can be used against to. Their capacity refers to how much of the specified contaminant they can sorb (as measured in a laboratory test at set conditions). In general we can say, that gas filters of Class 2 may be used at higher concentrations or for a longer time than class 1 filters.

COMBINED FILTERS - Combined filters provide protection against both hazardous gases and vapours as well as particles

Gas / combined filter capacity requirements

Classification	EN 14 387 negative pressure respirators			EN 12 941, EN 12 942 powered air purifying respirators		
	Class 1	Class 2	Class 3	Class 1	Class 2	Class 3
Capacity	LOW	MED	HIGH	LOW	MED	HIGH
Concentration of the test gas	0,1 %	0,5 %	1,0 %	0,05 %	0,1 %	0,5 %

Filter type	Test gas	Minimum breakthrough time			Minimum breakthrough time		
A	Cyclohexane C6H6	70 min	35 min	65 min	70 min	70 min	35 min
B	Chlorine Cl2	20 min	20 min	30 min	20 min	20 min	30 min
	Hydrogen sulphide H2S	40 min	40 min	60 min	40 min	40 min	40 min
	Hydrogen cyanide HCN	25 min	25 min	35 min	25 min	25 min	35 min
E	Sulphur dioxide SO2	20 min	20 min	30 min	20 min	20 min	20 min
K	Ammonia NH3	50 min	40 min	60 min	50 min	50 min	40 min

Special filters

Filter type	Test gas	Test gas concentration	Minimum allowed breakthrough time
AX	Dimethyl ether	0,05 v%	50 min
	Isobutane	0,25 v%	50 min
Hg-P3	Mercury, Hg vapour	1,6 ml/mg	100 hour
NOP	NO, NQ	0,25 v%	20 min

Table: Quick selection of the filter

Work activity		Filter class
Spraying	Solvent-based varnishes	AP
	Synthetic lacquers	AP
	Isocyanate colors	AP
	Dispersion paint	AP
	Agricultural pesticides and insecticides	AP
Handling of these substances	Fungi / spores from mushrooms	P
	Bacteria, Viruses	P
	Soot from diesel / smoke	P
	Cleaning with technical petrol/gasoline	AP
	Adhesive glue with organic soluble content	AP
	Acidic gases like H ₂ S, SO ₂ and HCl	BEP
	Sulfur dioxide	ABEP
	Hydrochloric acid (hydrochloric acid)	ABEP
	Mixture of solid and liquid feces	ABEKP
	Ammonia	ABEKP
	Storage / transport of dangerous substances	ABEKP
Other	Mercury and its compounds	ABEKHgP
	Asbestos remediation	P
	Industrial dust	P
	MIG & MAG welding / plasma cutting	P

HOW LONG DOES THE FILTER LAST?

The service life of a filter depends on its size (active surface of particle filter media and/or volume of charcoal), conditions of use and following factors:

- Type, characteristics and concentration of the contaminants
- Breathing volume and work rate
- Air humidity
- Temperature

The minimum breakthrough times given are intended only for laboratory tests under standardized conditions. They do not give an indication of the possible service time of the filter in practical use. Possible service times can differ from the breakthrough times determined according to this document in both directions, positive and negative depending on the conditions of use.

The end of service life can be recognized by

Particle filter - Increased breathing resistance of the filter. Drop of the air flow, or triggering the „low airflow“ alarm when used in combination with PAPR.

Gas filters - *A noticeable taste or smell of the contaminant.

Combined filters - *A noticeable taste or smell of the contaminant and/or increased breathing resistance of the filter. A noticeable taste or smell of the contaminant and/or drop of the air flow, or triggering the „low airflow“ alarm when used in combination with PAPR.

* Does not apply when the contaminant does have low warning properties

Colour code	For use against
Brown A	Organic gases and vapours (boiling point above 65 °C) Class 1, 2, 3
Brown AX	Organic gases and vapours (boiling point at or below 65 °C) Single use only; AX filters are only specified for one class
Grey B	Inorganic gases and vapours Class 1, 2, 3 Do not use against carbon monoxide
Yellow E	Acid gases Class 1, 2, 3
Green K	Ammonia and its organic derivatives Class 1, 2, 3
White P	Particles Class 1, 2, 3
Red Hg	Mercury Must include P3 particle filter. Maximum use time 50 hours Special filter are only specified for one class
Black CO	Carbon Monoxide
Blue NO	Nitrous gases, including nitrogen monoxide

Table: Filter selection based on a welding method

Material to be welded	Well ventilated environment	Environment with limited ventilation	Restricted space
Aluminium	P	ABEP	SA
Stainless steel	P	ABEP	SA
Steel non-coated, lead based painted or galvanised	P	SA	SA
Steel coated with 2-component paints or cleaned with trichloroethylene	SA	SA	SA

Filter for UNIX Series

Purpose & Conditions of use:

UNIX series filters with bayonet connection are designed to clean the inhaled air from harmful vaporous and gaseous substances and particles as part of full face masks and half-masks of UNIX series. Filters are applied when the volume content of oxygen in the air is not less than 17%.

Available Range:

1. Gas filters of UNIX 500 series protect from one or more harmful substances.
 2. Particle filters UNIX 223 P3 protect against particles and harmful gases and vapors up to 1 TLV.
 3. Particle filters UNIX 303 P3 D filter of the closed type, designed for operation in conditions of high humidity.
 4. Particle prefilters UNIX P1, P2, P3 together with gas filters of UNIX 500 series provide combined protection.
- Join them with a retainer.

Guaranteed Shelf Life:

Gas filters of UNIX 500 series – 5.5 years

Particle filters UNIX 203 P3 D - 3.5 years

Particle filters UNIX P1, P2, P3, UNIX 223 P3 D, UNIX 303 P3 D – 5.5 years

Certificates:

1. Gas filters of UNIX 500 series : EN14387:2004+A1:2008.
2. Particle filters UNIX 203 P3 D, UNIX 223 P3 D, UNIX 303 P3 D, prefilters UNIX P1, P2, P3: EN143:2000 /A1:2006.



P1 R UNIX P1	P					
P2 R UNIX P2	P					
P3 R UNIX P3	P					
P3 R D UNIX 223	P					
A1 UNIX 501		A				
A2 UNIX 502		A				
K2 UNIX 512					K	
A1B1E1 UNIX 521		A		B	E	
A1B1E1K1 UNIX 531		A		B	E	K
A2B2E2 UNIX 522		A		B	E	

Filter for MAG Series

Gas filter DOT M 460 A1B1E1K2 + protection from carbon monoxide in set with full face mask MAG is intended for protection respiratory organs from harmful vapours and gases, including carbon monoxide.

Your benefits:

1. Saving of money.
2. Secure protection of health, and prevention of work-related deceases.

Advantages:

1. REUSABLE PROTECTION for carbon monoxide.
2. Highly efficient filtration due to unique technology of uniform distributing the absorbent particles inside the filter.
3. Handy bag for storage and carrying the filter.



A2 250 A2		A				
A2P3 RD 320 A2P3 RD	P	A				
HGP3 RD 320 HGP3 RD	P					Hg
K2P3 RD 320+ K2P3 RD	P				K	
A2B2E2 P3 RD 320+ A2B2E2 P3 RD	P	A		B	E	
A2B2E2K2 P3 RD A2B2E2K2 P3 RD		A		B	E	K
A2B2E2 460+ A2B2E2		A		B	E	
A2B2E2K2 460+ A2B2E2K2		A		B	E	K
A2B2E2-AX 460+ A2B2E2-AX		A	AX	B	E	
A1B1E1K2 CO M460 A1B1E1K2 CO		A		B	E	K CO

CleanAIR® Filter

The complete production programme of CleanAIR® canister filters offers a wide choice of filters for most industrial applications, pharmaceutical industry, laboratories and agriculture. The filters are supplied with a standard connection thread RD40x1/7" according to EN 148-1.

Particle filters

They catch a wide range of solid particles in the form of liquid and solid aerosols such as dust, smoke, fibres, bacteria, viruses and radioactive particles. Certification: EN 143, EN 12941, EN 12942

Gas filters

Provide protection against contaminants in the form of gases and vapours. EN 14387, EN 12941, EN 12942

Combined filters

Provide protection against a combination of contaminants in the form of gases, vapours and solid particles. EN 14387, EN 12941, EN 12942



P3 50 00 48	P					
A2B2E2 50 01 63		A		B	E	
A2P3 50 01 57	P	A				
A2B2P3 50 01 67	P	A		B		
K2P3 50 01 60	P				K	
50 01 64 A2B2E2P3	P	A		B	E	
50 01 68 A2B2E2K2P3	P	A		B	E	K
50 01 66 A2B2E2K2HGP	P	A		B	E	K Hg

Clothing Protection

GTB ET LAMINATE VITON

The fully encapsulating GTB is a Type 1A - ET reusable gas tight suit covering both the wearer and breathing apparatus. Manufactured in our new Laminate Viton® material, the suit is lightweight and provides advanced chemical protection. The laminate Viton® material consists of a polyester fabric coated one side with orange fireproof DuPont™ Viton® and one side with grey thermoplastic with an insert barrier film

Applications:



Features:

- Encapsulating design for Self Contained Breathing Apparatus (SCBA) worn inside the suit
- Gas-tight zip running from side of head to lower thigh, covered by double zip flap with hook & loop fastener
- Protection against liquid & gaseous chemicals (Type 1), infective agents and chemical warfare agents
- Inward Leakage tested to EN 1073-2:2002, Class 3 with a Nominal Protection Factor (NPF) >9090
- Gas-tight locking cuff system for changing gloves
- Dual glove system consisting of a Kemblok™ chemical barrier inner glove bonded to an outer neoprene glove for mechanical protection
- Two exhalation valves maintain a comfortable working pressure inside the suit
- Rigid chemically resistant double layer visor permitting clear undistorted vision and a wide field of view
- Bat-wing sleeves allow wearer to remove their hand from the glove to check gauges and other equipment inside the suit
- Adjustable internal support belt
- Choice of fixed or detachable chemical safety boots or sock feet
- Fifteen year shelf-life, with internal pressure test required annually or after each use

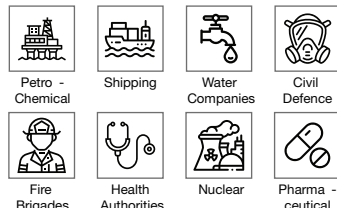
Certification:



GTL GAS-TIGHT SUIT

The fully encapsulating GTB is a Type 1A - ET reusable gas tight suit covering both the wearer and breathing apparatus. Manufactured in our new Laminate Viton® material, the suit is lightweight and provides advanced chemical protection. The laminate Viton® material consists of a polyester fabric coated one side with orange fireproof DuPont™ Viton® and one side with grey thermoplastic with an insert barrier film

Applications:



Features:

- Encapsulating design for Self Contained Breathing Apparatus (SCBA) worn inside the suit
- Gas-tight zip running from side of head to lower thigh, covered by zip flap with hook & loop fastener
- Protection against liquid & gaseous chemicals (Type 1), infective agents and chemical warfare agents
- Inward Leakage tested to EN 1073-2:2002, Class 3 with a Nominal Protection Factor (NPF) >9090
- Kemblok™ gloves welded to sleeves, with elasticated oversleeve
- Neoprene outer gloves permanently attached to the Kemblok™ inner glove, for mechanical protection
- Integral sock feet with outer splash guard legs
- Two exhalation valves maintain a comfortable working pressure inside the suit
- Large chemically resistant flexible visor for wide field of view
- Bat-wing sleeves allow wearer to remove their hand from the glove to check gauges and other equipment inside the suit
- Adjustable internal support belt
- For Type 1A (ET) the suit must be worn with F3A certified safety footwear (e.g. Hazmax™ FPA)
- Seven year maintenance free shelf-life, maximum shelf life 10 years

Certification:



GLS 300A SUIT

The single-use GLS 300A suit in Chemprotex™ 300 is a fully encapsulating gas-tight chemical protection suit covering both the wearer and the breathing apparatus. The suit combines the benefits of a lightweight high-performance chemical barrier fabric with a gas-tight construction to method 2 of ISO 17491-1. It incorporates permanently attached antistatic chemical gloves, sock feet and a lightweight gas- tight zip.

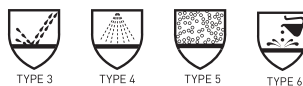
Applications:



Features:

- Large laminated chemically protective anti-mist visor giving clear undistorted vision
- KCL Butoject chemically protective anti-static glove permanently attached to the suit material
- Twin exhalation valves to side of hood to ensure that the suit maintains a comfortable working pressure
- Lightweight gas-tight zip fitted to rear of suit, closing at the top and covered with a double storm flap with hook and loop fastener
- Integral sock feet with outer splash guard legs
- Must be worn with ESD footwear (e.g. Hazmax™ ESD boots) to ensure a conductive path to ground when used in explosive atmospheres
- Ten year shelf-life

Certification:



GLS 300B SUIT

The GLS 300B suit in Chemprotex™ 300 is a single use gas-tight chemical protection suit with a patented integral facemask seal designed for use with breathing apparatus worn outside the suit, a facemask and filter or airline respirator. The suit combines the benefits of a lightweight high-performance chemical barrier fabric with a gas-tight construction to method 2 of ISO 17491-1. It incorporates permanently attached antistatic chemical gloves, sock feet and a lightweight gas-tight zip.

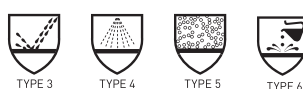
Applications:



Features:

- Integral hood with patented facemask seal providing a type 3 liquid jet seal with an outer chemical barrier fabric
- KCL Butoject chemically protective anti-static glove permanently attached to the suit material
- Jet tested for use with the following facemasks: MSA™ Auer 3S, Draeger™ Panorama Nova
- Lightweight gas-tight zip fitted across the shoulders in rear of suit, with double external cover flaps with a hook and loop fastener
- Integral sock feet with outer splash guard legs
- Must be worn with ESD footwear (e.g. Hazmax™ ESD boots) to ensure a conductive path to ground when used in explosive atmospheres
- Ten year shelf-life

Certification:



GLS 300C SUIT

The GLS 300C suit in Chemprotex™ 300 is a single use air-fed gas-tight chemical protection suit for use with breathable air supplied from an external compressed air source providing positive pressure. The suit combines the benefits of a lightweight high-performance chemical barrier fabric with a gas-tight construction to method 2 of ISO 17491-1. It incorporates permanently attached antistatic chemical gloves, sock feet and a lightweight gas-tight zip.

Applications:



Petro -
Chemical



Fire
Brigades



Chemical
Industry



Features:

- Semi-rigid laminated chemically resistant visor giving clear undistorted vision
- Air distribution system in the hood with an air permeable collar to provide cooling air through the suit, making the wearer more comfortable and better able to focus on tasks
- Lightweight gas-tight zip fitted across the chest covered by double external storm flaps with hook and loop fastener
- External air control valve and hose (supplied separately) are easily detached during doffing procedure for decontamination and reuse
- Twin exhalation valves to side of hood to ensure that the suit maintains a comfortable working pressure
- The hood design provides high protection without the need for a tight-fitting face piece
- KCL Butyl chemically protective anti-static glove permanently attached to the suit material
- Integral sock feet with outer splash guard legs
- Must be worn with ESD footwear (e.g. Hazmax™ ESD boots) to ensure a conductive path to ground when used in explosive atmospheres
- Ten year shelf-life

Certification:



TYPE 3



TYPE 4



TYPE 5



TYPE 6

SC1 SPLASH SUIT

The single-use SC1 chemical protective suit is manufactured from our high-performance Chemprotex™ 300 chemical barrier fabric. The liquid-tight (Type 3) design protects against contamination from liquid chemical splashes and can be used with breathing apparatus worn outside the suit or with a full facemask and filter. The SC1 is intended for use in areas that are not immediately dangerous to life or health.

Applications:



Petro Chemical



Shipping



Military



Civil
Defence



Fire
Brigades



Industrial
Cleaning



Nuclear



Features:

- Integral hood with neoprene rubber face grommet to seal around the wearer's face mask
- Rear-entry design with 91cm (36") Nylon zip fitted across the shoulders, with double external zip flaps and self-adhesive tape closure
- Protection against liquid chemicals (Type 3), infective agents and chemical warfare agents
- Chemically protective Kemblok™ laminated glove welded to the suit material
- Supplied with separate neoprene outer gloves for mechanical protection
- Integral sock feet with outer splash guard legs
- Bright Blue colour as standard. Olive Green and Navy Blue available to special order (minimum quantity applies)
- For use with the customers own safety boots
- Ten year shelf-life

Certification:



TYPE 3



TYPE 4



TYPE 5



TYPE 6



EN 14126



EN 1149-5



EN 1073-2



SOLAS 1974/1988



FINABEL 0.7.C

SC1 REUSABLE SPLASH SUIT

The Respirix SC1 is a reusable Type 3 splash contamination suit designed for Self Contained Breathing Apparatus (SCBA) worn externally.

The Reusable SC1 is designed to be laundered in commercial washing machines (see user instructions for laundering guidelines), ensuring a lower overall lifetime cost of ownership than the equivalent number of single use garments.

Applications:



Petro Chemical



Fire
Brigades



Civil
Defence



- Hood with integral neoprene face seal that is both shaped and flexible and provides a tight seal around the face mask, to prevent liquid penetration
- Rear horizontal 91cm (36") zip across the shoulders of the garment with zip flaps secured by a hook & loop fastener to prevent liquid ingress
- Double layer of material at the rear to prevent wear caused by the breathing apparatus rubbing against the suit
- Safety gloves compatible with the material of the suit, fitted with a liquid-tight locking cuff
- Optional reinforcement on knees and/or elbows
- Elasticated inner legs with stirrups with elasticated outer legs (other zip, cuff and leg termination options available on request)
- Designed to be worn with chemical safety footwear (e.g. Hazmax™ boots)

Certification:



TYPE 3



TYPE 4

SC4 SPLASH SUIT

The SC4 in Chemprotex™ 300 is a single-use fully encapsulating Type 3 (liquid tight) suit covering both the wearer and the self contained breathing apparatus (SCBA). The rear-entry design incorporates integral Kemblok™ chemical barrier gloves and sock feet with splash guard outer legs.

Applications:



Fire
Brigades



Chemical
Industry



Civil
Defence



Features:

- Large laminated anti-mist visor giving clear undistorted vision
- Chemically protective Kemblok™ glove permanently attached (welded) to the suit material
- Single exhalation valve to side of hood to ensure that the suit maintains a comfortable working pressure
- Fine tooth zip fitted at rear of suit, closing at the bottom and covered with a single storm flap secured with double sided tape
- Integral sock feet with outer splash guard legs
- For use with chemical safety boots (e.g. Hazmax™)
- Ten year shelf-life

Certification:



TYPE 3



EN 14126



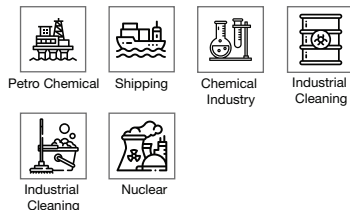
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Clothing Protection

SPLASHMASTER COVERALL

A lightweight, Type 3 liquid-tight, limited re-use hooded coverall, designed for use with a full face mask and filter or appropriate facial and respiratory protection. Manufactured from Chemprotex™ 300 the suit is highly chemically resistant and features a comfortable spun-bonded lining inside.

Applications:



Features:

- Integral hood with elastic face seal for a comfortable fit around a full or half mask respirator
- Adjustable throat flap for improved seal around the base of the facemask
- Nylon zip fitted at the front with double external zip flaps with hook and loop fastening
- Protection against liquid chemicals (Type 3), infective agents and chemical warfare agents (Respirex recommend taping around the facemask, at the wrists and ankles)
- Elasticated wrists with thumb loop
- Elasticated ankles
- For use with customers own chemical safety boots
- Ten year shelf-life

Certification:



SAFETY BOOTS

M808A BOOTS

Korakoh M808A PVC Safety Boot has a carbon steel toe cap meets impact resistance, and also a steel mid-sole which provides excellent protection against sharp objects. It also provide Oil & Chemical resistant, Waterproof and offer Anti-slip performance. Suitable use in Agricultural sector, Industrial, Hotel, Restaurant, Transportation, Construction, Petrol Station, Electric Station, Hospital, Maintenance & etc.



- Soft Urethane PVC Safety Boot for strength and comfort
- Soft and synthetic inner lining provides comfort in use for every users
- Features anti-slip sole and anti-static properties (option)
- Oil resistance sole and waterproof
- Chemical resistant sole
- Manufactured under stringent in house quality control
- Steel Toe Cap & Steel Mid Sole meet EN 12568: 1998 requirement (Impact Resistance: 200J, Compression Resistance: 15KN).

- Height: 400mm
- Weight: 1.95kg±
- Size Range: 37 to 45
- Gross Weight: 2.15kg± / Box
- Lining: Polyester
- Insole: EVA (G-1)
- Upper Sole Material: Polyvinyl Chloride
- Sole Material: PVC Nitrile
- Toe Cap Material: Carbon Steel C50 EN12568 1.7mm (Thickness)
- Midsole Material: Stainless Steel EN12568

HAZMAX™ BOOTS

A chemically protective anti-static boot with an integral steel toe cap and vulcanized rubber sole.



- Manufactured from our proprietary Hazmax compound, providing significantly better chemical resistance than PVC or PU materials
- Chemically resistant boot certified to EN 13832-3:2018 (footwear protecting against chemicals)
- Conforms to EN 943-1 (Chemical protective clothing) and certified to this standard as part of an appropriate Respirex gas-tight suit
- Antistatic - Electrical resistance meets the requirements of EN ISO 20345:2011 A (0.1MΩ to 1,000MΩ)
- Integral 200 Joule epoxy coated steel toecap and stainless steel penetration resistant mid-sole
- Heat resistant sole EN 20345:2011 HRO, 60 seconds at 300°C
- Cold insulation to EN ISO 20345:2011 CI

- Fuel and oil resistant upper and sole
- Vulcanized rubber sole for improved slip resistance - 30% better than a conventional safety boot sole
- Durable, cut-resistant vulcanised rubber sole, significantly extends working life, even in harsh terrain
- Cleated outsole for maximum grip in wet and oily conditions (SRC)
- Energy absorbing tunnel system in heel to EN 20345:2011 E
- Ergonomic cushioned insole (removable & machine washable) for greater wearer comfort
- Seamless construction
- Kick-off lug
- Adjustable height
- Knitted nylon lining
- CE marked on the shaft with date and year of manufacture
- REACH Compliant
- Machine washable at up to 40°C
- Shelf life of over 10 years

Certification: EN 13832-3: 2018 A,K,O,P,Q,R,T
EN ISO 20345:2011 S5 SRC HRO CI FO
PPE Regulation (EU) 2016/425

HAZMAX™ FPA BOOTS

A heat resistant version of the Hazmax™ chemical boot conforming to the EN15090 fire boot standard for flame resistance, radiant heat and heat insulation of the sole.



- Manufactured from our proprietary Hazmax compound, providing significantly better chemical resistance than PVC or PU materials
- Chemically resistant boot certified to EN 13832-3:2018 (footwear protecting against chemicals)
- Conforms to EN 943-2 (Chemical protective clothing) and certified to this standard as part of an appropriate Respirex gas-tight suit
- Conforms to EN 15090:2012 F3A Fire fighter boot standard
- Heat insulation of the sole EN 15090:2012 (HI3): The sole withstands 40 minutes at 250°C with an increase in internal temperature of less than 21°C after 10 minutes
- Antistatic - Electrical resistance meets the requirements of EN ISO 20345:2011 A (0.1MΩ to 1,000MΩ)

- Integral 200 Joule epoxy coated steel toecap and stainless steel penetration resistant mid-sole
- Heat resistant sole EN 20345:2012 HRO, 60 seconds at 300°C
- Cold insulation to EN ISO 20345:2012 CI
- Fuel and oil resistant upper and sole
- Vulcanized rubber sole for improved slip resistance - 30% better than a conventional safety boot sole
- Durable, cut-resistant vulcanised rubber sole, significantly extends working life, even in harsh terrain
- Cleated outsole for maximum grip in wet and oily conditions (SRC)
- Energy absorbing tunnel system in heel to EN 20345:2011 E
- Ergonomic cushioned insole (removable & machine washable) for greater wearer comfort
- Seamless construction
- Kick-off lug
- Adjustable height
- Knitted nylon lining
- CE marked on the shaft with date and year of manufacture
- REACH Compliant
- Machine washable at up to 40°C
- Shelf life of over 10 years

Certification: EN 13832-3: 2018 A,K,O,P,Q,R,T
EN 15090:2012, Class 2 - Type F3A (HI3, CI, SRC)
EN ISO 20345:2011 S5 SRC HI HRO CI FO
PPE Regulation (EU) 2016/425

PANT

STRETCH BIOMOTION DOUBLE TAPED MODERN FIT CARGO PANTS



FABRIC

97% Cotton,
3% Elastane 280gsm

SIZES

Regular (77 - 112)

STANDARDS

AS/NZS 4602.1:2011
AS/NZS 1020: 1995
AS/NZS 4399: 1999

FLAREX PPE2 FR INHERENT 250GSM TAPED CARGO PANTS



FABRIC

FLAREX 60% Modacrylic,
34% Cotton, 5% Aramid,
1% Anti-Static 250gsm
• PPE2 ATPV 10 Cal/cm2

SIZES

Regular (77 - 112)
Stout (87 - 132)
Long (79 - 94)

STANDARDS

NFPA 2112
ASTM F1959 (NFPA 70E)
AS/NZS 4602.1:2011
AS/NZS 1020: 1995
AS/NZS 4399: 1999

FLAREX RIPSTOP PPE2 FR INHERENT TAPED CARGO PANTS



FABRIC

FLAREX RIPSTOP 50%
Modacrylic, 8% Polyarylate,
32% Cotton, 9% Polyamide,
1% Antistatic 197gsm
• PPE2 ATPV 8.6 Cal/cm2

SIZES

Regular (77 - 112)
Stout (87 - 132)
Long (74 - 94)

STANDARDS

NFPA 2112
ASTM F1959 (NFPA 70E)
AS/NZS 4602.1:2011
AS/NZS 1020: 1995
AS/NZS 4399: 1999
Oeko-Tex Standards 100

SHIRT & JACKET

HI-VIS 2-TONE SHORT SLEEVE POLY/COTTON POLO SHIRT



FABRIC

80% Polyester
20% Cotton back knit 180gsm

SIZES

XS - 6XL

COLOURS



Orange/Navy



Yellow/Navy

STANDARDS

AS/NZS 4602.1:2011
AS/NZS 1906.4:2010
AS/NZS 4399: 1999

FLAREX RIPSTOP PPE2 FR INHERENT 197GSM NSW RAIL TAPED SHIRT



FABRIC

FLAREX RIPSTOP 50%
Modacrylic, 8% Polyarylate,
32% Cotton, 9% Polyamide,
1% Antistatic 197gsm
• PPE2 ATPV 8.0 Cal/cm2

SIZES

S - 6XL

STANDARDS

NFPA 2112
ASTM F1959 (NFPA 70E)
AS/NZS 4602.1:2011
AS/NZS 1906.4:2010
AS/NZS 1020: 1995
AS/NZS 4399: 1999
Oeko-Tex Standards 100

HI-VIS 2 TONE 1/4 ZIP TECH FLEECE HOODIE



FABRIC

100% Cotton drill 310gsm,
100% Polyester Lining

SIZES

XS - 6XL

COLOURS



Orange/Navy



Yellow/Navy

STANDARDS

AS/NZS 4602.1:2011
AS/NZS 1906.4:2010
AS/NZS 4399: 1999

COVERALL

FLAREX PPE2 FR INHERENT VENTED TAPED COVERALL



FABRIC

FLAREX 60% Modacrylic,
34% Cotton 5%, Aramid,
1% Anti-Static, FR Cotton
Modacrylic 200gsm
Knit Venting, 215gsm

SIZES

Regular (77 - 132)
Stout (87 - 132)
Long (79 - 94)

COLOURS



Orange



Orange/Navy



Yellow/Navy

STANDARDS

NFPA 2112
ASTM F1959 (NFPA 70E)
AS/NZS 4602.1:2011
AS/NZS 1906.4:2010

FLAREX PPE1 FR INHERENT 190GSM VENTED TAPED COVERALL



FABRIC

FLAREX 190gsm, 60%
Modacrylic, 34% Cotton,
5% Aramid, 1% Anti-Static
PPE1 ATPV 7.0 Cal/cm2

SIZES

• Regular (77 - 132)
* Red: Regular (77 - 117)
• Stout (87 - 132)
• Long (79 - 94)

COLOURS



Orange



Red

STANDARDS

NFPA 2112
ASTM F1959 (NFPA 70E)
AS/NZS 4602.1:2011
AS/NZS 1906.4:2010
AS/NZS 1020: 1995
AS/NZS 4399: 1999
Oeko-Tex Standards 100

HI-VIS 2-TONE TROPICAL LIGHTWEIGHT TAPED COVERALL WITH ZIP CLOSURE



FABRIC

100% Cotton Drill
190gsm

SIZES

Regular (77 - 132)
Stout (87 - 132)
Long (79 - 94)

COLOURS



Orange

STANDARDS

AS/NZS 4602.1:2011
AS/NZS 1906.4:2010
AS/NZS 1020: 1995
AS/NZS 4399: 1999

Aluminised Jacket and Trousers

Jacket:

- Description:
- Jacket with velcro fastener along the side, under flap
 - Low or high collar made from water-repellent grain leather
 - Vents under the arms
 - Cuffs with Velcro fastener on request.
 - Kevlar® thread seams®.

Trousers:

- Description:
- Trousers with fly closure under flap and snap buttons.
 - Two hand openings under flap
 - Kevlar® thread seams®.

Aluminised Hood

- Hood with integrated adjustable helmet
- Shoulder-cover collar
- Side air vents
- Interchangeable screen, small or large models
- Triplex glass, gold

Helmet Cover With Visor

- Pack: helmet + cover + visor
- Steel helmet
- Helmet cover in aluminised para-aramid with neck protection
- Aluminised visor with gold polycarbonate screen attached to the helmet
- Light, ventilated, flip-up aluminised hood

Aluminised Overboots

- Multi-layer fibreglass insulating soles for floors up to 400°C for the standard version
- 1 tightening strap and 1 inner elastic
- Zipper at back, under flap
- Can be put on while wearing shoes.
- Height 36cm - Single size
- All seams in Kevlar thread.

Helmet Gaiters

- Gaiters with with holding strap beneath the sole (strap breaks easily in case of snagging to avoid a fall)
- Spring-closure systems (easy to put on and remove the gaiters), crust-leather lining
- Soft metal bar to be bent “into shape” before first use to fit the rounding of the top of the instep to prevent the gaiters from turning
- 100% Kevlar® thread seams®
- Standard height of 36 cm.

HTR Solit Leather Glove

- Pair of HTR (High Temperature Resistant) crust leather gloves
- Aluminised back-of-hand
- 5 fingers, palm and thumb reinforcement
- Wool internal lining
- Kevlar® thread assembly
- Option: 3 velcro closures on the oversleeves
- Length: 40 cm

Model	Description	Standards	Part Number
Jacket	Fabric: 500 gsm para-aramid	A1 B1 C3 D3 E3	E2200 - 100
Trousers	Fabric: 500 gsm para-aramid		E2300 - 100
Aluminised Hood	Screen Type: Triplex glass, 100x220	-	E5110 - 100
Helmet Cover With Visor	Screen Type: Polycarbonate	A1 B1 C3 D3 E3	E1000 - 102
Aluminised Overboots	Lining: Insulating soles	A1 B1 C4 D3 E3 F1	E6600 - 000
Aluminised Gaiters	Lining: Velcro fastening	A1 B1 C3 D3 E3	E6200 - 000
	Lining: Spring-loaded holder		E6100 - 000
HTR Solit Leather Glove	HTR crust leather five-finger glove	EN388 4144, EN407 4124X4	E4554 - 804



V81622 REFLECTIVE VEST

Lightweight, comfortable Class 2 vests feature 55% modacrylic/45% cotton blend material, flame resistant hook and loop closure, and 2" flame resistant silver reflective tape.

- ANSI/ISEA 107 Type R Class 2 compliant vest for high visibility and flame resistance.
- Fluorescent yellow-green background material for excellent daytime visibility.
- ASTM F1506 compliant for flame resistance and electric arc related thermal hazards.
- Arc Rating 6.8 cal/cm².
- Conforms to NFPA 70E - HRC 1.
- 6.5 oz, 55% Modacrylic/45% Cotton blend - solid.
- 2 inch FR silver reflective tape reflects light for 360° nighttime conspicuity.
- FR hook & loop closure.
- D-ring access for fall protection
- 2 interior pockets



V81832 REFLECTIVE VEST

Lightweight, comfortable Class 2 vests feature 55% modacrylic/45% cotton blend material, flame resistant hook and loop closure, and 2" flame resistant silver reflective tape.

- ANSI/ISEA 107 Type R Class 2 compliant vest for high visibility and flame resistance.
- Fluorescent yellow-green background material for excellent daytime visibility.
- ASTM F1506 compliant for flame resistance and electric arc related thermal hazards.
- Arc Rating 6.8 cal/cm².
- Conforms to NFPA 70E - HRC 1.
- 6.5 oz, 55% Modacrylic/45% Cotton blend - solid.
- 2 inch FR silver reflective tape reflects light for 360° nighttime conspicuity.
- FR hook & loop closure.
- 5 exterior pockets.
- 3 interior pockets.
- 2 microphone tabs.



V81522 REFLECTIVE VEST

Lightweight, comfortable Class 2 vests feature 55% modacrylic/45% cotton blend material, flame resistant hook and loop closure, and 2" flame resistant silver reflective tape.

- ANSI/ISEA 107 Type R Class 2 compliant vest for high visibility and flame resistance.
- ASTM F1506 compliant for flame resistance and electric arc related thermal hazards.
- Arc Rating 6.8 cal/cm².
- Conforms to NFPA 70E - HRC 1.
- 6.5 oz, 55% Modacrylic/45% Cotton blend - solid.
- 2 inch FR silver reflective tape reflects light for 360° nighttime conspicuity.
- FR hook & loop closure.
- Breakaway FR hook & loop at shoulders, sides, and front.
- 2 interior pockets.



RVMO/RVMY - RVPY REFLECTIVE VEST

Panindochina reflective vest.

- 100% polyester, fluorescent orange/ yellow.
- High reflective fabric (100 polyester) 5 cm width with gery color.
- Available with Mesh and Polyester material.
- Size: S – 2XL.

WS

WELDERS SLEEVES



- Red chrome leather with buckle and webbing strap for quick and easy fitting and removal
- 630mm length gives complete arm protection
- One Size Fits All
- Kevlar stitched to increase resistance to heat, cuts and abrasion
- Sold and packaged individually

WJ

WELDERS JACKET



- High quality red cow split leather
- Kevlar® stitched to increase resistance to heat, cuts and abrasion
- Staggered double studs to ensure a secure fit
- Moderate heat protection
- Sizes: M, L, XL, 2XL, 3XL
- Sold and Packaged Individually

A41008

CHEMICAL RESISTANT APRON



- Green Apron - 38" x 48".
- The SafetyFlex® flame resistant specialty PVC on polyester apron combines tough protection and comfortable fit.
- Made to resist industrial acids, chemicals, and caustics.
- The heavy exterior coating offers excellent permeation performance and liquid splash protection.
- Equipped with one strap around the waist and one around the neck with a buckle for a secure and adjustable fit.
- 48 inch total length, 38 inch total width. 17 mil total thickness.
- PVC chemical resistant apron..

WA108

CHEMICAL RESISTANT APRON



- Chrome leather
- Adjustable neck and waist webbed straps with quick release buckles
- New and improved webbing straps and plastic buckle for easier adjustment
- Buckle and leather strap for quick and easy fitting and removal
- One size fits all
- Sold and packaged individually

SE6385

RAIN SUIT

A high quality, durable, windproof and waterproof jacket, enhance safety at night and in low visibility situations.

Rain Jacket:

- With detachable hood and reflective tape
- Storm front with metal snaps

Waist Trousers:

- With reflective tapes, no fly in front, non-conductive
- Size: S to 4XL

Compliance: EN471 CLASS 3



SE6332

RAIN SUIT

PVC rain suit

- Made of heavy duty PVC coated on polyester, heat sealed seams offer 100% waterproof.
- Jacket with hood and trousers.
- Three layers for more protection.
- Thickness: 0.3 - 0.35 mm.
- Colour: Yellow.
- Sizes: S - 3XL.



Clothing Protection

Low GI Concentrates

Workers who drink when they are thirsty typically replace only half the fluid lost through sweat.

Conversely, workers who engage in Program Drinking maintain optimal hydration levels and do not become dehydrated. Program Drinking involves drinking small amounts of fluid frequently. Ensure you have access to fluid at regular intervals - the THORZT Hydration Backpack keeps hydration on person at all times.

- 2 litre bladder - Color: Black | Part number: BP25B
- 3 litre bladder - Color: Hi-Vis Yellow | Part number: BP2Y
- 3 litre bladder - Color: Hi-Vis Orange | Part number: BP25O



Accessories:



BPRT
Neoprene insulated
hydration tube



BPB
Replacement backpack
bladder 3L

Cooling Vest

Part number: ECVHVY XSI S | M | L | XL | 2XL | 3XL

Features & Benefits:

- Simple V-neck with zipper closure; works for a wide range of people and uses
- Can provide 5-10 hours of cooling relief per soaking
- Lightweight, easy to activate, and durable
- Comfortable quilted nylon outer with HyperKewl Plus fabric inner, water repellent nylon liner, and black poly-cotton trim
- Machine Washable up to 60°C



Active:

1. Simply submerge the vest in water for 1-2 minutes, allowing the HyperKewl fabric to absorb the water.
2. Gently squeeze out any excess water, wipe dry and the vest is ready to wear.
3. The vest will remain activated for 5-10 hours and can be re-hydrated by repeating these simple steps.

Cooling Cap

Part number: CCB | CCRB

Features & Benefits:

- Adjustable ties at the nape of the neck
- Ideal for wearing under a helmet, hard hat or alone
- When wet, stays cool while you are active
- Absorbent when dry, perfect for absorbing moisture and sweat
- Use for hours at a time, simply re-wet to reactivate
- Lightweight and durable
- Machine washable - cooling ability is not affected, reuse again and again



Active:

1. Submerge the THORZT Cooling Scarf in any temperature water and let it soak for 1 to 3 minutes.
2. Wring out the excess water, leaving it nice and moist.
3. Snap to activate.

Chill Towel

Part number: CSB

The THORZT Chill Towel stays cool for hours with no refrigeration or cold water needed - just 'Wet, Wring and Wave'. It's made from PVA material which can retain moisture for periods far longer than conventional towels, and contains a special plant extract that (once activated) turns moisture cold regardless of it's initial temperature.

Features & Benefits:

- Promotes Thermoregulation
- Reduces Heat Stress risks
- Comforts and cools the skin
- Looks as cool as it feels
- Machine washable

Active:

1. Submerge the THORZT Chill Towel in any temperature water and let it soak for 1 to 3 minutes.
2. Wring out the excess water, leaving it nice and moist.
3. Take hold of two corners, and wave it up and down for about 10 seconds.
4. Wrap it around your neck or other warm point on the skin for instant cooling relief.



Chilly Vests

Part number: CV | CVO

Features & Benefits:

- Promotes thermoregulation
- Reduces heat stress risks
- Comforts and cools the skin
- Looks as cool as it feels

Inner Fabric

- MICRO KNIT - 100% Australian Merino Wool for temperature and odour control
- Naturally fire retardant, ant-static and easy care

Outer Fabric

- COOLMESH - This 100% Australian made high performance sport fabric uses a Moisture Management system and Multi-Filament
- Technology for comfort and durability

Cooling Crystals

- Non-Toxic High Performance Polyacrylate/ Polyalcohol Copolymer

Active:

1. Vest comes in crystal form. Initially soak in water for 20-30 minutes so crystals in pockets swell into gel form (Pockets should be firm but not bursting).
2. When removing from water, grab top and bottom of vest and gently twist in opposite directions to remove excess water and hang to dry. Vest is now activated.



Cooling Scarf

Part number: CSHVO | CSHVY | CSK | CSRB

Features & Benefits:

- Microfiber Evaporative Cooling
- UPF 50 chemical-free production
- Lightweight stretch fabric with non-chafing-elastical ends for comfortable cooling that will stay put
- Multi-purpose: protects from sun, defends against dust and debris, and keeps you cool at the same time
- Machine washable - reuse again and again



Active:

1. Submerge the THORZT Cooling Scarf in any temperature water and let it soak for 1 to 3 minutes.
2. Wring out the excess water, leaving it nice and moist.
3. Snap to activate.
4. Multiple ways to wear:



Cooling Ties

Part number: CTB | CTRB

Cooling Ties are designed to assist with Heat Stress prevention by promoting the body's thermoregulation. Cooler skin contributes to a number of physiological advantages:

- Less output is directed toward the skin
- A lower core body temperature

Features & Benefits:

- Promotes Thermoregulation
- Reduces Heat Stress risks
- Comforts and cools the skin
- Looks as cool as it feels

Active:

Submerge your Cooling Tie in cold water for 15-20 minutes then wrap it around the neck, head or wrist (ideally at a pulse point) to immediately feel the cooling effect. You can also place the tie in the fridge or freezer overnight, then store in your esky/cooler on site for use later in the work day.

Cooling ties can be re-used as needed throughout the day by re-submerging in cold water for several minutes. However, it should be stressed that whilst this will deliver a refreshing feel, the main benefits of the ties come from the prolonged evaporative cooling that occurs over long periods.

Once the polymer crystals have fully absorbed the water, the cooling effects can last for hours, although the exact period varies depending on the climatic conditions.





Single Decontamination Shower

Lightweight and quick to deploy, the inflatable Decontamination Unit range from MFC International allow for rapid response.

- Lightweight and easily portable scenarios
- Will be set up within a matter of minutes and will stay standing without continuous inflation
- Raised floor panels prevent contact with contaminated shower wash off which is collected in a PVC chemically resistant sump
- Sleeves for pumped extraction of contaminated water are included as standard
- Chemical resistant PVC gloves are added onto the sides of the shower to allow a second person to help wash down the contaminated person
- Can be used on hard or soft standing and guy ropes are provided for securing in position
- Minimal training, servicing and maintenance costs



Four Person Decontamination Unit

Lightweight and quick to deploy, the inflatable Four Person Decontamination Unit from MFC Survival allow for rapid response in a decontamination situation.

- Lightweight and easily portable
- Will be set up within a matter of minutes and will stay standing without continuous inflation
- Optional raised floor panels prevent contact with contaminated shower wash off which is collected in a chemically resistant sump
- Sleeves for pumped extraction of contaminated water are included as standard
- Can be used on hard or soft standing and guy ropes are provided for securing in position
- Minimal training, servicing and maintenance costs



Mass Decontamination Units

Lightweight and quick to deploy, the inflatable Mass Decontamination Unit from MFC Survival allow for rapid response in a decontamination situation.

- Lightweight and easily portable scenarios
- Will be set up within a matter of minutes and will stay standing without continuous inflation
- The Mass decontamination unit is internally partitioned into three lanes with pre and post decon changing rooms
- Optional raised floor panels prevent contact with contaminated shower wash off which is collected in a chemically resistant sump
- Sleeves for pumped extraction of contaminated water are included as standard
- Can be used on hard or soft standing and guy ropes are provided for securing in position
- Minimal training, servicing and maintenance costs



KANOX 3

WELDING BLANKET

- Model:
 - Kanox-3A (Length 0.75 M x Width 1.0 M x Thickness 3 mm).
 - Kanox-3D (Length 1.50 M x Width 2.0 M x Thickness 3 mm).
- Material : 100% PAN (Pre-Oxidized Acrylonitrile).
- Weight: 400 g/m² ± 5%.
- Type : Non-Woven felt type.
- Flame Testing: Up to 900° above, within 3 minutes. No Shrinkage, No Melting, No Burning.
- Caution: Store away from water.

KANOX 6

WELDING BLANKET

- Kanox® NW6 - 100% PAN (Pre-Oxidized Acrylonitrile) fabric Non-Woven felt, with brass grommets (diameter 17mm) along 4 opposite sides at 18" intervals.
- Model:
 - KANOX-6A (Width 1.5 M x Length 3.0 M x Thickness 6.0 mm).
 - KANOX-6B (Width 1.5 M x Length 3.0 M x Thickness 6.0 mm).
- Weight: 900 g/m² ± 5%.
- Flame Testing: Up to 900° above. Non- Shrinkage, Non-Melting, Non- Burning within 3 minutes.
- Caution: Store away from water.



WB

WELDING BLANKET

- Heavy duty chrome leather for added durability
- Kevlar stitched to increase resistance to heat, cuts and abrasion
- Metal eyelets on outer edges for ease of securing
- Generous size 1800mm x 1800mm
- Moderate heat protection
- Sold and packaged individually
- Qty/Carton - 5.

WB33

WELDING BLANKET

- Heavy duty chrome leather for added durability
- Kevlar stitched to increase resistance to heat, cuts and abrasion
- Metal eyelets on outer edges for ease of securing
- Generous size 3000mm x 3000mm
- Moderate heat protection
- Sold and packaged individually
- Qty/Carton - 5.

CONTACT INFO



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