

# BEAVER BRANDS

## PERSONAL SAFETY EQUIPMENT CATALOGUE



**FRONTIER**  
PERSONAL PROTECTION


**NINJA**

**MACK**

**Contego**

Grippaz

**Cancer  
Council**



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# WHY CHOOSE BEAVER BRANDS

Established in 1977, Beaver Brands is a national manufacturer specialising in the manufacture of leading products within:

- **Personal Protective Equipment (PPE)**
- **Lifting and Materials Handling**
- **Load Restraint and Recovery**
- **Height Safety**
- **Safety Footwear**
- **Workwear**

Beaver Brands' success is built on long standing partnerships with resellers, along with its commitment to servicing the specific needs of customers.

Since inception Beaver Brands has been renowned for quality and has invested heavily in maintaining AS/NZS ISO 9001 Quality Assurance accreditation, NATA ISO/IEC 17025 registration and is soon to have ISO 14001 environmental management accreditation.

## PERSONAL AND SITE SAFETY PRODUCT RANGE

With ever present dangers in many workplaces its important to know your employees are supplied with the right personal protective equipment, from a business that only manufactures quality products that meet or exceed Australian Standards.

Beaver Brands not only manufactures its own range of PPE, but offers a number of exclusive leading brands of equipment to cover your personal protection needs.



## OUR RANGE INCLUDES

|                            |                                 |                                 |
|----------------------------|---------------------------------|---------------------------------|
| HEAD PROTECTION            | TUFFGARD                        | Snap Brim™                      |
| HEARING PROTECTION         | FRONTIER<br>PERSONAL PROTECTION |                                 |
| EYE & FACE PROTECTION      | FRONTIER<br>PERSONAL PROTECTION | MACK                            |
| RESPIRATORY                | FRONTIER<br>PERSONAL PROTECTION |                                 |
| BODY PROTECTION            | FRONTIER<br>PERSONAL PROTECTION |                                 |
| HAND PROTECTION            | NINJA                           | FRONTIER<br>PERSONAL PROTECTION |
| SUN PROTECTION & HYDRATION | FRONTIER<br>PERSONAL PROTECTION | Cancer Council                  |
| SITE SAFETY                | FRONTIER<br>PERSONAL PROTECTION |                                 |

# PARTNERING WITH RESELLERS

TO PROVIDE THE VERY BEST PRODUCTS AND SERVICES



**Extensive product range**



**National footprint**



**Quality, innovative products**



**Local manufacturing**



**Excellent customer service**



**Locally tested products**



**Backed globally**



**Committed to education**

## OUR BRANDS



Frontier brings product design and innovation to our comprehensive range of highly reliable, fit for purpose and cost effective safety products. We take personal protection seriously, consistently working with users of our product to improve product performance and workplace safety culture. Made to the relevant Australian and International standards, our products have been used and relied upon throughout Australia and internationally in a diverse range of applications in a variety of industries.



Australia's top mechanics glove brand provides safe and secure protection from hand injuries in handling applications that can cause impact and vibration injuries. Made from the highest quality materials, Contego gloves are built to protect and last. These tough gloves are certified and tested to rigorous international standards and are designed to assist you do your best work.



One of the world's leading brands of high tech, innovative work safety gloves, Ninja's philosophy is a mix of passion, precision and perseverance. Art and science blend to deliver as much comfort as performance. Unique processes, coatings, finishes, materials and textiles combine to achieve best-in-class benchmark user experience. Made to Australian Standards, Ninja's comprehensive range of application specific gloves have the leading edge in comfort, dexterity, protection and grip. Ninja is exclusively distributed by Beaver Brands in Australia.



Established in 1902, Mack has become a legendary brand as one of the world's leading heavy-duty truck manufacturers. Mack eyewear is designed to endure and worn to perform. Mack eyewear range is bold, stylish, and strong on safety. Beaver Brands is proud to have the exclusive rights to Mack eyewear in the Australian market.



Grippaz™ industrial grade disposable gloves have been developed to provide optimal performance in a range of working conditions. Holding patented technologies, Grippaz is strong, safe and versatile, whilst providing tremendous tactility and amazing grip.



Cancer Councils are the leading independent funders of cancer research in Australia. Amongst other products, they market a range of high-quality, affordable sun protection products. Beaver Brands is proud to be the exclusive distributor of Cancer Council Sunscreens to the industrial safety sector in Australia. The product features broad-spectrum sunscreens in a range of innovative formulations and packaging to suit the working environment. Royalties support the activities of the Cancer Councils including vital research, patient support services and community education programs.



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# 1 HEAD PROTECTION

We are proud to offer an extensive range of hard hats and accessories certified to the highest Australian Standards.

Our hard hats are suited to all applications and include printable versions for easy company and personal identification if required.



# HEAD PROTECTION WHEN IT MATTERS MOST

**WHATEVER THE INDUSTRY AND ENVIRONMENT, WE HAVE A TRUSTED RANGE OF SAFETY HELMETS AND ACCESSORIES THAT KEEP THE HEAD SAFE FROM SIDE IMPACT OR FALLING OBJECTS.**

## TYPE 1

Hard hats (TG56, 57, 58 and 59 series) are made from **ABS plastic**.

## TYPE 2

Clearview hard hats are made from **polycarbonate and meet type 2 Standards**. This means they are also suitable for hot work environments.

With vented and non-vented styles, shade attachments and the new generation Clearview series safety helmets, our Frontier range offers supreme protection, durability and comfort. All helmets and accessories are fully certified to meet Australian Standards AS/NZS 1801: 1997.

## AUSTRALIAN DESIGNED AND MADE

All of Frontier's latest high performing TG type 1 and 2 safety helmets have been specially designed and made in Australia for our harsh conditions and are not only stylish, but light weight and comfortable enough to wear all day long. They are made to exacting Australian Standards and meet both vertical and lateral impact requirements.

## MATERIALS USED

All of our safety helmet shells are primarily made using UV stabilised high density polycarbonate (HDPC) or ABS (Acrylonitrile Butadiene Styrene) which minimises and effectively disperses impact forces.

The polycarbonate versions are ideal for the Clearview hard hat as they allow see-through visibility whilst offering UV400 sun protection. The ABS version meanwhile allows for a better painted surface and print absorption. With a low profile design and a webbed 6 point harness all Frontier hard hats offer supreme comfort for all day wear.



## VENTED AND NON-VENTED OPTIONS

### VENTED

Because the head holds so much heat, our Frontier vented hard hats encourage air flow to keep the head cooler. Vents have been engineered to provide maximum air flow without compromising the integrity of the helmet.

WARM AIR FLOWS OUT

COOLING AIR FLOWS IN



### NON VENTED

Frontier non-vented versions are suitable for most applications and use in areas where dust ingress to the upper head needs to be minimised.

## FITTING AND ADJUSTING YOUR HELMET

### RATCHET ADJUSTMENT

All Frontier harnesses have been designed for ease of use and to last the distance.

Adjust the helmet sizing by tightening and loosening the ratchet wheel until it is comfortable.



### SLIP ADJUSTMENT

Adjust helmet sizing by slipping the band up and down the notches until it fits comfortably.

To loosen, push the band notches out of the hole.



## CARE AND MAINTENANCE

All Frontier safety helmets can be cleaned with soap and water and then dried off with a soft cloth. A helmet should never be cleaned with abrasive substances or solvents and must not be stored in direct sunlight or in contact with chemicals.

It is important that the wearer inspects their helmet regularly and any helmet showing more than superficial abrasions or scuffing to the shell, should be replaced.

### CHECKLIST

#### REPLACE YOUR SAFETY HELMET IF:

- The shell shows signs of wear or degradation e.g. colour faded or stained
- There are any dents, cracks, nicks or gauges in the inner or outer shell
- The shell feels stiff or brittle, or appears dull or chalky
- The date of manufacture has exceeded 5 years

#### REPLACE YOUR HARNESS IF:

- One or more of the points is damaged
- Your harness is brittle, worn, or damaged
- The suspension no longer holds the helmet on securely and comfortably.

### WHEN SHOULD YOU REPLACE YOUR SAFETY HELMET OR HARNESS?

To comply with Australian Standards, all helmets are marked with the month and year of manufacture. If helmets are stored in boxes and do not experience environmental extremes, the shelf life of a helmet is not limited.

However, we do not recommend that a helmet should be in use five years after date of manufacture. After that time, the Australian Standard is no longer valid.

## CUSTOM PRINTABLE MODELS

Corporate branding and reflective tape additions are all possible with the Frontier hard hat. Beaver Brands offer a full hard hat printing service using the latest 6 colour, multiple position pad printing machines. So instead of outsourcing this service after the product is received, why not let us print your hard hats at the point of dispatch!

- All hard hats can have logos pad printed in up to 4 positions.
- Up to 6 colour logos
- MOQ – Minimum order of 20 for private labelling of caps.

*Please contact your Beaver Brands sales representative for a quote and further information*



**ADD LOGO OR  
NAME HERE**

## VENTED HARD HAT

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Vented hard hat
- Constructed from ABS plastic
- Extra strong and robust yet light weight, ideal for all working conditions
- Adjustable 6 point webbed harness for comfort and fit
- Rain guard with reinforced peak
- The Frontier helmet takes 25 and 30mm accessories (cap attachable earmuffs, visor holder, etc.)
- Pad printing available for your company's logo to be applied
- Approved to AS/NZS 1801:1997

| CODE            | COLOUR       | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------------|-----------------|---------------|
| FRTG57VTDWW0000 | White        | 1               | 20            |
| FRTG57VTDYY0000 | Yellow       | 1               | 20            |
| FRTG57VTDYF0000 | Fluro Yellow | 1               | 20            |
| FRTG57VTDGG0000 | Green        | 1               | 20            |
| FRTG57VTD000000 | Orange       | 1               | 20            |
| FRTG57VTD000000 | Red          | 1               | 20            |
| FRTG57VTD000000 | Blue         | 1               | 20            |


 Australian  
Standard  
AS/NZS 1801:1997  
SAI Global  
Certified Product

COLOURS AVAILABLE



## VENTED RATCHET HARNESS HARD HAT

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Vented hard hat
- Extra strong and robust yet light weight, ideal for all working conditions
- Adjustable ratchet harness for comfort and fit
- Rain guard with reinforced peak
- Quick and easy single hand adjustment whilst wearing the helmet
- Secure fit makes it ideal for high wind areas
- The Frontier helmet takes 25 and 30mm accessories (cap attachable earmuffs, visor holder, etc.)
- Constructed from ABS plastic
- Approved to AS/NZS 1801:1997

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRTG57VRHWW0000 | White  | 1               | 20            |
| FRTG57VRHO00000 | Orange | 1               | 20            |


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Standard  
AS/NZS 1801:1997  
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Certified Product

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## VENTED PRINTED HARD HATS

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Vented hard hat
- Extra strong and robust yet light weight, ideal for all working conditions
- Adjustable 6 point webbed harness for comfort and fit
- Rain guard with reinforced peak
- The Frontier helmet takes 25 and 30mm accessories (cap attachable earmuffs, visor holder, etc.)
- Constructed from ABS plastic
- Approved to AS/NZS 1801:1997

Please contact your Beaver Brands sales representative for a custom printed hard hat quotation.

| CODE            | DESCRIPTION         | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------------------|--------|-----------------|---------------|
| FRTG57VTDGG00FA | First Aid           | Green  | 1               | 20            |
| FRTG57VTD000000 | Warden              | Red    | 1               | 20            |
| FRTG57VTD000000 | Chief Warden        | White  | 1               | 20            |
| FRTG57VTD000000 | Deputy Chief Warden | White  | 1               | 20            |


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# SAFETY WITH A CLEAR VIEW

## NEW GENERATION FRONTIER CLEARVIEW SAFETY HELMETS

As their name suggests the new generation Frontier Clearview range offer enhanced peripheral vision for additional awareness of possible hazards. The translucent shell allows wearers to look upwards without tilting the head back, and although see-through, the shell provides UV400 protection.



- UV400 stabilised suitable for indoor and outdoor use
- Unique clear view through helmet peak



- High impact polycarbonate
- Vented for increased wearer comfort
- Available in a large range of colours



- Adjustable 6 point head harness
- Accepts most helmet attachments



## CLEARVIEW HARD HAT

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- UV400 stabilised and is suitable for indoor or outdoor use
- Greater all round safety by increasing the wearer's peripheral vision
- Reduced neck strain associated with tilting the head back to constantly look up
- High temperature rated thanks to their polycarbonate composition
- Approved to AS/NZS 1801:1997

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRCLRVIEWBL0000 | Blue   | 1               | 20            |
| FRCLRVIEWCR0000 | Clear  | 1               | 20            |
| FRCLRVIEWGG0000 | Green  | 1               | 20            |
| FRCLRVIEWOO0000 | Orange | 1               | 20            |
| FRCLRVIEWPK0000 | Pink   | 1               | 20            |
| FRCLRVIEWRD0000 | Red    | 1               | 20            |
| FRCLRVIEWSM0000 | Smoke  | 1               | 20            |
| FRCLRVIEWYY0000 | Yellow | 1               | 20            |



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## VENTED MINERS CAP METAL LAMP BRACKET

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Vented hard hat
- The Frontier helmet takes 25 and 30mm accessories (cap attachable earmuffs, visor holder, etc.)
- Manufactured from ABS plastic
- Extra strong and robust yet light weight, ideal for all working conditions
- Adjustable 6 point webbed harness for comfort and fit
- Rain guard with reinforced peak
- Comes with reflective tape
- Metal lamp bracket
- Approved to AS/NZS 1801:1997

| CODE            | COLOUR       | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------------|-----------------|---------------|
| FRTG57VTDWWMLBR | Fluro Yellow | 1               | 20            |
| TG57MLV-FY-RT3  | White        | 1               | 20            |



Australian  
Standard  
AS/NZS 1801:1997  
SAI Global  
Certified Product

## MINERS HARD HAT

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- The Frontier Helmet takes 25 and 30mm accessories (cap attachable earmuffs, visor holder, etc.)
- Extra strong and robust yet light weight, ideal for all working conditions
- Adjustable 6 point webbed harness for comfort and fit
- Rain guard with reinforced peak
- Metal lamp holder or Polycarbonate lamp holder
- AS/NZS 1801:1997 certified

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRTG56MLOWW0000 | White  | 1               | 20            |
| FRTG56PLOWW0000 | White  | 1               | 20            |



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Standard  
AS/NZS 1801:1997  
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Certified Product

COLOURS AVAILABLE



## NON VENTED HARD HAT

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- The Frontier Helmet takes 25 and 30mm accessories (cap attachable earmuffs, visor holder, etc.)
- Extra strong and robust yet light weight, ideal for all working conditions
- Adjustable 6 point webbed harness for comfort and fit
- Rain guard with reinforced peak

| CODE            | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-----------|-----------------|---------------|
| FRTG56NV0BL0000 | Blue      | 1               | 20            |
| FRTG56NV0FY0000 | HV Yellow | 1               | 20            |
| FRTG56NV0YY0000 | Yellow    | 1               | 20            |
| FRTG56NV0GG0000 | Green     | 1               | 20            |
| FRTG56NV0OO0000 | Orange    | 1               | 20            |
| FRTG56NV0RR0000 | Red       | 1               | 20            |
| FRTG56NV0WW0000 | White     | 1               | 20            |



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## TERRY TOWELLING REPLACEMENT SWEAT BAND

FRONTIER  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Terry towelling replacement sweat band
- Easy to fit to head protection
- Ideal for long working periods and hot working environments
- Made from all cotton material to increase comfort

| CODE | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|------|--------|-----------------|---------------|
| RSB  | Black  | 1               | 20            |



## REPLACEMENT HARD HAT HARNESS

FRONTIER  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- 6 point terylene head gear replacement
- Adjusts easily
- Light weight and durable
- Moulded for comfort

| CODE | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|------|--------|-----------------|---------------|
| RWH  | Black  | 1               | 10            |



## HARD HAT CHIN STRAP REPLACEMENT

FRONTIER  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Chin strap replacement
- Comfortable and easily adjustable
- Fits most hard hats

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRTGCHNST000000 | Black  | 20              | 200           |



## FEATURES AND BENEFITS

- To suit a wide range of hard hats
- Provides added protection from the dangers of the sun
- Range of colour combinations
- Sturdy, high quality brims with fabric edging
- Removable neck flap. Attaches with velcro strip
- Easy to fit and remove

| CODE            | DESCRIPTION  | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--|--------|-----------------|---------------|
| FRSNAPBRM001000 | Snap Brim Orange Compatible with MSA Advantage     | Orange | 1               | 20            |
| FRSNAPBRM001002 | Snap Brim Orange Compatible Protector HC600/HC600V | Orange | 1               | 20            |
| FRSNAPBRM001003 | Snap Brim Orange Compatible with Frontier Hard Hat | Orange | 1               | 20            |



COLOURS AVAILABLE







## 2 HEARING PROTECTION

Choosing the right hearing protection is dependent on the noise level experienced on the job or the surrounding environment. It also depends on the right fit and expected comfort level.

Frontier has a number of hearing protection devices suitable for most applications.

# HEARING PROTECTION

**HEARING DAMAGE IS GRADUAL AND CAN OFTEN OCCUR WITHOUT THE WORKER BEING AWARE OF THE CONSEQUENCES. YET, ONCE HEARING DETERIORATION OCCURS, IT IS IRREVERSIBLE.**

Contributing factors to workplace noise are often compounded by secondary sources including traffic, machinery, electrical equipment and music. These are just some examples that are very predominant in today's environment.

Awareness and preventative measures are essential to preserve hearing as **long-term damage is not usually apparent until 10 to 20 years after exposure**. With appropriate use of hearing protection products, noise induced hearing loss is largely preventable.

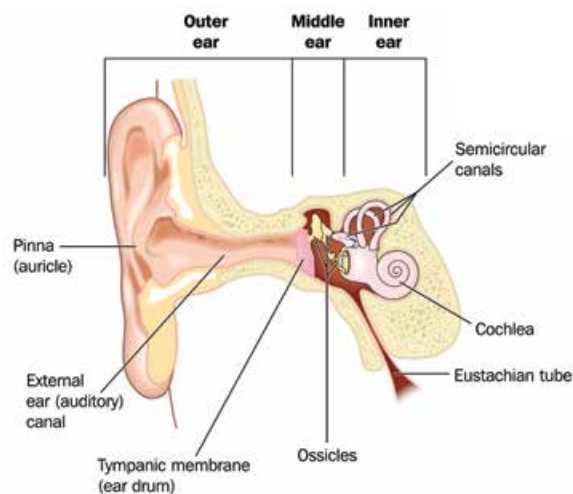
Frontier's range of hearing protection products are designed to protect against noise exposure in the workplace. Our products are certified to Australian and New Zealand Standards (AS/NZS1270) with tightly controlled quality processes.



## THE CLASS SYSTEM FOR NOISE LEVEL PRODUCTION

Under the Australian and New Zealand Standard AS/NZS1270, hearing protectors are tested against a range of noise frequencies and a Sound Level Conversion 80 (SLC80) rating obtained.

SLC 80 is a rating defined as the difference between the sound level of the environment and the level of the sound actually heard when the hearing protection is being used. The resulting dB level is the level of sound getting through when the protector is used.



Noise-induced hearing loss is caused by prolonged exposure to loud noise. The noise damages inner ear hair cells, causing hearing loss to deteriorate over time and become permanent. Noise-induced hearing loss is largely preventable.

| CLASS | AVERAGE EXPOSURE DB(A) OVER 8 HOURS | SLC80 DB(A) RANGE |
|-------|-------------------------------------|-------------------|
| 1     | Less than 90                        | 10 to 13          |
| 2     | 90 to less than 95                  | 14 to 17          |
| 3     | 95 to less than 100                 | 18 to 21          |
| 4     | 100 to less than 105                | 22 to 25          |
| 5     | 105 to less than 110                | 26 or greater     |



## NOISE LEVEL COMPARISONS

| NOISE SOURCE   | DECIBEL LEVEL | DECIBEL EFFECT   |
|--|---------------|--|
| Jet take-off (at 25 meters)  | 150           | Eardrum rupture  |
| Aircraft carrier deck  | 140           | Eardrum rupture  |
| Military jet aircraft take-off from aircraft carrier with afterburner at 15m (130 dB)  | 130           | Eardrum rupture  |
| Thunderclap, chain saw. Oxygen torch (121 dB)  | 120           | Painful. 32 times as loud as 70 dB   |
| Steel mill, auto horn at 1 meter. Turbo-fan aircraft at takeoff power at 65m (118 dB). Riveting machine (110 dB); live rock music (108 - 114 dB)   | 110           | Average human pain threshold. 16 times as loud as 70 dB                    |
| Jet take-off (at 305 meters), use of outboard motor, power lawn mower, motorcycle, farm tractor, jackhammer, garbage truck. Boeing 707 or DC-8 aircraft at one nautical mile (1900m) before landing (106 dB); jet flyover at 300m (103 dB); Bell J-2A helicopter at 30m (100 dB) | 100           | 8 times as loud as 70 dB. Serious damage possible in 8hr exposure          |
| Boeing 737 or DC-9 aircraft at one nautical mile (1900m) before landing (97 dB); power mower (96 dB); motorcycle at 8m (90 dB). Newspaper press (97 dB)  | 90            | 4 times as loud as 70 dB. Likely damage in 8 hour exposure                 |
| Garbage disposal, dishwasher, average factory, freight train (at 15 meters). Car wash at 6m (89 dB); propeller plane flyover at 300m (88 dB); diesel truck 65km at 15m (84 dB); diesel train at 70km at 30m(83 dB). Food blender (88 dB); milling machine (85 dB)                | 80            | 2 times as loud as 70 dB. Possible damage in 8 hour exposure               |
| Passenger car at 105km at 7m (77 dB); freeway at 15m from pavement edge 10 a.m. (76 dB). Living room music (76 dB); radio or TV-audio, vacuum cleaner (70 dB)  | 70            | Arbitrary base of comparison. Upper 70s are annoyingly loud to some people |
| Conversation in restaurant, office, background music, Air conditioning unit at 30m   | 60            | Half as loud as 70 dB. Fairly quiet  |
| Quiet suburb, conversation at home. Large electrical transformers at 30m   | 50            | One-fourth as loud as 70 dB  |

## DUAL PROTECTION

### MAXIMUM PROTECTION BUT WITH LIMITATIONS

In some environments, wearing both earplugs and earmuffs is required for maximum protection, however attenuation is limited due to flanking sound transmission paths in the skull. Therefore the attenuation values of each individual hearing protector cannot be simply added.

#### How to Estimate Protected Noise Level with Dual Protection - Examples

To estimate protected noise level, add **5 dB** to the **higher NRR (Noise Reduction Rating)** protector.

#### EXAMPLE

**33dB** + **29dB**  
**EARPLUG** **EARMUFF**

**= 38dB** **MAXIMUM PROTECTION**



# BE SEEN NOT HEARD



## FRONTIER CLASS 5 OVERHEAD EARMUFFS

Add that extra level of safety with the Frontier hi-vis Class 5 overhead ear muff - offering both high visual identification and supreme protection for the wearer.

Its' durable stainless steel wire construction provides strength, and comfort is assured with a padded headband and easy adjustment system for a more custom fit.



- Compact design
- Hi-vis colour for increased visibility



- Padded headband for wearer comfort
- High quality stainless steel wire headband for increased durability



- Class 5/SLC80 30db
- Soft ear cushions for a superior fit
- AS/NZS 1270:2002 Approved



- Adjustable headband for a customised fit



**FRONTIER**  
PERSONAL PROTECTION

## CLASS 5 UNCORDED FOAM EAR PLUGS

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Class 5 / SLC80 27db
- Hearing protection for noise levels up to 112dB (A)
- Soft PU memory foam for comfort
- Hi-vis colour to identify wearer compliance
- Approved to AS/NZS 1270:2002



Retail Packs

| CODE                             | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------------------------|--------|-----------------|---------------|
| FREARPLUGYY00C5                  | Yellow | 200             | 2000          |
| FREARPLUGYY0C5R<br>(Retail Pack) | Yellow | 10              | 320           |

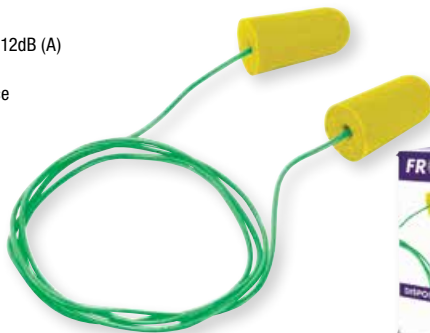
 Australian  
 Standard  
 AS/NZS 1270:2002  
 SAI Global


## CLASS 5 CORDED FOAM EAR PLUGS

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Class 5 / SLC80 27db
- Hearing protection for noise levels up to 112dB (A)
- Soft PU memory foam for comfort
- Hi-vis colour to identify wearer compliance
- Approved to AS/NZS 1270:2002



Retail Packs

| CODE                             | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------------------------|--------|-----------------|---------------|
| FRPLUGCRDYY00C5                  | Yellow | 100             | 1000          |
| FRPLUGCRDYY0C5R<br>(Retail Pack) | Yellow | 5               | 320           |

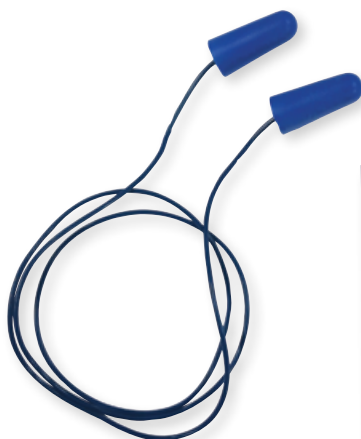
 Australian  
 Standard  
 AS/NZS 1270:2002  
 SAI Global


## CLASS 5 PU METAL DETECTABLE EAR PLUGS

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Class 5 / SLC80 27db
- Easy discernible metal detection system
- Soft PU memory foam for comfort
- Bright blue colour for easy compliance checks
- 100% PVC free
- Approved to AS/NZS 1270:2002


**NEW**  
 COMING  
 SOON

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRDTECPLGBL00C5 | Blue   | 100             | 1000          |

 Australian  
 Standard  
 AS/NZS 1270:2002  
 SAI Global


## CLASS 5 UNCORDED FOAM EAR PLUGS IN JAR

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Class 5 / SLC80 27db
- Jar of 50
- Hearing protection for noise levels up to 112dB (A)
- Soft PU memory foam for comfort
- Hi-vis colour to identify wearer compliance
- Approved to AS/NZS 1270:2002

**NEW**

 COMING  
SOON


| CODE           | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|--------|-----------------|---------------|
| FRPLUGJARY00C5 | Yellow | 50              | 10            |

 Australian  
Standard  
AS/NZS 1270:2002  
S41 Global


## CLASS 5 UNCORDED EAR PLUG DISPENSER

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Dial dispenser
- One plug dispensed to maintain hygiene
- Wall or shelf mounted
- Holds approx 500 ear plugs

**NEW**

 COMING  
SOON


| CODE          | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|--------|-----------------|---------------|
| FRDISPNSBK000 | Black  | 1               | 1             |

 Australian  
Standard  
AS/NZS 1270:2002  
S41 Global


## CLASS 5 UNCORDED EAR PLUG DISPENSER RE-FILL BAG

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Class 5 / SLC80 27db
- Bag of 500 pieces
- Hearing protection for noise levels up to 112dB (A)
- Soft PU memory foam for comfort
- Hi-vis colour to identify wearer compliance
- Approved to AS/NZS 1270:2002

**NEW**

 COMING  
SOON


| CODE             | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|--------|-----------------|---------------|
| FRPLUGBAGYY05000 | Yellow | 500             | 10            |

 Australian  
Standard  
AS/NZS 1270:2002  
S41 Global


## EARPLUG FITTING INSTRUCTIONS

In selecting the best earplug for your situation, consider noise levels and your need to communicate with co-workers or hear warning signals on the job.

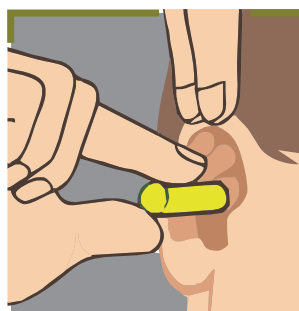
Ensure hands and ear plugs are clean prior to fitting.

### MAINTENANCE

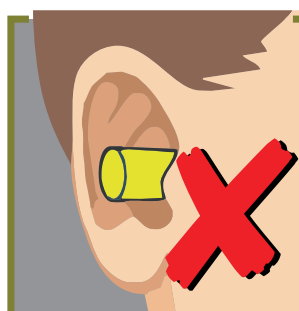
- Inspect earplugs prior to wear for dirt, damage or hardness -discard immediately if compromised
- For proper hygiene, discard single-use earplugs after use



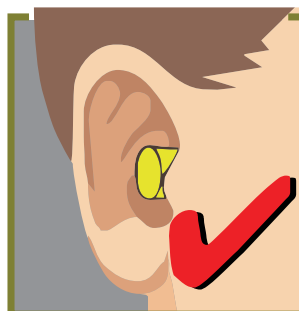
- 1.**  
Roll earplug with tips of fingers to compact foam into a thin crease-free cylinder.



- 2.**  
Insert the compressed earplug well into the ear canal. Pulling the ear outwards & upwards will make fitting easier.



- 3.**



- 4.**  
Ensure earplugs are suitably fitted as per diagram.



### IMPORTANT

Fit earplugs before exposing yourself to noise and wear them during the entire noise exposure. These earplugs are intended for single use only and should be disposed of after use.

### STORAGE

Earplugs must be stored in a clean, uncontaminated area. Earplugs should not be used if the individual polybag packaging has been opened.



## CLASS 5 PRO MUFF CAP ATTACHABLE

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Class 5 / SLC80 31dB
- Hearing protection for noise levels to 111dB (A)
- High performance and strong durability through steel wire construction for maximum protection with easy adjustment system for individual fit
- Contemporary design withstands abuse without compromising comfort
- Solid, light weight ear cup construction
- High quality ear cushions
- Padded foam headband minimises pressure on the head
- Suitable for use with most hard hats
- Comes with 32 and 25mm helmet posts
- 2 park positions available when not used: on the cap or away from the cap
- Approved to AS/NZS 1270:2002


**NEW**

 DUE 4TH  
 QUARTER  
 2019

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRPROCAMF000CL5 | Orange | 1               | TBA           |

 Australian  
 Standard  
 AS/NZS 1270:2002  
 S41 0804


## CLASS 5 PRO EAR MUFF

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Class 5 / SLC80 31dB
- Hearing protection for noise levels to 111dB (A)
- High performance and strong durability through steel wire construction for maximum protection with easy adjustment system for individual fit
- Contemporary design withstands abuse without compromising comfort
- Solid, light weight ear cup construction
- High quality ear cushions
- Padded foam headband minimises pressure on the head
- Steel wire provides a robust construction to withstand demanding use
- Increased wearer comfort due to low clamping force
- Approved to AS/NZS 1270:2002


**NEW**

 DUE 4TH  
 QUARTER  
 2019

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRPROHBMFBK0CL5 | Black  | 1               | 24            |

 Australian  
 Standard  
 AS/NZS 1270:2002  
 S41 0804


## CLASS 5 PRO EAR MUFF NECKBAND

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Class 5 / SLC80 31dB
- Hearing protection for noise levels to 111dB (A)
- High performance and strong durability through steel wire construction for maximum protection with easy adjustment system for individual fit
- Contemporary design withstands abuse without compromising comfort
- Solid, light weight ear cup construction
- High quality ear cushions
- Steel wire provides a robust construction to withstand demanding use
- Increased wearer comfort due to low clamping force
- Approved to AS/NZS 1270:2002


**NEW**

 DUE 4TH  
 QUARTER  
 2019

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRPRONBMFBK0CL5 | Black  | 1               | 24            |

 Australian  
 Standard  
 AS/NZS 1270:2002  
 S41 0804


## PRO HYGIENE KIT

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Replacement foam inserts for Pro Muff
- The Pro Hygiene Kit assists in extending the performance and lifetime of the earmuff
- The Pro Hygiene Kits are recommended to be replaced every six months
- Approved to AS/NZS 1270:2002



**NEW**  
DUE 4TH  
QUARTER  
2019

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRPROHYGKBK0000 | Black  | 6               | 60            |

Australian  
Standard  
AS/NZS 1270:2002  
SN Global

## CLASS 4 OVERHEAD EARMUFF

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Class 4 / SLC80 24db
- Trade quality hearing protection, for general purpose use
- Padded headband for comfort
- 3 position headband - head, behind head, under chin
- Comfortable to wear with hard hat, respirator or visor
- Simple adjustable cup positioning
- Approved to AS/NZS 1270:2002



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FREARMUFFWW00C4 | White  | 1               | 24            |

Australian  
Standard  
AS/NZS 1270:2002  
SN Global

## CLASS 5 OVERHEAD EARMUFF

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Class 5 / SLC80 30db
- High quality robust hearing protection - high noise use
- Hi vis colour for increased visibility
- Hi vis padded headband for comfort and visibility
- Stainless steel wire headband construction for durability
- Approved to AS/NZS 1270:2002



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FREARMUFFYY00C5 | Yellow | 1               | 24            |

Australian  
Standard  
AS/NZS 1270:2002  
SN Global

## EARMUFF FITTING INSTRUCTIONS



- 1.**  
Hair should be moved away from your ears.



- 4.**  
Slide earmuff cups up or down, until a comfortable fit is achieved and ears are fully enclosed.



- 2.**  
Slide earmuff cups to the bottom position on each arm.



- 5.**  
Using both hands, press alternately on each earmuff arm, until you achieve a comfortable fit on the head and ears.



- 3.**  
With the earmuff arms still open as wide as possible, place them over your ears.



- 6.**  
Ear muff arm should be vertical. Ensure equal pressure all round for comfort and maximum protection.



**FRONTIER**  
PERSONAL PROTECTION  
CLASS 5 / SLC80 30dB  
Australian  
Standard  
Certified Product  
AS/NZS 1275:2005  
AS/NZS 1275:2005  
SAA CERTIFIED



A black and white photograph of a man in profile, wearing a white hard hat and safety glasses. The background is a wall with a grid of small circular holes. A blue diagonal banner is at the bottom left.

# 3 EYE & FACE PROTECTION

Our extensive range of glasses and goggles are stylish, safe, durable and you can be assured that all styles meet Australian Standards AS/NZ 1337.1:2010



# EYE & FACE PROTECTION



**EYE INJURY AND DAMAGE IS A REAL AND ALL TOO COMMON WORKPLACE RISK, PARTICULARLY IN INDUSTRIAL ENVIRONMENTS WHERE THE INSTANCE OF CHEMICAL SPLASH, FLYING DEBRIS, PROTRUDING OBJECTS OR WORKPLACE MISADVENTURE IS RELATIVELY HIGH.**

Eye strain and ocular damage from ultraviolet (UV) radiation is also of significant concern which is why all our eyewear lines have a minimum 99% protection against harmful UV radiation from the sun.

Our safety eyewear range includes a comprehensive array of frame styles, lens shapes and coatings that mitigate risk and increase safety in the vast majority of work application areas.

Our products are manufactured and certified to the most recent Australian Standards AS/NZS 1337 and comply with all identity marking requirements.

## WAVELENGTHS AND UV LIGHT

The sun emits three types of light waves and without the correct eye protection, each in its own way can seriously affect the eye.

### ULTRAVIOLET LIGHT RAYS

5% of the sun's energy reaches the earth in this form. UV rays (invisible "tanning" rays) can cause serious damage to the unprotected eye including the development of cataracts and corneal blistering.

### INFRARED LIGHT RAYS

50% of the sun's energy reaches the earth as heat or infrared. Some IR rays will be absorbed by the cornea creating a drying effect – an issue of importance to contact lens wearers.

### VISIBLE LIGHT RAYS

45% of the sun's energy reaches the earth in what the eye perceives as colour. Blue Light waves are the most difficult to see. When the unprotected eye strains to focus on it, all other colours can be distorted. After two to three hours in bright sunlight, eyes can have trouble adjusting to night vision.

The human eye is not able to identify the various elements of a ray – it only sees the results, which are a function of the different wavelengths and their respective light intensity. The human eye can only see wavelengths within the "visible spectrum" (between 380 and 780 nanometres).

## WHAT EYE PROBLEMS CAN UV RAYS CAUSE?

### MACULAR DEGENERATION

UV rays may lead to macular degeneration, a leading cause of vision loss for older people.

### CATARACT

UV rays, especially UV-B rays, may also cause some kinds of cataracts. A cataract is a clouding of the eye's natural lens, the part of the eye that focuses the light we see.

### PTERYGIUM

Another UV-related problem is a growth called pterygium. This growth begins on the white of the eye and may involve the cornea. Eventually, the growth may block vision. It is more common in people who work outside in the sun and wind.

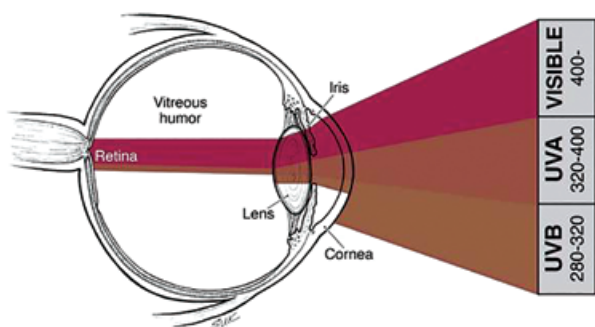
### SKIN CANCER

Skin cancer around the eyelids is also linked to prolonged UV exposure.

### CORNEAL SUNBURN

Corneal sunburn, called photokeratitis, is the result of high short-term exposure to UV-B rays. Long hours exposed to UV light without proper eye protection can cause this problem. It can be very painful and may cause temporary vision loss.





Wear proper eye protection and hats to block the UV rays. To provide adequate protection for your eyes, eyewear should:

- Block out 99 to 100 percent of both UV-A and UV-B radiation
- Screen out 75 to 90 percent of visible light
- Be perfectly matched in colour and free of distortion and imperfection.

## EYE PROTECTION STANDARD

The Australian Eye Protection Standard considers the risks of injury and provides guidelines to mitigate against them. Selecting the wrong type of safety glasses or goggles in handling the application hazard can have serious consequences. It is important to consider possible risks including velocity, size and the nature of the hazard when evaluating the right eyewear. The Standards for protective eyewear provides an excellent source of information and assistance.

### AS/NZS 1336:1997 RECOMMENDED PRACTICES FOR OCCUPATIONAL EYE PROTECTION

This Standard sets out recommended practices for the protection of the eyes of persons at work, against hazards such as flying particles, dust, splashing materials and molten metals, harmful gases, vapours and aerosols, high-intensity radiation generated during welding operations and furnace work. Guidance is given on the selection of eye protectors appropriate to the use of particular lasers. Additional guidance is provided for manufacturers and dispensers of prescription lenses on the requirements for production of prescription personal eye protectors.

### AS/NZS 1337.1:2010 PERSONAL EYE PROTECTION

– Eye and face protectors for occupational applications

**\*PLEASE NOTE:** This new Standard supersedes the previous Standard AS/NZS 1337:1992

## TYPE OF UV RAYS

There are two types of UV rays: UV-A and UV-B. Over time, the effects of UV rays may cause a number of eye problems.

### UV-A

Can hurt your central vision. It can damage the macula, a part of the retina at the back of your eye.

### UV-B

The front part of your eye (the cornea and the lens) absorbs most UV-B rays, but these rays may cause even more damage to your eyes than UV-A rays.

This Standard specifies minimum requirements for non-prescription eye and face protectors and associated oculars. They are designed to provide protection for the eyes and faces of persons against common occupational hazards such as flying particles and fragments, dusts, splashing materials and molten metals, harmful gases, vapours and aerosols. Requirements for optical qualities and low, medium, high and very high impact resistance are given and appendices describing appropriate test methods are included in this Standard. Requirements for prescription-eye protectors against low and medium impact are given in AS/NZS 1337.6. Requirements for eye protectors against laser radiation are given in AS/NZS 1337, Parts 4 and 5.

The aim of this Standard is to assist in the provision of safe, efficient and comfortable vision in the occupational situation, including consideration of the need for protection against sun glare and optical radiation in the natural environment. The Standard does not apply to filter oculars for protection against optical radiations generated by industrial processes, which are dealt with in AS/NZS 1338.

### AS/NZS 1338.1:1992 FILTERS FOR EYE PROTECTORS

– Filters for protection against radiation generated in welding and allied operations

### AS/NZS 1338.2:1992 FILTERS FOR EYE PROTECTORS

– Filters for protection against ultraviolet radiation

### AS/NZS 1338.3:1992 FILTERS FOR EYE PROTECTORS



– Filters for protection against infra-red radiation





## IMPACT PROTECTION RATING




IMPACT PROTECTION IS THE IMPACT SPEED AT WHICH A PARTICLE HITS EYEWEAR. IT IS DESCRIBED IN METRES PER SECOND. REFER TO STANDARD AS/NZS 1337.1:2010

- Low Impact - tested full-face-on at 12m/sec
- Medium Impact - tested front on, as well as side-on at 45m/sec
- High Impact - tested front on, as well as side-on at 120m/sec
- Very High Impact - tested front on, as well as side-on at 190m/sec

## LENS TYPES AND POLARISATION

| POLARISED  |  |
|--|--|
|  <b>GREEN</b> | An injection moulded lens, grey/green in colour, providing the ultimate in 'comfort' vision, soothing the eyes against harsh glare and bright sun. It also provides excellent depth and colour perception. |
|  <b>GREY</b> | An injection moulded lens, grey in colour, providing the ultimate in 'comfort' vision, soothing the eyes against harsh glare and bright sun. It also provides excellent depth and colour perception.       |

| LENS SHADES  |  |
|--|--|
|  <b>CLEAR</b> | Approved for use indoors.  |
|  <b>AMBER</b> | A high definition lens designed for use in low light situations. Approved for use indoors.                         |
|  <b>SMOKE</b> | Excellent protection against damaging UV rays and glare.   |
|  <b>BROWN</b> | A neutral density brown lens that provides true colour definition by fighting glare and enhancing colour contrast. |

| MIRROR (FLASH) SHADES   |  |
|---|--|
|  <b>SMOKE/<br/>SILVER<br/>MIRROR 14%</b>       | Ideal for everyday, all purpose outdoor wear. Neutral density grey lens with metallic silver mirror finish designed to reflect harmful solar rays before they enter the lens. Provides true colour definition. |
|  <b>LIGHT SMOKE<br/>/SILVER<br/>MIRROR 29%</b> | For everyday, all purpose outdoor wear. Medium tint clear lens. Silver metallic finish.  |
|  <b>BLUE<br/>MIRROR 15%</b>                    | Ideal for everyday, all purpose outdoor wear. Neutral density blue lens with metallic silver mirror finish designed to reflect harmful solar rays before they enter the lens. Provides true colour definition. |

## EYEWEAR MARKINGS

| AS/NZS MARKING | DEFINITION                   |
|----------------|------------------------------|
| <b>I</b>       | <b>MEDIUM IMPACT</b>         |
| <b>C</b>       | <b>SPLASHPROOF</b>           |
| <b>D</b>       | <b>DUSTPROOF</b>             |
| <b>G</b>       | <b>GASTIGHT</b>              |
| <b>H</b>       | <b>HIGH TEMPERATURE</b>      |
| <b>O</b>       | <b>OUTDOOR USE, UNTINTED</b> |

Any certified safety eyewear product sold in Australia must carry markings either etched or impressed into the frame and lenses indicating the relevant approval. For a single lens product (like a goggle or eye shield) the markings need only appear once. On a dual lens spectacle, the markings must be on each lens.



# COMFORT COMES IN WAVES

## MACK WAVE SAFETY GLASSES

Classic wrap-around styling in a one piece half frame.  
Ideal for indoor use or sun wear.



- Soft TPR rubber super flexible padded side arms for a superior comfort grip



- Adjustable application nose pads for comfort and reduced slipping



- Adjustable temple side arms alter the angle of view optimally for each application



- Anti-fog coating for use in humid environments (except light mirror)
- Anti-scratch coating to reduce marking and dirt build up
- 99% UV protection



**MACK®**

## FEATURES AND BENEFITS

- Soft TPR super flexible padded side arms for a superior comfort grip
- Adjustable temple side arms alter the angle of view optimally for each application
- 99% UV protection
- Anti-fog coating for use in humid environments (except lite mirror)
- Anti-scratch coating to reduce marking and dirt build up
- Adjustable nose pads for comfort and reduced slipping
- Ultra light
- Approved to AS/NZS 1337.1:2010



CLEAR LENS



## LENS COLOUR GUIDE



| CODE            | COLOUR      | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| MKWAVEBLUCR0000 | Clear       | 12              | 240           |
| MKWAVEBLUM70000 | Lite Mirror | 12              | 240           |
| MKWAVEREDA20000 | Amber       | 12              | 240           |
| MKWAVEREDSM0000 | Smoke       | 12              | 240           |

## MONTEREY PHOTOCHROMATIC

## FEATURES AND BENEFITS

- Variable tint - automatic protection that is convenient and effortless
- Offers the right tint at the right time in changing light
- Blocks 100% UVA and UVB harmful rays
- Performs well in hot climates
- Reduces painful discomforting glare
- Reduces eye fatigue
- Improves contrast
- Virtually as clear as regular hard coated lenses
- Fast to activate - 18 sec
- Wearer does not need a separate pair of sun glasses
- AS/NZS 1337 medium impact protection



VARIABLE  
TINT  
LENSES

NEW



## LENS COLOUR GUIDE



| CODE            | COLOUR              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------------------|-----------------|---------------|
| MKMNTEREYBR00PC | Photochromatic Grey | 12              | 240           |

## MONTEREY POLARISED

## FEATURES AND BENEFITS

- Polarised lenses completely eliminates glare
- Anti-scratch coated lenses
- Blocks 100% UVA and UVB harmful rays
- Reduces eye fatigue
- Improves contrast and general vision
- AS/NZS 1337 medium impact protection



POLARISED LENS



## LENS COLOUR GUIDE



| CODE            | COLOUR          | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-----------------|-----------------|---------------|
| MKMNTEREYP20000 | Polarised Green | 12              | 240           |

## CHRONOS



METAL FREE  
MODEL AVAILABLE

### FEATURES AND BENEFITS

- State of the art base curve 9 wraparound sports style
- Thicker and stronger optical centre lens (2.2mm) allows for greater impact resistance
- Dielectric (metal free) model. No risk of electrical arcing around power lines or machinery
- Soft TPR padded side arms for a superior comfort grip. Rubber end tips and avoids lens scratching
- Super flexible side arms won't snap and difficult to distort
- EVA removable dust gasket as an option. Comfortable seal around eye socket radius to exclude dusts. Easy click on/off
- Mining and food safe with no metal parts
- Anti-fog and anti-scratch (except blue mirror - anti scratch only)
- Approved to AS/NZS 1337.1:2010

| CODE            | COLOUR               | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------------------|-----------------|---------------|
| MKCHRONOSBL0000 | Blue Lite Mirror     | 12              | 240           |
| MKCHRONOSCR0000 | Clear                | 12              | 240           |
| MKCHRONOSSC0000 | Clear c/w Dust Guard | 12              | 240           |
| MKCHRONOSSM0000 | Smoke                | 12              | 240           |
| MKCHRONOSSS0000 | Smoke c/w Dust Guard | 12              | 240           |

IDEAL FOR  
ELECTRICIANS  
& FOR MINING  
APPLICATIONS



BLUE LITE MIRROR LENS



CLEAR WITH DUST GUARD

Australian  
Standard  
AS/NZS 1337.1:2010  
S44 Oklabel

### LENS COLOUR GUIDE



## DUO

### FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Superior anti-fog coating for use in humid environments
- 99% UV protection
- Padded side arms for extra comfort around the temple
- Removable/adjustable nose pads for comfort and reduce slipping
- Ultra light weight 25gm
- Mining and food safe with no metal parts
- Approved to AS/NZS 1337.1:2010

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| MKDUOSPECBR0000 | Brown  | 12              | 144           |
| MKDUOSPECCR0000 | Clear  | 12              | 144           |
| MKDUOSPECSM0000 | Smoke  | 12              | 144           |



BROWN LENS

Australian  
Standard  
AS/NZS 1337.1:2010  
S44 Oklabel

### LENS COLOUR GUIDE



## FLYER

### FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Superior anti-fog coating for use in humid environments
- 99% UV protection
- Polarised lens
- Approved to AS/NZS 1337.1:2010



POLARISED LENS



| CODE            | COLOUR     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|------------|-----------------|---------------|
| MKFLYER00BK0000 | Polar Grey | 12              | 120           |

Australian  
Standard  
AS/NZS 1337.1:2010  
S44 Oklabel

## B-DOUBLE / LONGHAUL



### FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Medium impact protection with shatterproof lens
- 99% UV protection
- Polarised outdoor smoke lens for ultimate glare protection and clarity
- Soft TPR nose bridge and side arms for comfort
- Approved to AS/NZS 1337.1:2010



B-DOUBLE - SMOKE LENS



POLARISED LENS



LONGHAUL - BROWN LENS



### LENS COLOUR GUIDE



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| MKBDoublesM0000 | Smoke  | 12              | 120           |
| MKLNGHAULBR0000 | Brown  | 12              | 120           |

## PILBARA



### FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Anti-fog coating for use in humid environments
- Medium impact protection with shatterproof lens
- 99% UV protection
- Clear lens with anti-glare mirror finish
- Ratchet adjustable side arms for fit and comfort
- EVA positive face seal to protect from dust and particles
- Approved to AS/NZS 1337.1:2010



CLEAR MIRROR LENS



### LENS COLOUR GUIDE



| CODE            | COLOUR       | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------------|-----------------|---------------|
| MKPILBARACM0000 | Clear Mirror | 12              | 120           |
| MKPILBARASM0000 | Smoke        | 12              | 120           |
| MKPILBARACR0000 | Clear        | 12              | 120           |

## VXZ



## FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Anti-fog coating for use in humid environments
- Medium impact protection with shatterproof lens
- 99% UV protection
- Mining and food safe with no metal parts
- Soft flexible nose bridge for comfort
- Ultra light weight for extended all day comfort
- Crystal clear vented side arms
- Approved to AS/NZS 1337.1:2010



CLEAR MIRROR LENS



## LENS COLOUR GUIDE



| CODE            | COLOUR       | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------------|-----------------|---------------|
| MKVX2SPC0CM0000 | Clear Mirror | 12              | 240           |
| MKVX2SPC0CR0000 | Clear        | 12              | 240           |
| MKVX2SPCBLM0000 | Blue Mirror  | 12              | 240           |
| MKVX2SPCGSM0000 | Smoke        | 12              | 240           |
| MKVX2SPCLBR0000 | Brown        | 12              | 240           |

## FORCE



## FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Anti-fog coating
- Medium impact protection with shatterproof lens
- 99% UV protection
- Wrap around sport design with increased lateral protection
- Adjustable nose bridge for optimum comfort and fit
- Approved to AS/NZS 1337.1:2010



BLUE MIRROR LENS



## LENS COLOUR GUIDE



| CODE            | COLOUR      | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| MKFORCEREBL0000 | Blue Mirror | 12              | 240           |
| MKFORCERECR0000 | Clear       | 12              | 240           |

## MACK MAN



## FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Anti-fog coating for use in humid environments
- Medium impact protection with shatterproof lens
- 99% UV protection
- Smoke outdoor lens to reduce glare from artificial and natural light
- Strong and flexible nylon frame construction
- Highly polished two tone styling
- Wrap around design with increased side protection
- Soft TPR nose bridge and side arms for comfort
- Approved to AS/NZS 1337.1:2010



## LENS COLOUR GUIDE



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| MKMACKMANSM0000 | Smoke  | 12              | 120           |

## FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Medium impact protection with shatterproof lens
- 99% UV protection
- Smoke lens with silver mirror finish
- Wrap around sport design with increased side protection
- Soft TPR nose bridge and side arms for comfort
- Approved to AS/NZS 1337.1:2010



## LENS COLOUR GUIDE

SMOKE  
MIRROR

| CODE            | COLOUR       | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------------|-----------------|---------------|
| MKHAZZARDGM0000 | Smoke Mirror | 12              | 120           |



## CONVOY

### FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Medium impact protection with shatterproof lens
- 99% UV protection
- Wrap around sport design with increased lateral protection
- Soft TPR nose bridge and side arms for comfort
- Premium blue Revo outdoor lens with mirror finish for reducing harsh glare and refining colours
- Approved to AS/NZS 1337.1:2010



### LENS COLOUR GUIDE

BLUE  
MIRROR

| CODE            | COLOUR      | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| MKCONVOYRBL0000 | Blue Mirror | 12              | 120           |

## TACHO

### FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Medium impact protection with shatterproof lens
- 99% UV protection
- Approved to AS/NZS 1337.1:2010



### LENS COLOUR GUIDE

BROWN

| CODE  | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-------|--------|-----------------|---------------|
| ME502 | Brown  | 12              | 120           |



# SUPER LIGHT SAFETY

## X-CALIBER SAFETY GLASSES

Wrap-around super light weight polycarbonate frame with a lens that follows the contours of your cheek bones for effective coverage of the entire ocular orbit.



- One-piece polycarbonate combining super light weight/super tough properties (22gm)



- Removable clip-on gasket for extra dust exclusion on some models



- Super thin side arm for minimal hold pressure and minimal impedance to ear muffs



- Anti-fog coating for use in humid environments (except light mirror)
- Anti-scratch coating to reduce marking and dirt build up
- 99% UV protection

**FRONTIER**  
PERSONAL PROTECTION

## X-CALIBER

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Not just a wrap-around frame but a lens cut to follow the contours of your cheek bones for effective coverage of the entire ocular orbit
- One piece polycarbonate combining super light weight/super tough properties (22gm)
- Super thin side arm for minimal hold pressure and minimal impedance to earmuff use
- Anti-scratch / anti-fog coatings
- Removable clip-on gasket for extra dust exclusion on FRXCALWGDCR and FRXCALWGDSM
- Medium impact resistance
- 99% UV protection
- Approved to AS/NZS 1337.1:2010

| CODE            | COLOUR               | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------------------|-----------------|---------------|
| FRXCALSPCCR0000 | Clear                | 12              | 240           |
| FRXCALWGDCR0000 | Clear c/w Dust Guard | 12              | 240           |
| FRXCALWGDSM0000 | Smoke c/w Dust Guard | 12              | 240           |
| FRXCALSPCSM0000 | Smoke                | 12              | 240           |
| FRXCALSPCL30000 | Lite Mirror          | 12              | 240           |
| FRXCALSPCBR0000 | Brown                | 12              | 240           |



LITE MIRROR



CLEAR WITH DUST GUARD



### LENS COLOUR GUIDE



## SYNCRO

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Medium impact rated
- Mining and food safe with no metal parts
- 2.2mm lens centre for higher velocity resistance to impacts
- Flexible, distortion free side arms
- Integral side brow guard for greater optical protection
- Anti-scratch / anti-fog lens coatings (except Blue Mirror)
- Approved to AS/NZS 1337.1:2010

| CODE            | COLOUR      | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| FRSSYNCR0CR0000 | Clear       | 12              | 240           |
| FRSSYNCR0SM0000 | Smoke       | 12              | 240           |
| FRSSYNCR0BL0000 | Blue Mirror | 12              | 240           |



CLEAR



### LENS COLOUR GUIDE



## KOKODA

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Medium impact rated
- Anti-fog lens (except Blue Mirror)
- Anti-scratch lens
- Smooth streamlined finish
- 99.9% UV protection
- Moulded nose bridge
- Tough polycarbonate construction
- Ultra light weight for increased comfort
- Rubber temple arm tips for pressure dispersion
- Approved to AS/NZS 1337.1:2010



BLUE MIRROR LENS

| CODE            | COLOUR      | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| FRKODASPCR0000  | Clear       | 12              | 144           |
| FRKODASPCSM0000 | Smoke       | 12              | 144           |
| FRKODASPCBL0000 | Blue Mirror | 12              | 144           |



### LENS COLOUR GUIDE



## VX3

FRONTIER  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- One piece PC eyewear in latest wraparound style
- Panoramic wide vision design.
- Unique multi-hinged temple design for flex and stability
- All blue arm models are anti-scratch
- Anti-fog coated model has crystal black arm
- 99.9% UV protection
- Made to AS/NZS 1337.1:2010



CLEAR + ANTI SCRATCH

NEW

| CODE            | COLOUR             | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------------------|-----------------|---------------|
| FRVX3SPECCR0000 | Clear              | 12              | 144           |
| FRVX3AFASCR0000 | Clear c/w Anti-Fog | 12              | 144           |
| FRVX3SPECM70000 | Lite Mirror        | 12              | 144           |
| FRVX3SPECM0000  | Smoke              | 12              | 144           |



CLEAR + ANTI SCRATCH + ANTI FOG

Australian  
Standard  
AS/NZS 1337.1:2010  
SAS Global  
Certified Product

## LENS COLOUR GUIDE

|       |                |       |
|-------|----------------|-------|
| CLEAR | LITE<br>MIRROR | SMOKE |
|-------|----------------|-------|

## VISION X

FRONTIER  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Medium impact rated
- Anti-scratch lens
- Smooth streamlined finish
- 99.9% UV protection
- Moulded nose bridge
- Tough polycarbonate construction
- Ultra light weight for increased comfort
- Approved to AS/NZS 1337.1:2010



SMOKE LENS

| CODE            | COLOUR      | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| FRVISXSPCCR0000 | Clear       | 12              | 144           |
| FRVISXSPCSM0000 | Smoke       | 12              | 144           |
| FRVISXSPCBL0000 | Blue Mirror | 12              | 144           |
| FRVISXSPCA20000 | Amber       | 12              | 144           |

Australian  
Standard  
AS/NZS 1337.1:2010  
SAS Global  
Certified Product

## LENS COLOUR GUIDE

|       |       |                |       |
|-------|-------|----------------|-------|
| CLEAR | SMOKE | BLUE<br>MIRROR | AMBER |
|-------|-------|----------------|-------|

## SCANNER

FRONTIER  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Built-in dust excluding gasket
- Comfortable, soft, aviator styling
- Includes adjustable head band
- Anti-fog and anti-scratch coatings
- 99.9% UV protection
- Approved to AS/NZS 1337.1:2010



CLEAR LENS

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRSCANNERCR0000 | Clear  | 12              | 144           |
| FRSCANNERSM0000 | Smoke  | 12              | 144           |

Australian  
Standard  
AS/NZS 1337.1:2010  
SAS Global  
Certified Product

## LENS COLOUR GUIDE

|       |       |
|-------|-------|
| CLEAR | SMOKE |
|-------|-------|

## VOODOO

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Medium impact rated
- Anti-fog lens and anti-scratch coatings
- 99.9% UV protection
- Smooth streamlined finish
- Moulded nose bridge
- Tough polycarbonate construction
- Ultra light weight for increased comfort
- Rubber temple arm tips for pressure dispersion
- Approved to AS/NZS 1337.1:2010



CLEAR LENS



### LENS COLOUR GUIDE

CLEAR

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRVDOOSPCCR0000 | Clear  | 12              | 144           |

## CLASSIC

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Medium impact rated
- Mining and food safe with no metal parts
- 2.2mm lens centre for higher velocity resistance to impacts
- Flexible, distortion free side arms
- Integral side brow guard for greater optical protection
- Anti-scratch / anti-fog lens coatings
- Approved to AS/NZS 1337.1:2010



SMOKE LENS



### LENS COLOUR GUIDE

CLEAR

SMOKE

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRCLASSPCCR0000 | Clear  | 12              | 144           |
| FRCLASSPCSM0000 | Smoke  | 12              | 144           |



## FEATURES AND BENEFITS

- Effective and comfortable over specs for wearers of prescription glasses
- Fits most styles of prescription frames
- Medium impact rated
- May be used as standard and visitor's safety glasses
- Anti-scratch and anti-fog coatings
- Approved to AS/NZS 1337.1:2010



CLEAR LENS

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FROVERSPXCL0000 | Clear  | 12              | 144           |
| FROVERSPXSM0000 | Smoke  | 12              | 144           |



## LENS COLOUR GUIDE



## MARATHON SAFETY GOGGLE

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Chemical splash resistant
- Anti-fog and anti-scratch coatings
- Medium impact rated
- Clear and smoke shades for indoor/sunlight
- Vented for cooling/airflow
- Approved to AS/NZS 1337.1:2010



CLEAR LENS

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRMARATHNCR0000 | Clear  | 6               | 60            |
| FRMARATHNSM0000 | Smoke  | 6               | 60            |



### LENS COLOUR GUIDE



## CLARITY SAFETY GOGGLE

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Chemical splash resistant
- Anti-fog and anti-scratch coatings
- Medium impact rated
- Approved to AS/NZS 1337.1:2010



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRCLARGGLCR0000 | Clear  | 6               | 60            |



## FEATURES AND BENEFITS

- High impact visor suitable for grinding, cutting and splash
- Ratchet adjustable brow guard
- Chin guard attachment included
- Light weight impact resistant shell
- Absorbent terry towelling headband
- Wide vision
- Anti-scratch
- 99.9% UV protection



## LENS COLOUR GUIDE

CLEAR

| CODE             | DESCRIPTION                      | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------------------------------|--------|-----------------|---------------|
| FRFSHIELDRCR0000 | Frontier Face Shield High Impact | Clear  | 6               | 60            |
| FRFSVISORCR0000  | Frontier Visor Replacement Clear | Clear  | 10              | 200           |



## REPLACEMENT CLEAR VISOR

# BE SHIELDED WITH CONFIDENCE

## FRONTIER HIGH IMPACT FACE SHIELD

Light weight shell, including wide vision anti scratch visor with UV protection, and ratchet adjustable brow guard.



REPLACEMENT  
VISOR

- Ratchet adjustable brow guard

- Light weight impact resistant shell

- Absorbent terry towelling headband

- High impact visor suitable for grinding, cutting and splash
- Wide vision
- Anti-scratch
- 99.9% UV protection







4

# RESPIRATORY

Our range of comfortable, maintenance free, disposable masks enable users to breathe easy in most work environments.

All Frontier masks are locally tested and certified to AS/NZS1716:2012.

# RESPIRATORS

## THE FRONTIER RANGE OF DISPOSABLE RESPIRATORY MASKS INCLUDES BOTH CUP SHAPED AND FOLD FLAT MODELS, DEPENDING ON USER PREFERENCE.

All P1/P2 Frontier masks are certified to Australian Standards AS/NZS1716:2012 and suitable for filtering out most airborne hazards found in the workplace to provide a safe, comfortable and convenient solution.

Frontier masks are maintenance free and designed for single use. This means they are fitted to start a work shift and discarded once the mask is removed on taking a break. A mask should be used for no more than 8 continuous hours. At any time, if breathing starts to become laboured, it is likely the mask is nearing particulate saturation and a new one should be fitted.



### CUP STYLE

Cup structure provides strength and resistance to flattening



### FOLDED STYLE

Can be carried flat in a pocket

CHOOSING THE RIGHT RESPIRATOR MEANS DETERMINING THE HAZARD IN THE APPLICATION. The following information offers a guide.

## PARTICULATE RATING P1

- Protects against low levels of dust. This includes calcium carbonate, natural and synthetic graphite, gypsum, chalk, cement, plaster, marble, zinc oxide, plant pollens, cellulose, sulphur, cotton, ferrous metal filings, coal dust containing less than 10% of free silica
- Protects against solid and liquid aerosols
- Retains about 80% of particles smaller than 2 micrometers
- Can be used for hand sanding, drilling, and cutting
- Occupational Exposure Limit (OEL): Protects against materials in concentrations 4 x limit
- Protection Factor: Protects against materials in concentrations 4 x limit.

## PARTICULATE RATING P2

- Protects against moderate levels of dust. In addition to P1 (above), this includes asbestos, copper, barium, titanium, vanadium, chromium, manganese, hardwood, coal dust with free silica content exceeding 10%, mining industry, chemical industry, metallurgic industry (version with exhalation valve), hard woodworking
- Protects against solid and liquid aerosols
- Higher protection than P1
- Retains about 94% of particles smaller than 0,5 micrometer
- Can be used for plastering and sanding
- Occupational Exposure Limit (OEL): Protects against materials in concentrations 12 x limit
- Protection Factor: Protects against materials in concentrations 10 x limit.

**Note:** These masks are not suitable for toxic atmospheres or those which are deficient in oxygen. In such cases you may need a half mask with separate and appropriate filters or a supplied air respirator.

## ADDITIONAL FEATURES GUIDE



### FRONTIER MODELS WITH VALVE:

The 360° exhalation valve considerably reduces breathing resistance and build-up of heat and moisture in the mask.



### COMFORT SEALING LIP

The soft sealing lip guarantees a secure, comfortable sealed positioning of the mask.



### COMFORT NOSE CLIP

The mask is fitted with a high-quality nose clip making it individually adjustable.



### CARBON INSIDE OUR FRONTIER CARBON ACTIVATED MASK

The additional activated carbon layer incorporated in the filter material reduces unpleasant odours.



### DOUBLE NON-LATEX HEADBAND

for a secure, allergy free fit on all models except the nuisance mask.

## FITTING INSTRUCTIONS



**1.** Hold the respirator in one hand with nose-piece at your fingertips, allowing the head straps to hang freely below your hands.



**2.** Place the respirator against your face with the nose-piece on the bridge of your nose.



**3.** Place the top strap high on the back of your head. Move the bottom strap over your head and position it below your ears.



**4.** Use both hands to mould the nose-piece to the shape of your nose for a secure, comfortable fit.



**5.** Test to fit. Cup your hands over the respirator and exhale strongly. If air flows around your nose, tighten the nose-piece. If air escapes around the edges, reposition the straps for a better fit.



## RESPIRATOR DISPOSABLE CUP DUST MASK P2

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P2 filters around 94% of airborne particles including common microbes and viruses
- Cup structure provides strength and resistance to flattening
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION   | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------------|-----------------|---------------|
| FRRESPCUP0000P2 | Without Valve | 20              | 240           |



## RESPIRATOR DISPOSABLE CUP DUST MASK P2V

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P2 filters around 94% of airborne particles including common microbes and viruses
- Cup structure provides strength and resistance to flattening
- Valve offers cooling in warm or hot conditions by allowing breath to escape
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| FRRESPCUP000P2V | With Valve  | 10              | 240           |



## RESPIRATOR DISPOSABLE CUP DUST MASK P2V CARBON ACTIVATED

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- Carbon activated mask will protect against thermally or organically generated particles
- P2 filters around 94% of airborne particles including common microbes and viruses
- Cup structure provides strength and resistance to flattening
- Valve offers cooling in warm or hot conditions by allowing breath to escape
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION                 | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-----------------------------|-----------------|---------------|
| FRRESPCUPCA0P2V | Carbon Activated with Valve | 10              | 240           |



## RESPIRATOR FLAT FOLD DISPOSABLE MASK P2

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P2 filters around 94% of airborne particles including common microbes and viruses
- Can be carried flat in a pocket
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION   | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------------|-----------------|---------------|
| FRRESPFLT0000P2 | Without Valve | 10              | 240           |

## RESPIRATOR FLAT FOLD DISPOSABLE MASK P2V

**FRONTIER**  
 PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P2 filters around 94% of airborne particles including common microbes and viruses
- Valve offers cooling in warm or hot conditions by allowing breath to escape
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Can be carried flat in the pocket
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| FRRESPFLT000P2V | With Valve  | 10              | 240           |

## RESPIRATOR DISPOSABLE CUP DUST MASK P1

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P1 filters around 80% of airborne particles
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Cup structure
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION   | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------------|-----------------|---------------|
| FRRESPCUP0000P1 | Without Valve | 20              | 240           |

## RESPIRATOR DISPOSABLE CUP DUST MASK P1V

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P1 filters around 80% of airborne particles
- Valve offers cooling in warm or hot conditions by allowing breath to escape
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Cup structure
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| FRRESPCUP000P1V | With Valve  | 10              | 240           |

## RESPIRATOR FLAT FOLD DISPOSABLE MASK P1

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P1 filters around 80% of airborne particles
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Can be carried flat in the pocket
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION   | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------------|-----------------|---------------|
| FRRESPFLT0000P1 | Without Valve | 20              | 240           |



## RESPIRATOR FLAT FOLD DISPOSABLE MASK P1V

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Industrial quality grade materials
- P1 filters around 80% of airborne particles
- Valve offers cooling in warm or hot conditions by allowing breath to escape
- Light weight disposable single use
- Ultrasonic bonded head bands (no staples)
- Adjustable nose bridge allows snug fit
- Can be carried flat in the pocket
- Approved to AS/NZS 1716:2012



| CODE            | DESCRIPTION | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------|-----------------|---------------|
| FRRESPFLT000P1V | With Valve  | 20              | 240           |

## NUISANCE DUST MASK

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- For non-toxic nuisance dusts
- Adjustable nose bridge to allow snug fit
- Industrial quality
- Light weight
- Provides clear vision
- Maintenance free
- Sturdy, elastic headband
- Cup structure



| CODE            | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-----------------|---------------|
| FRRESPCUP000000 | 50              | 600           |





# 5 BODY PROTECTION










With an extensive range of quality disposable coveralls, as well as face, head, arm and shoe covers, Frontier keeps workers safe and protected.

# PROTECTIVE CLOTHING & BODY PROTECTION

IT IS EVERYONE'S RESPONSIBILITY - EMPLOYERS AND INDIVIDUALS ALIKE, TO ENSURE THE BODY IS ADEQUATELY PROTECTED TO ENSURE A SAFE, COMFORTABLE WORK ENVIRONMENT.

All protective clothing and body protection equipment should also meet the necessary Australian Standards.

## CHOOSING THE RIGHT PRODUCTS





| TYPE              |   | FRCVRALPP   | FRCVRLSMS  | FRCVRT456  |
|-------------------|---|---|--|--|
|                   | FABRIC/APPLICATION  | POLYPROPYLENE   | SMS  | BREATHABLE LAMINATED   |
| COVERALL FEATURES |   |  |  |  |
|                   | Serged Seam   | -   | ✓  | ✓  |
|                   | Bound Seam  | -   | Available  | ✓  |
| PROTECTION LEVEL  |  TYPE4 EN 14605/05/+A1/09 (protection against chemical spray)                    | -   | -  | ✓  |
|                   |  TYPE5 EN ISO 13982-1/04+A1/10 (protection against particulate-tight)            | -   | ✓  | ✓  |
|                   |  TYPE6 EN 13034/05+A1/09 (protection against chemical splash)                    | -   | ✓  | ✓  |
|                   |  EN 1073-2/02 Class 1 (protection against radioactive particulate contamination) | -   | ✓  | ✓  |
|                   |  EN 14126/03 (protection against infective agents)                               | -   | -  | ✓  |
|                   |  EN 1149-5/08 (protective with electrostatic properties)                         | -   | -  | ✓  |
|                   |   |   |  |  |
| APPLICATION       | Dust and Grime  | ✓   | ✓  | ✓  |
|                   | Light Duty Work   | ✓   | ✓  | ✓  |
|                   | Biological Hazards and infective agents   | -   | -  | ✓  |
|                   | Chemical handling or transportation   | -   | -  | ✓  |
|                   | Decontamination   | -   | -  | ✓  |
|                   | Painting and Spraying   | -   | ✓  | ✓  |
|                   | Pharmaceutical manufacturing  | -   | ✓  | ✓  |
|                   | Electronic assembly and insulation laying   | -   | -  | ✓  |
|                   | Mining, wood and metal processing   | -   | ✓  | ✓  |
|                   | Industrial manufacturing and maintenance  | -   | ✓  | ✓  |
|                   | Asbestos removal, stripping, clear-up or handing  | -   | ✓  | ✓  |
|                   | Motor vehicle manufacturing and ship building   | -   | -  | ✓  |
|                   | Fibre exposure and fibreglass product manufacturing   | -   | -  | ✓  |
|                   | Agriculture and veterinary services   | -   | -  | ✓  |

## NON-WOVEN DISPOSABLE PROTECTIVE COVERALLS AND ACCESSORIES




Frontier's certified disposable coveralls for hazardous chemical and particle protection, SPP hairnets and beard covers, have you covered against hazardous particles and dusts.

## PROTECTIVE CLOTHING TYPE DEFINITION

### CHEMICAL PROTECTIVE CLOTHING - CATEGORY III

| TYPE   | DESCRIPTION   | NORM           |
|--|---|----------------|
|  Type 3   | Protection against pressurised liquid chemicals         | EN 14605       |
|  Type 4   | Protection against aerosols                             | EN 14605       |
|  Type 5  | Protection against airborne solid particulate chemicals | EN ISO 13982-1 |
|  Type 6 | Limited protection against liquid mist                  | EN 13034       |

### OTHER TYPES OF PROTECTION

| DESCRIPTION  | NORM           |
|--|----------------|
|  Protection against particulate radioactive contamination   | EN 1073-2*     |
|  Biological protection (Infective Agents)                   | EN 14126       |
|  Electrostatic discharge if properly grounded (Anti-static) | EN 1149-5:2008 |

\*Gives no protection against radioactive radiation.

### FRONTIER'S SMS COVERALLS – (CAT III)

Frontier's SMS Coveralls are made of a unique barrier fabric that has a **trilaminate construction** offering high tensile strength and toughness while also being soft and comfortable to wear.

- EN 13034:2005+A1:2009
- EN ISO 13982-1:2004+A1:2010
- EN 1073-2:2002

The Frontier Super Suit is made from **65gsm microporous film laminate that combines** high tensile strength, barrier protection and breathability. Certified for Type 4, 5, 6 protection, the suit can protect against chemical sprays, asbestos removal, spray painting, radioactive materials and viruses.

### FRONTIER SUPER SUIT APPAREL STANDARDS

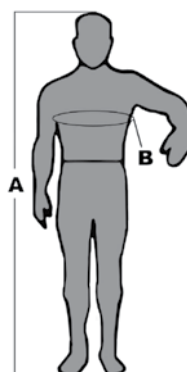
- EN 13034:2005+A1:2009
- EN ISO 13982-1:2004+A1:2011
- EN 14605:2005
- EN 340:2003
- EN 14126:2003
- EN 1073-2:2002
- EN 1149-5:2008

### FOOD AND HYGIENE INDUSTRY DISPOSABLES

For sleeves, hair nets, beard covers, sleeve protectors, shoe covers. Our protective non-woven disposable clothing and accessories are designed to meet the highest levels of safety and comfort and are manufactured from quality materials.

## COVERALLS AND VESTS SIZING CHART

| SIZE | HEIGHT A   |              | CHEST B    |              |
|------|------------|--------------|------------|--------------|
| S    | 64 - 67 in | 164 - 170 cm | 33 - 36 in | 84 - 92 cm   |
| M    | 66 - 69 in | 167 - 176 cm | 36 - 39 in | 92 - 100 cm  |
| L    | 69 - 71 in | 174 - 181 cm | 39 - 43 in | 100 - 108 cm |
| XL   | 70 - 74 in | 179 - 187 cm | 43 - 45 in | 108 - 115 cm |
| 2XL  | 73 - 76 in | 186 - 194 cm | 45 - 49 in | 115 - 124 cm |
| 3XL  | 76 - 78 in | 194 - 200 cm | 49 - 52 in | 124 - 132 cm |
| 4XL  | 78 - 81 in | 200 - 206 cm | 52 - 55 in | 132 - 140 cm |





## POLYPROPYLENE COVERALL

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Light weight, economical protection against dirt and grime
- Breathable and cool
- Elasticated hood, ankles and cuff
- Individually packaged



| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| FRCVRALPPBL000M-3XL | Blue   | 50              | 50            |
| FRCVRALPPO0000M-3XL | Orange | 50              | 50            |
| FRCVRALPPWW000M-3XL | White  | 50              | 50            |

### AVAILABLE COLOURS



## TYPE 5/6 DISPOSABLE SHIELD COVERALL

**FRONTIER**  
PERSONAL PROTECTION

One-piece coverall made of non-woven 55 gsm SMS with 4-thread overlapped seams, comfortable hood, zip front opening and covered by a self-adhesive flap, elastic at cuffs, ankles, hood and waist,

### FEATURES AND BENEFITS

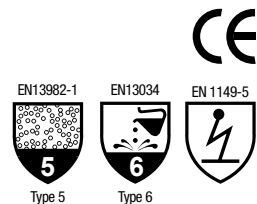
- Provides good barrier to particulates and low hazard liquid sprays or splashes
- Strong, durable and comfortable
- Barrier to radioactive particulates contamination
- 4-thread overlapped seam provides stronger seam strength
- Reinforced diamond crotch provides more strength and ease of movement
- Anti-static

### APPLICATIONS

- Painting and spraying
- Pharmaceutical manufacturing
- Mining, wood and metal processing
- Industrial manufacturing and maintenance
- Asbestos removal, stripping, clear-up or handling



| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| FRCVRLSMSBL000S-3XL | Blue   | 50              | 50            |
| FRCVRLSMSO0000M-3XL | Orange | 50              | 50            |
| FRCVRLSMSWW000M-3XL | White  | 50              | 50            |



### AVAILABLE COLOURS



## TYPE 4/5/6 SUPER SUIT

**FRONTIER**  
PERSONAL PROTECTION

One-piece coverall made of non-woven 65 gsm micro-porous material with heat sealed tape seams, comfortable hood, zip front opening covered by a self-adhesive flap, elastic at cuffs, ankles, hood and waist.

### FEATURES AND BENEFITS

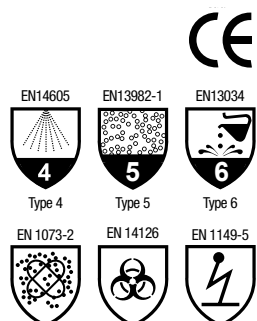
- Good barrier to particulates and low hazard liquid sprays or splashes
- Barrier to biological hazards and infective agents
- Barrier to radioactive particulates contamination
- Clothing with electrostatic properties
- 4-thread overlapped seam provides stronger seam strength
- Reinforced diamond crotch provides more strength and ease of movement
- Anti-static

### APPLICATIONS

- Biological hazards and infective agents
- Decontamination
- Painting and spraying
- Pharmaceutical manufacturing
- Electronic assembly and insulation laying
- Mining, wood and metal processing
- Industrial manufacturing and maintenance
- Asbestos removal, stripping, clear-up or handling
- Motor vehicle manufacturing and ship building
- Fibre exposure and fibreglass product manufacturing
- Agriculture and veterinary services



| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| FRCVRT456WW000S-4XL | White  | 5               | 50            |



### AVAILABLE COLOURS



## DISPOSABLE MEDICAPS

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Light weight non-woven paper for comfort, hygiene and cleanliness
- Provides excellent breathability
- Germ free and durable in nature
- Generous sizing



WHITE MEDICAP

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRMEDICAPWW0000 | White  | 1000            | 1000          |
| FRMEDICAPBL0000 | Blue   | 1000            | 1000          |

## AVAILABLE COLOURS



## DISPOSABLE DOUBLE/SINGLE LOOP BEARDCOVER

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Hygienic facial hair cover
- Light weight non-woven material
- Generous sizing



DOUBLE LOOP BEARDCOVER

| CODE            | COLOUR | HEAD BAND<br>TYPE | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-------------------|-----------------|---------------|
| FRBRDDOUBWW0000 | White  | Double Loop       | 500             | 500           |
| FRBRDSGLEWW0000 | White  | Single Loop       | 500             | 500           |

## AVAILABLE COLOURS



## DISPOSABLE PE WATERPROOF ARM SLEEVE

**FRONTIER**  
 PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Waterproof
- Elasticated at both ends and heat sealed
- Light weight polyethylene (LDPE) for excellent splash protection
- Provides wrist to above elbow protection



WHITE ARM SLEEVE

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRARMSLVEWW0000 | White  | 2000            | 2000          |

## AVAILABLE COLOURS



## DISPOSABLE NON-SKID SHOE COVERS

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Premium dust protection
- Non-slip pattern for safety
- Sealed-in elastic edge for a secure fit
- Prevents contamination



WHITE SHOE COVERS

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRSHCOVNSWW0000 | White  | 500             | 500           |
| FRSHCOVNSBL0000 | Blue   | 500             | 500           |

### AVAILABLE COLOURS



## DISPOSABLE LABCOAT WITH GRIP TAB

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- No pockets - ideal for food processing areas
- Made from non woven polypropylene for good breathability
- Features elastic cuffs and velcro closures
- Provides comfortable protection in dry areas from dust and grime



WHITE LABCOAT

| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRLABCOATWW0000 | White  | 50              | 50            |
| FRLABCOATBL0000 | Blue   | 50              | 50            |

### AVAILABLE COLOURS



## DISPOSABLE APRON - 1350 X 810MM

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Light weight and comfortable to wear
- White in colour for cleanliness visibility
- Size 1350mm x 810mm
- Easy tie off
- Splash resistant



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRDISAPRNWW0000 | White  | 500             | 500           |

### AVAILABLE COLOURS



## FLAMEZONE LEATHER BLANKET

### FEATURES AND BENEFITS

- Use as a drop sheet or curtain, for full body protection
- Ideal for welding applications
- Metal eyelets for securing
- Premium chrome leather
- 1.8m x 1.8m



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRWLDBLKTGY1818 | Grey   | 1               | 5             |

## HI VIS VESTS

INJURY OR NEAR-MISS BECAUSE SOMEONE DIDN'T SEE YOU?

Accidents happen commonly during the day and especially in low light. Whether you're exactly where you're supposed to be, or in the wrong place at the wrong time, wearing a hi vis vest increases your chances of being seen, therefore avoiding accidents.

Frontier high-visibility garments issued for safety on site or on-road, meet the following performance standards;

- AS/NZS 1906.4:2010
- AUSTRALIAN STANDARD FOR HIGH-VISIBILITY CLOTHING 4602.1:2011.

NOTE:- All garments should be worn and maintained correctly to ensure maximum protection.



### DAY SAFETY VEST

**FRONTIER**  
PERSONAL PROTECTION

#### FEATURES AND BENEFITS

- Safety vest
- Class D
- Day use only
- Durable polyester material
- Certified to AS/NZS 4602.1:2011



| CODE                | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| FRDAYVEST00000S-5XL | HV Orange | 1               | 50            |
| FRDAYVESTYY000S-5XL | HV Yellow | 1               | 50            |

### DAY/NIGHT SAFETY VEST

**FRONTIER**  
PERSONAL PROTECTION

#### FEATURES AND BENEFITS

- Safety vest - day/night use
- Class D/N
- H pattern reflective
- Durable polyester material
- Certified to AS/NZS 4602.1:2011



| CODE                | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| FRDNTVEST00000S-5XL | HV Orange | 1               | 50            |
| FRDNTVESTYY000S-5XL | HV Yellow | 1               | 50            |





# 6 HAND PROTECTION

Whether it's gloves for cut or cold protection, general handling or chemical resistance, we have one of Australia's most comprehensive hand protection ranges for a number of diverse applications.

# HEALTH AND SAFETY FOR YOUR HANDS

**HANDS AT WORK ARE EXTREMELY VULNERABLE TO A WIDE RANGE OF HAZARDS WHICH INCLUDE CUTS, BLOWS, CHEMICAL ATTACK AND TEMPERATURE EXTREMES. YOUR HANDS ARE YOUR MOST IMPORTANT TOOLS, SO WE WANT TO PROTECT THEM WITH THE BEST.**

## WHAT GOES INTO GREAT GLOVES?

With our wide range of work gloves you can count on the ultimate combination of functionality, durability, economy and protection to match your specific job requirements. Today, industry has increasingly complex, sensitive and often hazardous manufacturing and handling processes. Hence our offering helps identify your safest “fit for purpose” options.

## THE IMPORTANCE OF GLOVE MAINTENANCE

Wearers must take careful note of the condition of their gloves and replace them as soon as any degradation, contamination or damage has taken place that renders the gloves ineffective for their intended function. This is especially important for chemical-resistant gloves that offer the wearer protection from serious hazards.

Check for gloves that have become brittle or cracked, softened excessively, or show signs of becoming abnormally porous. Effective protection is maintained by regular replacement of the gloves.



**Protective gloves must be worn**

## CARE BEFORE USING GLOVES IN CHEMICAL ENVIRONMENTS

### BEFORE USE

- Make sure gloves are dry both inside and out before reusing
- Thoroughly wash and dry your hands before donning the gloves.

### DURING USE

- Slightly folding the sleeve of the glove over itself will help prevent unwanted substances from coming into contact with the arms
- Frequently check that the gloves are not displaying any signs of degradation or becoming porous
- DO NOT use gloves beyond the recommended exposure time, as highlighted within a COSHH (Control of Substances Hazardous to Health) assessment.

### REMOVAL

- Always follow user instructions when removing gloves
- Heavily contaminated gloves should be disposed of safely and should be removed from the hand by easing each glove off with the other until they can be safely dropped into a suitable container.


### CLEANING

- Remove excess contaminant. If safe to do so, gloves may then be washed with mild detergent in warm water (provided that the contaminant does not have an adverse reaction to water) and left to dry.

## COMPLIANCE AND TEST STANDARDS


### WHAT THE SYMBOLS REPRESENT

**EN 388**




**EN 388**  
This Standard applies to all kinds of protective gloves giving protection from mechanical risks, in respect of physical problems caused by abrasion, blade cut, tearing or puncture. This Standard also covers risk of electrostatic discharge.

**EN 374**




**EN 374**  
This Standard specifies the capability of gloves to protect the user against chemicals and/or micro-organisms.

**CHEMICAL RESISTANT**




The 3 letter code applies to the chemicals it is resistant to.

**Low chemical resistance to unspecified chemicals.**




**EN 511**




**EN 511**  
This Standard applies to gloves which protect the hands against convective and contact cold.

**EN 407**




**EN 407**  
This Standard specifies thermal performance for protective gloves against heat and/or fire.

**EN 659**




**EN 659**  
This Standard defines performance requirements for gloves designed to protect fire fighters against heat and flames.

**EN 421**



**EN 421**  
This Standard lays down test methods and performance criteria for gloves offering protection against ionising radiation and radioactive contamination.


**EN 455**



**EN 455**  
Medical gloves for single use. If a glove is to be used for food handling, it is required to carry either the words 'for food use' or this symbol.

### WHAT THE NUMBERS REPRESENT

**MECHANICAL HAZARDS: EN 388**



**3443**


A B C D

**PERFORMANCE LEVEL**

|                          |     |
|--------------------------|-----|
| (a) Abrasion resistance  | 0-4 |
| (b) Blade-cut resistance | 0-5 |
| (c) Tear resistance      | 0-4 |
| (d) Puncture resistance  | 0-4 |

The same method applies to these two standards below also.

**EN 511: COLD**



**PERFORMANCE LEVEL**

|                                   |              |
|-----------------------------------|--------------|
| (a) Resistance to convection cold | 0-4          |
| (b) Resistance to contact cold    | 0-4          |
| (c) Permeability to water         | 0-12 250 >15 |
|                                   | 3 350 >15    |
|                                   | 4 500 >15    |

**THERMAL HAZARDS: EN 407**



**PERFORMANCE LEVEL**

|                                    |     |
|------------------------------------|-----|
| (a) Burning behaviour              | 0-4 |
| (b) Contact heat                   | 0-4 |
| (c) Convective heat                | 0-4 |
| (d) Radiant heat                   | 0-4 |
| (e) Small splashes of molten metal | 0-4 |
| (f) Large splashes of molten metal | 0-4 |

**CONTACT HEAT**

A sample is taken from the palm area of a glove. The outside of the glove is put on a hot surface and the temperature of the inside of the glove is then monitored. The temperature on the inside of the glove must take 15 seconds or more to rise by 10°C from room temperature.

| EN 407<br>PERFORMANCE LEVEL | CONTACT<br>TEMP. °C | THRESHOLD TIME<br>SECONDS |
|-----------------------------|---------------------|---------------------------|
| 1                           | 100                 | >15                       |
| 2                           | 250                 | >15                       |
| 3                           | 350                 | >15                       |
| 4                           | 500                 | >15                       |

**MECHANICAL HAZARDS TEST: EN388**  
**IMPORTANT CHANGES** EXPLAINED ON THE NEXT PAGE >>

## CHANGES TO THE EUROPEAN STANDARDS

### CHANGES TO CE GLOVES STANDARD EN 388

During 2016 a new version of EN 388, Protection against Mechanical Hazards, was published. It allows products offering higher classifications of cut levels to be identified.

#### WHAT CHANGED

Any sample tested for cut resistance using the existing coup method, which can blunt the blade used in the test, will have to be additionally tested using the new ISO cut method.

There will be 6 cut levels defined on the ISO cut method. Levels A, B and C are new. Level D is of a different value to the level previously quoted as 4. Level E is the same value previously quoted as level 5. Level F is also new and is the highest cut resistance value

- **LEVEL A NEW**
- **LEVEL B NEW**
- **LEVEL C NEW**
- **LEVEL D**
- **LEVEL E**
- **LEVEL F NEW**
- **2 5 10 15 22 30**
- **BACK OF HAND PROTECTION**  
(impact protection testing) is now included
- **3** means the sample achieved level 3 for abrasion
- **4** means the sample achieved level 4 for coup cut
- **4** means the sample achieved level 4 for tear
- **3** means the sample achieved level 3 puncture
- **E** means the sample achieved level E for ISO cut which was tested due to blade blunting during the coup test
- **P** means the sample passes requirements for impact protection.

EN 388: 2016



## FURTHER CHANGES TO THE EN TEST STANDARDS

### WHAT THE CHANGES IN STANDARD MEANS TO YOU?

- This change only affects new products being certified once the Standard has been published.
- As with any new PPE standard, it does not apply retrospectively.
- Over the next few years, you will see more and more products carrying this Standard.
- **EN420:** General requirements for Protective Gloves – New Test Method being added (prEN 16778) for the determination of the presence of Dimethylformamide (DMF), a toxic ingredient of insecticide sometimes used in the leather tanning process.
- **EN374-1:** Mandatory Challenge Chemicals increased to 18 from 12 and Creation of 3 levels of Permeation Testing, i.e. Type A gloves (Must pass on 6 Challenge chemicals), Type B Gloves (3 Challenge Chemicals) and Type C Gloves (1 Challenge chemical).
- **EN374-2:** Claims for micro-organism resistance must now satisfy EN374-5. If virus protection is claimed, it must pass ISO 16604 (EN374-2 for bacteria and fungi).
- **EN374-3:** Permeation of pesticides now included and the Standard for this hazard will now fall under EN16523-1.
- **EN374-4:** Determination of Resistance to Degradation determined by measuring the permeation resistance before and after 60 mins. exposure to a chemical. Degradation results must be included in the User Information for those chemicals which correspond to the letters under the pictogram.

## **NINJA GLOVES - MADE TO AUSTRALIAN STANDARDS**

### **EN TO AUSTRALIAN AND NEW ZEALAND STANDARDS COMPARISON**

Ninja® gloves are made, tested and certified to Australian Standards. This means our manufacturing processes are audited to guarantee Ninja's® cutting edge, high quality production.

The Australian Standard AS/NZS 2161.3 refers to the existing mechanical hazards test EN388:2003. Recently, a new test, EN388:2016, that has started to be used internationally, better defines glove Cut and Puncture resistance features and aims to provide the user with more information for a safer choice. To help make that best choice, Ninja® will progressively test to both methodologies, thus providing an Australian Standard certified product, as well as informing the new test ratings as they become available.

#### **GENERAL PROTECTION EN420: 2003 AS/NZS 2161.2: 2005**

This standard applies to ALL safety gloves and requires, amongst other things, the packaging to include information about glove size, dexterity and design category.

#### **MECHANICAL EN388: 2003 AS/NZS 2161.3: 2005**

There are four digits displayed alongside this pictogram. Each number gives the performance level on a scale of 0 to 5 against four hazards in this order: abrasion, blade cut, tear resistance and puncture resistance.

#### **CHEMICAL AND MICRO-ORGANISM EN374: 2003 AS/NZS 2161.10: 2005**

The pictogram (on page 73) is accompanied by at least three digits each of which corresponds to a certain classified chemical. For example, 'A' is for methanol and 'B' is for acetone. For chemical risk gloves, performance levels are measured on a scale of 1 to 6 to indicate how quickly the hazardous chemical may come into contact with the skin through the glove, known as breakthrough time. Performance level 1, for example, means the liquid can permeate the glove in 10 minutes, and level 6, means the chemical will not come into contact with the skin for at least 480 minutes.



# YOUR GUIDE TO GLOVE TYPES

To make it easier to choose the appropriate protective glove for the required task(s), please use this guide below.

|   |   |  |                        |
|---|---|--|------------------------|
|    |    | <b>CUT RESISTANT DRY ENVIRONMENT GLOVES</b><br>Protects hands from sharp tools or objects in dry environments  | <b>PAGE</b><br>78-81   |
|    |    | <b>CUT RESISTANT WET AND OILY ENVIRONMENT GLOVES</b><br>Protects hands from sharp tools or objects in wet and oily environments  | <b>PAGE</b><br>82      |
|    |    | <b>GENERAL HANDLING DRY ENVIRONMENT GLOVES</b><br>Protects hands when performing general tasks in dry environments   | <b>PAGE</b><br>84-87   |
|    |    | <b>GENERAL HANDLING WET AND OILY ENVIRONMENT GLOVES</b><br>Protects hands when performing general tasks in wet and oily environments   | <b>PAGE</b><br>88-89   |
|  |  | <b>CHEMICAL RESISTANT GLOVES AND GAUNTLETS</b><br>Protection from harmful chemicals/substances   | <b>PAGE</b><br>110-113 |
|  |  |  <b>MECHANICS / ANTI-IMPACT AND VIBRATION RESISTANT GLOVES</b><br>Protects hands from impact damage and vibration | <b>PAGE</b><br>90-93   |
|  |  | <b>COLD RESISTANT GLOVES</b><br>Protects hands when handling cold objects  | <b>PAGE</b><br>94-95   |
|  |  | <b>HEAT RESISTANT AND WELDING GLOVES</b><br>Protection when handling hot objects   | <b>PAGE</b><br>96-99   |
|  |  | <b>GENERAL PURPOSE COTTON AND LEATHER GLOVES</b><br>Protects hands in general assembly environment   | <b>PAGE</b><br>100-107 |
|  |  | <b>SINGLE USE (DISPOSABLE) GLOVES</b><br>Protects against cross-contamination  | <b>PAGE</b><br>108-109 |
|  |  | <b>GLOVE HOLDER CLIP</b><br>All purpose grip device  | <b>PAGE</b><br>93      |

## OUR GLOVE BRANDS



Frontier has a comprehensive range of extremely reliable, fit for purpose, and cost effective hand protection lines. From traditional make leather and cotton models, to the latest application-specific synthetics; including general purpose, chemical and cut resistant styles. Made to the relevant International Standards, our products have been used and relied upon throughout Australia by a diverse number of industries, in various applications from sensitive to dangerous.



Australia's top mechanics glove brand provides safe and secure protection from hand injuries in handling applications that can cause impact and vibration injuries. Made from the highest quality materials, Contego gloves are built to protect and last. These tough gloves are certified and tested to rigorous international standards and are designed to assist you to do your best work.



Grippaz™ industrial grade disposable gloves have been developed to provide optimal performance in a range of working conditions. Holding patented technologies, Grippaz is strong, safe and versatile, whilst providing tremendous tactility and amazing grip.



One of the world's leading brands of high tech, innovative work safety gloves, Ninja's philosophy is a mix of passion, precision and perseverance. Art and science blend to deliver as much comfort as performance. Unique processes, coatings, finishes, materials and textiles combine to achieve best-in-class benchmark user experience. Made to Australian Standards, Ninja's comprehensive range of application specific gloves have the leading edge in comfort, dexterity, protection and grip. Ninja is exclusively distributed by Beaver Brands in Australia.

✔ The symbols appearing next to Ninja gloves indicate the coating technologies used unless otherwise stated



### **NFT™ - UNMATCHED COMFORT AND DURABILITY**

The New Foam Nitrile Technology is a unique proprietary technology offering the most technologically advanced, light weight, breathable, comfortable and durable gloves that feel like a second skin. Rigorously engineered to give outstanding grip, abrasion resistance and dexterity for precision handling in oily, greasy and dry environments. It is one of Ninja®'s next-generation technologies.



### **HPT™ - SUPERIOR GRIP AND DEXTERITY**

The Hydropellent Technology is a unique proprietary coating that repels liquid and provides excellent grip in wet, dry and oily conditions. The HPT™ offers secure handling gloves that are extremely light weight and dexterous with superior grip features for maximum control in wet environments.

Furthermore, this unique coating has "encapsulated air pockets" which absorb and mitigate the effects of light vibrations enhancing its grip performance.



### **RFT™ - EXTREME ENDURANCE AND GRIT**

Rufftec™ is a unique proprietary technology that offers excellent abrasion resistant characteristics that make these gloves outlast all other. Excellent grip in dry, oily and wet conditions.

## GLOVE SIZES

Poorly fitting gloves can cause injury due to the glove slipping and the user lacking dexterity if the glove are too loose. Use the guide below to assist with choosing the right sized glove.

### WHAT'S MY GLOVE SIZE?

Measure the circumference of your hand in inches or centimetres between thumb and knuckle, then locate your size in the chart.



| SIZE ALPHA | SIZE NUMERIC | HAND IN CENTIMETERS | HAND IN INCHES |
|------------|--------------|---------------------|----------------|
| XXS        | 5            | 12.7 - 15.2         | 5" - 6"        |
| XS         | 6            | 15.2 - 17.7         | 6" - 7"        |
| S          | 7            | 17.7 - 20.3         | 7" - 8"        |
| M          | 8            | 20.3 - 22.8         | 8" - 9"        |
| L          | 9            | 22.8 - 25.4         | 9" - 10"       |
| XL         | 10           | 25.4 - 27.9         | 10" - 11"      |
| 2XL        | 11           | 27.9 - 30.4         | 11" - 12"      |

# NINJA®



## CUT RESISTANT DRY ENVIRONMENT

### MAXIM C5 GLOVE

# NINJA®

#### FEATURES AND BENEFITS

- 15 gauge HPPE, glass, nylon/spandex plaited composite knitted liner
- High performance engineered liners made from high tensile yarns made in Ninja®'s own manufacturing facilities for outstanding cut resistant quality
- The most light weight liner and coating for maximum comfort and cut resistance
- Re-enforcement between thumb and forefinger greatly extends the life of the glove
- Approved to AS/NZS 2161.3:2005

#### APPLICATIONS

Automotive industry, goods handling, light fabrication, quality inspection, assembly and maintenance, mild abrasive surface handling, mining and construction.

| CODE            | SIZE     | PACK QTY MOQ | CARTON QTY |
|-----------------|----------|--------------|------------|
| NIMAXIMC5BL000S | Small    | 12           | 144 pairs  |
| NIMAXIMC5BL000M | Medium   | 12           | 144 pairs  |
| NIMAXIMC5BL000L | Large    | 12           | 144 pairs  |
| NIMAXIMC5BL00XL | X-Large  | 12           | 144 pairs  |
| NIMAXIMC5BL02XL | 2X-Large | 12           | 144 pairs  |



# CUT RESISTANT DRY ENVIRONMENT

## MAXIM C3 GLOVE

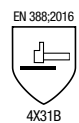


### FEATURES AND BENEFITS

- 18 gauge HPPE, glass, nylon/spandex plaited composite knitted liner
- Outstanding cut resistance, high performance engineered liners made from high tensile yarns made in Ninja®'s own manufacturing facilities, for outstanding cut resistant quality
- The most light weight liner and coating for maximum comfort and cut resistance
- Re-enforcement between thumb and forefinger greatly extends the life of the glove
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Automotive, quality inspection, goods handling, assembly and maintenance, light fabrication, handling mild abrasive surfaces.



| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIMAXIMC3GG000S | Small    | 12              | 144 pairs     |
| NIMAXIMC3GG000M | Medium   | 12              | 144 pairs     |
| NIMAXIMC3GG000L | Large    | 12              | 144 pairs     |
| NIMAXIMC3GG00XL | X-Large  | 12              | 144 pairs     |
| NIMAXIMC3GG02XL | 2X-Large | 12              | 144 pairs     |

## RAZR DIAMOND C5 GLOVE

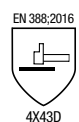


### FEATURES AND BENEFITS

- 15 gauge Dyneema® Diamond, nylon/spandex knitted liner
- Soft PU coating offering superb flexibility and comfort
- High cut performance 200% improvement in cut resistance performance when compared to gloves made with standard Dyneema® fibre
- The dramatically thin fibre of Dyneema® Diamond technology allows for increased cut resistance without the fibreglass discomfort. It allows for better feel and control and radiates heat away from hands for all-day comfort
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Steel industry, sheet metal fabrication, automotive industry, glass and paper handling, heavy metals handling, plastic, carpet and cardboard trimming and cutting.



| CODE           | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|----------|-----------------|---------------|
| NIDIAMNC5S000S | Small    | 12              | 144 pairs     |
| NIDIAMNC5S000M | Medium   | 12              | 144 pairs     |
| NIDIAMNC5S000L | Large    | 12              | 144 pairs     |
| NIDIAMNC5S00XL | X-Large  | 12              | 144 pairs     |
| NIDIAMNC5S02XL | 2X-Large | 12              | 144 pairs     |

## RAZR DIAMOND C3 GLOVE



### FEATURES AND BENEFITS

- 18 gauge Dyneema® Diamond, nylon/spandex knitted liner
- Soft PU coating offering superb flexibility and comfort
- High cut performance 200% improvement in cut resistance performance when compared to gloves made with standard Dyneema® fibre
- The dramatically thin fibre of Dyneema® Diamond technology allows for increased cut resistance without the fibreglass discomfort. It allows for better feel and control and radiates heat away from hands for all-day comfort
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Steel industry, sheet metal fabrication, automotive industry, glass and paper handling, heavy metals handling, plastic, carpet and cardboard trimming and cutting.



| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIDIAMNC3SB000S | Small    | 12              | 144 pairs     |
| NIDIAMNC3SB000M | Medium   | 12              | 144 pairs     |
| NIDIAMNC3SB000L | Large    | 12              | 144 pairs     |
| NIDIAMNC3SB00XL | X-Large  | 12              | 144 pairs     |
| NIDIAMNC3SB02XL | 2X-Large | 12              | 144 pairs     |



# CUT RESISTANT DRY ENVIRONMENT

## IGUANA PU5 GLOVE (FORMERLY COOLTEC)

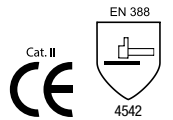
**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Cut level 5 protection
- Puncture level 2 protection
- Seamless 13 gauge shell for enhanced dexterity
- PU coat for wet, oily and dry enhanced grip
- Hi vis yellow for increased visibility

### APPLICATIONS

Injection moulding operations, automotive assembly, glass and ceramics handling, construction, mining.



| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRCLTPUC5FY000S | Small    | 12              | 120 pairs     |
| FRCLTPUC5FY000M | Medium   | 12              | 120 pairs     |
| FRCLTPUC5FY000L | Large    | 12              | 120 pairs     |
| FRCLTPUC5FY00XL | X-Large  | 12              | 120 pairs     |
| FRCLTPUC5FY02XL | 2X-Large | 12              | 120 pairs     |

## IGUANA C5 GLOVE (NITRILE DIP)

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

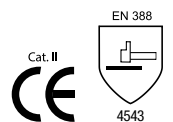
- Cut level 5 protection
- Puncture level 3 protection
- Seamless 13 gauge shell for enhanced dexterity
- Micro foam nitrile coat for superior wet and oily grip
- Air capillaries provide enhanced padding and vibration

### APPLICATIONS

Injection moulding operations, automotive assembly, glass and ceramics handling, construction, mining.



**NEW**



| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| FRIGUANC5BK000S-2XL | Black  | 12              | 120 pairs     |
| FRIGUANC5FL000S-2XL | Fluoro | 12              | 120 pairs     |

## RHINO HPPE PLUS LEATHER C5 GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

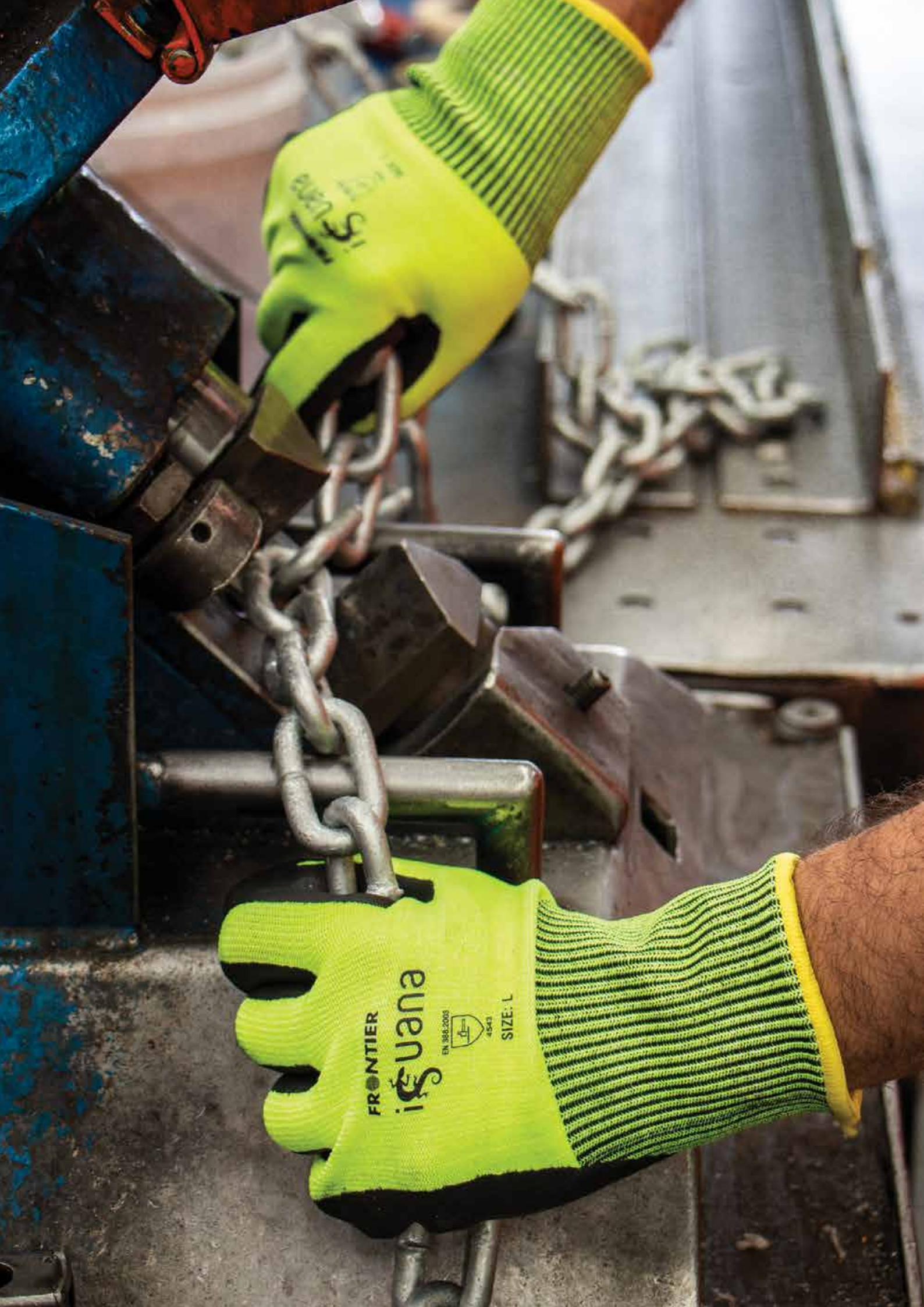
- Cut level 5 protection
- Leather palm on 10g seamless shell for extra resistance to cuts and punctures
- Heavy duty with high dexterity
- Resistance to contact heat rated to level 1
- Excellent abrasion resistance
- Effective wet grip
- EN388:4543
- EN407:X1XXX



**NEW**



| CODE          | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|----------|-----------------|---------------|
| FRRHINOGY000M | Medium   | 12              | 120           |
| FRRHINOGY000L | Large    | 12              | 120           |
| FRRHINOGY00XL | X-Large  | 12              | 120           |
| FRRHINOGY02XL | 2X-Large | 12              | 120           |



FRONTIER  
iguana

EN 388:2003



4541

SIZE: L



# CUT RESISTANT WET AND OILY ENVIRONMENT



## MAXIM C3 OIL GLOVE



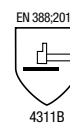
### FEATURES AND BENEFITS

- Excellent breathability and grip, soft textured NFT™ coating with the 'micro-capillaries' finish channels away excessive fluid from the surface keeping hands dry and cool from inside out, providing excellent grip in oily environments
- 18 gauge HPPE, glass, nylon/spandex plaited composite knitted liner
- The most light weight liner and coating for maximum comfort and cut resistance
- Re-enforcement between thumb and forefinger greatly extends the life of the glove
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Automotive - engine and transmission, handling and assembly of oily/greasy sharp objects, light metal processes, metalworking, mining and construction.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIMXOILC3BL000S | Small    | 12              | 144 pairs     |
| NIMXOILC3BL000M | Medium   | 12              | 144 pairs     |
| NIMXOILC3BL000L | Large    | 12              | 144 pairs     |
| NIMXOILC3BL00XL | X-Large  | 12              | 144 pairs     |
| NIMXOILC3BL02XL | 2X-Large | 12              | 144 pairs     |







# GENERAL HANDLING DRY ENVIRONMENT



## MAXIM TACTUS GLOVE



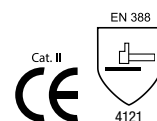
### FEATURES AND BENEFITS

- Ergonomic design allows minimum hand fatigue, increasing productivity and comfort
- 18 gauge nylon/spandex liner offers excellent flexibility and comfort
- Superior grip provides excellent grip even in oily conditions
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Automotive, quality inspection, goods handling, assembly and maintenance, light fabrication, handling mild abrasive surfaces.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NITACTNFTRR000S | Small    | 12              | 144 pairs     |
| NITACTNFTRR000M | Medium   | 12              | 144 pairs     |
| NITACTNFTRR000L | Large    | 12              | 144 pairs     |
| NITACTNFTRR00XL | X-Large  | 12              | 144 pairs     |
| NITACTNFTRR02XL | 2X-Large | 12              | 144 pairs     |



## MAXIM COOL GLOVE

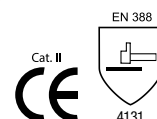
### FEATURES AND BENEFITS

- 15 gauge nylon/spandex knitted liner
- Excellent breathability, provides 360° breathability
- Excellent grip, soft textured NFT™ coating with the 'micro-capillaries' finish channels away excessive fluid from the surface keeping hands dry and cool from inside out, providing excellent grip in oily environments
- Its ergonomic design allows minimum hand fatigue, increasing productivity and comfort
- Abrasion resistance, the NFT™ coating is especially abrasion resistant making Ninja® Maxim Cool gloves long lasting and durable
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Automotive, quality inspection, maintenance, goods handling and transport, general assembly, light fabrication, handling mild abrasive surfaces.

| CODE                | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| NIMXCLNFTGY000S-2XL | Grey      | 12              | 144 pairs     |
| NIMXCLNFTFY000S-2XL | HV Yellow | 12              | 144 pairs     |



## MAXIM COOL HV DOTS

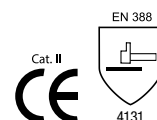
### FEATURES AND BENEFITS

- 15 gauge nylon and acrylic double knitted liner offers excellent flexibility and comfort
- Excellent breathability and grip, soft textured NFT™ coating with the 'micro-capillaries' finish channels away excessive fluid from the surface keeping hands dry and cool from inside out, providing excellent grip in oily environments
- Its ergonomic design allows minimum hand fatigue, increasing productivity and comfort
- Abrasion resistance, the NFT™ coating is especially abrasion resistant making Ninja® Maxim Cool gloves long lasting and durable
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Automotive, quality inspection, maintenance, goods handling and transport, general assembly, light fabrication, handling mild abrasive surfaces.

| CODE           | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|----------|-----------------|---------------|
| NIMAXCLD00000S | Small    | 12              | 144 pairs     |
| NIMAXCLD00000M | Medium   | 12              | 144 pairs     |
| NIMAXCLD00000L | Large    | 12              | 144 pairs     |
| NIMAXCLD0000XL | X-Large  | 12              | 144 pairs     |
| NIMAXCLD0002XL | 2X-Large | 12              | 144 pairs     |



# GENERAL HANDLING DRY ENVIRONMENT

## HPT GRIPX GLOVE



### FEATURES AND BENEFITS

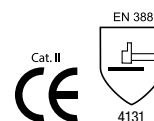
- 15 gauge nylon/spandex knitted liner
- Soft, durable and flexible micro-foam coating with a non-slip surface that repels liquid to provide the highest level of wet, oily and dry grip
- Encapsulated air pockets absorb and mitigate the effects of light vibrations before it reaches the hands
- Highly flexible coating and breathable nylon liner offers all-day comfort
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Shipping and receiving, plumbing, general purpose, food handling, warehousing, materials handling and assembly, food processing, gardening.



| CODE                | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| NIGRPXHPTBK00XS-2XL | Black     | 12              | 144 pairs     |
| NIGRPXHPTFY000S-2XL | HV Yellow | 12              | 144 pairs     |



## TAKT NITRILE FOAM GLOVE



### FEATURES AND BENEFITS

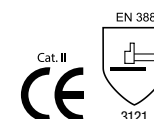
- 13 gauge seamless nylon shell for enhanced dexterity
- Micro foam nitrile coat for excellent wet and dry grip
- Coating provides vibration absorption for added comfort

### APPLICATIONS

Construction, light fabrication, hand and power tools, petrochemical industry, logistics, white goods, shipping, trades.



| CODE               | COLOUR     | PACK QTY<br>MOQ | CARTON<br>QTY |
|--------------------|------------|-----------------|---------------|
| FRFNITGLVGW0006-11 | Grey/White | 12              | 144           |



## TAKT MICRO FOAM GLOVE



### FEATURES AND BENEFITS

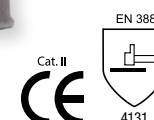
- 13 gauge seamless nylon shell for enhanced dexterity
- Micro foam nitrile coat for excellent wet and dry grip
- Coating provides vibration absorption for added comfort
- Dark colouring to hide dirt

### APPLICATIONS

Construction, light fabrication, hand and power tools, petrochemical industry, logistics, white goods, shipping, trades.



| CODE                 | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------------|--------|-----------------|---------------|
| FRMICRFMNBK6000S-2XL | Black  | 12              | 144           |
| FRMICRFMNGY6000S-2XL | Grey   | 12              | 144           |





## GENERAL HANDLING DRY ENVIRONMENT



### TAKT NYLON PU GLOVE

**FRONTIER**  
PERSONAL PROTECTION

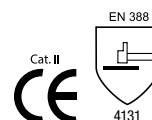
#### FEATURES AND BENEFITS

- 13 gauge seamless nylon shell for enhanced dexterity
- PU coat for excellent wet and dry grip
- Coating provides vibration absorption for added comfort
- Dark colouring to hide dirt

#### APPLICATIONS

Construction, light fabrication, hand and power tools, petrochemical industry, logistics, white goods, shipping, trades.

| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| FRNYLONPUBK000S-2XL | Black  | 12              | 144           |



**NINJA**

### CLASSIC MULTI LITE GLOVE

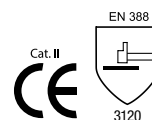
#### FEATURES AND BENEFITS

- 18 gauge nylon/spandex knitted liner
- Lite feather-light polyurethane coated palm and fingertips
- Skin tight athletic grade nylon shell
- This combination of feather-light PU coating and athletic grade shell provides a second skin sensitivity with high abrasion resistance
- Approved to AS/NZS 2161.3:2005

#### APPLICATIONS

Appliance manufacturing and intricate assembly, automobile light parts handling, optics, photography/printing, pick/packing.

| CODE                | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| NIMLTLITEBL000S-2XL | Blue      | 12              | 144 pairs     |
| NIMLTLITEFY000M-2XL | HV Yellow | 12              | 144 pairs     |



**NINJA**

### RUFFTEC ENDURE GLOVE

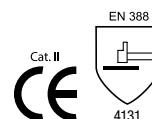
#### FEATURES AND BENEFITS

- 15 gauge nylon/spandex knitted liner
- Coating with a special finish make these gloves the most durable in the industry
- Outstanding abrasion resistance offers prolonged wear
- Approved to AS/NZS 2161.3:2005

#### APPLICATIONS

Automotive assembly, sheet metal handling, construction, glass industry.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIENDUREGFY000S | Small    | 12              | 144 pairs     |
| NIENDUREGFY000M | Medium   | 12              | 144 pairs     |
| NIENDUREGFY000L | Large    | 12              | 144 pairs     |
| NIENDUREGFY00XL | X-Large  | 12              | 144 pairs     |
| NIENDUREGFY02XL | 2X-Large | 12              | 144 pairs     |



# GENERAL HANDLING DRY ENVIRONMENT

## CLASSIC MULTI FLEX GLOVE



### FEATURES AND BENEFITS

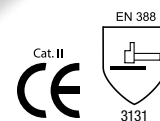
- 15 gauge nylon/spandex knitted liner
- Foam nitrile coating helps reduce hand fatigue while providing maximum comfort and dexterity
- Good resistance from nicks and abrasion
- Foam nitrile coating channels away oil from the surface of the gloves, providing a sure grip in light oil applications
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Assembly operations, gardening, woodworking, shipping and receiving.



SHOWN WITH GRIP TAB CLOSURE



| CODE                | COLOUR                      | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------------------------|-----------------|---------------|
| NIMLTFLEXRR000S-2XL | Red                         | 12              | 144 pairs     |
| NIMLTFLEXVRR000S-XL | Red c/w grip<br>tab closure | 12              | 144 pairs     |

## SPLENDOR LATEX COATED GLOVE

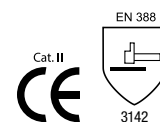


### FEATURES AND BENEFITS

- Seamless polyester cotton liner
- Roughened latex coating for excellent wet and dry grip
- Ergonomic design, snug fitting
- Excellent abrasion and puncture resistance
- Washable at 42°C

### APPLICATIONS

General construction, handling glass and sheet metal, general assembly, recycling industry, warehousing, brickwork, agriculture, gardening.



| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| NISPLENDRGB000S  | Small    | 12              | 144 pairs     |
| NISPLENDRGB000M  | Medium   | 12              | 144 pairs     |
| NISPLENDRGB000L  | Large    | 12              | 144 pairs     |
| NISPLENDRGB000XL | X-Large  | 12              | 144 pairs     |
| NISPLENDRGB02XL  | 2X-Large | 12              | 144 pairs     |

## CLASSIC MULTI FOAM GLOVE

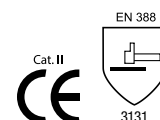


### FEATURES AND BENEFITS

- 15 gauge nylon knitted liner
- Foam nitrile coating helps reduce hand fatigue while providing maximum comfort and dexterity
- Good resistance from nicks and abrasion
- Foam nitrile coating channels away oil from the surface of the gloves, providing a sure grip in light oil applications
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Oily parts handling, automotive and aircraft manufacturing, precision assembly operations.



| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| NIMULTIFMGY000S-2XL | Grey   | 12              | 144 pairs     |



# GENERAL HANDLING WET AND OILY ENVIRONMENT



## HPT GRIPX 3/4 GLOVE

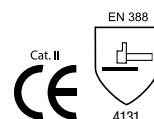
### FEATURES AND BENEFITS

- 15 gauge nylon/spandex knitted liner
- Soft, durable and flexible micro-foam coating with a non-slip surface that repels liquid to provide the highest level of wet, oily and dry grip
- Encapsulated air pockets absorb and mitigate the effects of light vibrations before it reaches the hands
- Highly flexible coating and breathable nylon liner offers all-day comfort
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Construction, light fabrication, hand and power tools, petrochemical industry, white goods, shipping trades.

| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| NIHPTFM3400000S  | Small    | 12              | 144 pairs     |
| NIHPTFM3400000M  | Medium   | 12              | 144 pairs     |
| NIHPTFM3400000L  | Large    | 12              | 144 pairs     |
| NIHPTFM3400000XL | X-Large  | 12              | 144 pairs     |
| NIHPTFM340002XL  | 2X-Large | 12              | 144 pairs     |



## MULTI-TECH DRYGUARD GLOVE

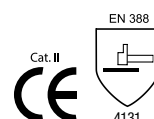
### FEATURES AND BENEFITS

- 15 gauge nylon/spandex knitted liner
- Extra grip in oily and wet conditions
- Excellent oil and water repellent properties
- Reinforced knit cuff, resists stretching and provides effectiveness
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Mechanical and automotive, machine assembly, inspection, construction, refineries, landscaping.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIDRYGARDB3000S | Small    | 12              | 144 pairs     |
| NIDRYGARDB3000M | Medium   | 12              | 144 pairs     |
| NIDRYGARDB3000L | Large    | 12              | 144 pairs     |
| NIDRYGARDB300XL | X-Large  | 12              | 144 pairs     |
| NIDRYGARDB302XL | 2X-Large | 12              | 144 pairs     |



## MAXIM DRY GLOVE

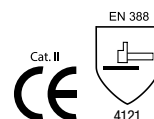
### FEATURES AND BENEFITS

- 18 gauge nylon/spandex knitted liner
- This glove is highly abrasion resistant giving it unmatched durability
- Its ergonomic design allows minimum hand fatigue, increasing productivity and comfort
- NFT™ coating
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Damp and oily parts handling, mechanical maintenance handling, light metal fabrication and parts handling, automotive industry, packaging and finishing, mining and construction.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIMAXMDRYPG000S | Small    | 12              | 144 pairs     |
| NIMAXMDRYPG000M | Medium   | 12              | 144 pairs     |
| NIMAXMDRYPG000L | Large    | 12              | 144 pairs     |
| NIMAXMDRYPG00XL | X-Large  | 12              | 144 pairs     |
| NIMAXMDRYPG02XL | 2X-Large | 12              | 144 pairs     |



# GENERAL HANDLING WET AND OILY ENVIRONMENT



## MAXIM DRY+ GLOVE

### FEATURES AND BENEFITS

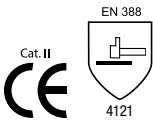
- 18 gauge nylon/spandex knitted liner
- Micro finish on palm area provides excellent grip
- Non slippery coating without compromising flexibility
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Damp and oily parts handling, mechanical maintenance handling, light metal fabrication and parts handling, automotive industry, packaging and finishing, mining and construction.



| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIMAXDRYPP3000S | Small    | 12              | 144 pairs     |
| NIMAXDRYPP3000M | Medium   | 12              | 144 pairs     |
| NIMAXDRYPP3000L | Large    | 12              | 144 pairs     |
| NIMAXDRYPP300XL | X-Large  | 12              | 144 pairs     |
| NIMAXDRYPP302XL | 2X-Large | 12              | 144 pairs     |



## GLAZR GLASS GRIPPER GLOVE



### FEATURES AND BENEFITS

- 100% cotton jersey lining for comfort
- Natural latex coat for enhanced grip
- 100% cotton knit wrist
- Knuckle coated open back
- Washable at 42°C for extended use
- Economy option

### APPLICATIONS

Glass handling and bottling, light fabrication, general maintenance, shipping and receiving, brick handling, waste management.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRGLSGRPRYY00XL | One Size Fits All | 12              | 144           |



## MECHANICS / ANTI-IMPACT AND VIBRATION RESISTANT

## ISA MECHANICS GLOVE (FORMERLY THE ORIGINAL)



## FEATURES AND BENEFITS

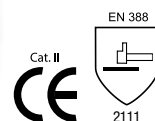
- 0.8 mm premium breathable synthetic leather palm
- Neoprene padded palm for vibration reduction and comfort
- Perforated forchettes for increased coolness and air flow
- Four way stretch spandex for full movement
- Grip tab closure for increased comfort and improved fit

## APPLICATIONS

Automotive, shipping, power tools, construction, carpentry, mining, gardening and landscaping.

IMPROVED  
FEATURES

| CODE                | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| COISAMECHBB000S-2XL | Black     | 12              | 72            |
| COISAMECHYB000S-2XL | HV Yellow | 12              | 72            |



## ISA MECHANICS FINGERLESS GLOVE



## FEATURES AND BENEFITS

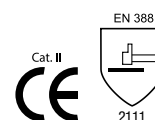
- 0.8 mm premium breathable synthetic leather palm
- Neoprene padded palm for vibration reduction and comfort
- Perforated forchettes for increased coolness and air flow
- Four way stretch spandex for full movement
- Grip tab closure for increased comfort and improved fit
- Fingerless for ultimate dexterity

## APPLICATIONS

Automotive, shipping, power tools, construction, carpentry, mining, gardening and landscaping.

IMPROVED  
FEATURES

| CODE              | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-------------------|----------|-----------------|---------------|
| COISAMHLFLBB000S  | Small    | 12              | 72            |
| COISAMHLFLBB000M  | Medium   | 12              | 72            |
| COISAMHLFLBB000L  | Large    | 12              | 72            |
| COISAMHLFLBB000XL | X-Large  | 12              | 72            |
| COISAMHLFLBB02XL  | 2X-Large | 12              | 72            |



## SYNTH RIGGER GLOVE



## FEATURES AND BENEFITS

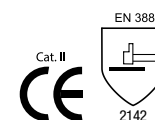
- 0.8 mm premium breathable synthetic leather palm
- Four way stretch spandex for full movement
- Economical priced alternative to leather gloves
- Machine washable
- Black neoprene knuckle bar

## APPLICATIONS

Automotive, shipping, power tools, construction, carpentry.



| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| CORIGMECHBB000S  | Small    | 12              | 72            |
| CORIGMECHBB000M  | Medium   | 12              | 72            |
| CORIGMECHBB000L  | Large    | 12              | 72            |
| CORIGMECHBB000XL | X-Large  | 12              | 72            |
| CORIGMECHBB02XL  | 2X-Large | 12              | 72            |



## VERSADEX GLOVE



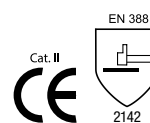
### FEATURES AND BENEFITS

- Slim cut design for even light duty, sensitive work
- PU impregnated material on palm offers great tactility
- Thumb crotch for extreme durability
- Palm and knuckle padding for comfort, impact protection and anti vibration
- Stretch spandex with fourchettes for great fit and breathability
- Double elastic shirring for secure fit
- Slip on/off cuff design
- Reinforced pull tab for easy donning



NEW

| CODE           | COLOUR        | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|---------------|-----------------|---------------|
| COVDXMEKGY     | Grey          | 12              | 72            |
| COVDXMEKBK     | Black         | 12              | 72            |
| COVDXPK300S-XL | Grey/Blue/Red | 4               | 24            |



## GOLDEN EAGLE - LUXURY RIGGER GLOVE



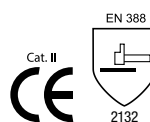
### FEATURES AND BENEFITS

- Curved fingers with perforated fourchettes for a snug fit and air circulation
- Black neoprene knu protection
- Grip closure for improved fit and comfort
- High abrasion resistance
- Wing thumb allows better open hand pulling

### APPLICATIONS

Construction, timber handling, steel handling, cables and coupling, timber and rope handling, gardening and landscaping.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| COGLDEAGLYB000S | Small    | 6               | 72            |
| COGLDEAGLYB000M | Medium   | 6               | 72            |
| COGLDEAGLYB000L | Large    | 6               | 72            |
| COGLDEAGLYB00XL | X-Large  | 6               | 72            |
| COGLDEAGLYB02XL | 2X-Large | 6               | 72            |



## WINTER LUX GLOVE

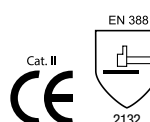


### FEATURES AND BENEFITS

- Curved fingers with perforated fourchettes for a snug fit and air circulation
- Black neoprene knuckle bar protection
- Grip tab closure for improved fit and comfort
- High abrasion resistance
- Wing thumb allow better open hand pulling
- 3M™ Thinsulate™ lining for warmth

### APPLICATIONS

Cold storage, freezer rooms, cold climates, cables and coupling, timber and rope handling, gardening and landscaping.



| CODE                | SIZE      | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| COGLDEGLWYB000S-2XL | Small-2XL | 6               | 72            |



## MECHANICS / ANTI-IMPACT AND VIBRATION RESISTANT

## ROXBY IMPACT PLUS GLOVE



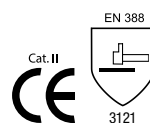
## FEATURES AND BENEFITS

- Synthetic leather palm provides optimal dexterity and grip
- Great impact protection - 5mm thick TPR on the fingertips
- Super impact protection - 8mm thick TPR on knuckle and back of hand
- Neoprene cuff - snug fit, easy to remove
- Stretch Spandex material provides breathability and a comfortable fit
- Thumb crotch reinforcement provides extreme durability
- Ultra grip palm for better grip and durability
- ID badge and pull tab provides security and easy donning

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| COROXYIPRR000M  | Medium   | 6               | 72            |
| COROXYIPRR000L  | Large    | 6               | 72            |
| COROXYIPRR000XL | X-Large  | 6               | 72            |
| COROXYIPRR02XL  | 2X-Large | 6               | 72            |



NEW



## BLACKWATER CUT 5 IMPACT GLOVE



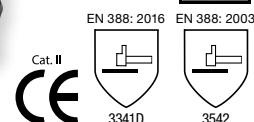
## FEATURES AND BENEFITS

- Stretch Spandex shell with fourchettes provides breathability, easy movement and a comfortable fit
- TPR impact finger / knuckle strap + back guard provides extra protection
- Neoprene wrist with impact resistance for extra protection
- Thumb crotch reinforcement provides extreme durability
- Synthetic leather palm with CUT 5 palm resistance according to EN388:2003
- CUT Level D according to EN388: 2016
- Reinforced textured palm pads and fingertips for better grip and durability
- Adjustable closure for a perfect fit

| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| COBLKMECHFL000M  | Medium   | 6               | 72            |
| COBLKMECHFL000L  | Large    | 6               | 72            |
| COBLKMECHFL000XL | X-Large  | 6               | 72            |
| COBLKMECHFL02XL  | 2X-Large | 6               | 72            |



NEW



## JABIRU 360° CUT 5 IMPACT GLOVE



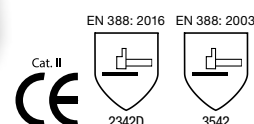
## FEATURES AND BENEFITS

- Reflective material for high visibility conditions
- Impact finger / knuckle strap / back guard provide extra protection
- Stretch Spandex material provides breathability and a comfortable fit
- Neoprene cuff - snug fit, easy to remove
- EN388 CUT 5 level back liner provides 100% cut resistance coverage
- Synthetic leather palm with Cut level 5 palm liner provides cut resistance
- Reinforced textured palm pads and fingertips for better grip / durability
- ID badge and pull tab provides security and easy donning

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| COJABMCHBG000M  | Medium   | 6               | 72            |
| COJABMCHBG000L  | Large    | 6               | 72            |
| COJABMCHBG000XL | X-Large  | 6               | 72            |
| COJABMCHBG02XL  | 2X-Large | 6               | 72            |



NEW



## CHILLAGOE WINTERLINE IMPACT GLOVE



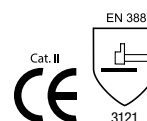
### FEATURES AND BENEFITS

- Synthetic leather palm with ultra grip palm for better grip and durability
- Impact finger / knuckle strap / back guard provide extra protection
- Water repellent fabric back and outside thumb
- Neoprene cuff - snug fit, easy to remove
- Water barrier insert keep hands dry
- Extra thumb reinforcement provides more protection
- 3M Thinsulate C100 with fleece insulation keeps you warm
- ID badge and pull tab provides security and easy donning

| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| COCHLMECHBB000M  | Medium   | 6               | 72            |
| COCHLMECHBB000L  | Large    | 6               | 7             |
| COCHLMECHBB000XL | X-Large  | 6               | 72            |
| COCHLMECHBB02XL  | 2X-Large | 6               | 72            |



NEW



## ANTI-VIBRATION GLOVE



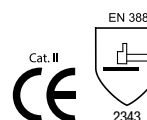
### FEATURES AND BENEFITS

- 'A' grade premium cowhide leather
- Cut level 3 protection
- Neoprene cuff with grip tab closure for comfort and protection
- 2.75mm full gel padded palm and fingers for vibration absorption and comfort

### APPLICATIONS

Automotive, shipping, power tools, construction, carpentry.

| CODE             | SIZE    | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|---------|-----------------|---------------|
| COANTIVIBBW000M  | Medium  | 6               | 72            |
| COANTIVIBBW000L  | Large   | 6               | 72            |
| COANTIVIBBW000XL | X-Large | 6               | 72            |



## GLOVE CLIP



### FEATURES AND BENEFITS

- Multi-purpose grip device
- Holds up to 5kgs
- Strong tension for heavier articles
- Unique centre safety break device in case object is caught in machinery
- Non-conductor of electricity

### APPLICATIONS

Torches, garden and work gloves, earmuffs, goggles, hard hats, golf gloves, key rings.

| CODE             | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|-----------|-----------------|---------------|
| FRGLVGRIPIBK0000 | Black     | 20              | 500           |
| FRGLVGRIPIFY0000 | HV Orange | 20              | 500           |
| FRGLVGRIPIFL0000 | HV Yellow | 20              | 500           |





## COLD RESISTANT

### COLD FIGHTER C5

**FRONTIER**  
PERSONAL PROTECTION

#### FEATURES AND BENEFITS

- Dyneema Cut level 5 protection
- Contact Cold level 2 protection
- 3/4 dip HPT foam coating for assured water and oil repellent grip
- HPT foam coating ensures a soft, spongy grip with anti-vibration properties and flexibility to function in low temperatures
- Terry lining providing warmth and comfort for temperatures down to -50°C
- Sanitised with Actifresh® to kill bacteria and promote freshness

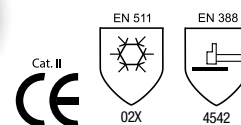
#### APPLICATIONS

Freezer rooms, cold climate work, power tool use, commercial fishing, construction, Councils.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRCOLD5B5J000M  | Medium   | 6               | 72 pairs      |
| FRCOLD5B5J000L  | Large    | 6               | 72 pairs      |
| FRCOLD5B5J000XL | X-Large  | 6               | 72 pairs      |
| FRCOLD5B5J02XL  | 2X-Large | 6               | 72 pairs      |



sanitized



**NINJA**

### HPT ICE GLOVE

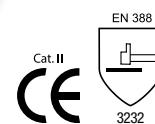
#### FEATURES AND BENEFITS

- Nylon and acrylic double knitted liner
- Coated palm and fingertips that remain soft and flexible in temperatures as low as -50°C
- Keeps hands comfortable and flexible in cold applications
- Offers outstanding dexterity and grip in cold and wet applications through its non-slip surface
- Approved to AS/NZS 2161.3:2005

#### APPLICATIONS

Materials handling and assembly, warehousing, food processing, frozen food handling, shipping and receiving, plumbing, cold storage, general purpose.

| CODE                | COLOUR    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|-----------|-----------------|---------------|
| NIICEFRZRBK000S-2XL | Black     | 6               | 72 pairs      |
| NIICEFRZRFY000M-2XL | HV Yellow | 6               | 72 pairs      |



**NINJA**

### MAXIM GLACIER GLOVE

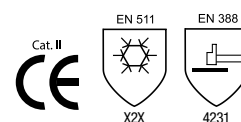
#### FEATURES AND BENEFITS

- Nylon and acrylic double knitted liner
- Micro-finish on palm area provides excellent grip
- Non-slippery coating without compromising flexibility
- Absorbs perspiration to provide greater comfort and breathability
- Two layer insulated liner for ultimate warmth
- Ergonomic design that replicates the natural curvature of a human hand and so reduces hand fatigue
- Approved to AS/NZS 2161.3:2005

#### APPLICATIONS

Cold storage, agriculture, outdoor work in cool temperatures, commercial fishing, construction and utilities.

| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| NIGLACIER00000S  | Small    | 6               | 72 pairs      |
| NIGLACIER00000M  | Medium   | 6               | 72 pairs      |
| NIGLACIER00000L  | Large    | 6               | 72 pairs      |
| NIGLACIER00000XL | X-Large  | 6               | 72 pairs      |
| NIGLACIER0002XL  | 2X-Large | 6               | 72 pairs      |



# COLD RESISTANT

## MULTI-TECH THERM365 GLOVE



### FEATURES AND BENEFITS

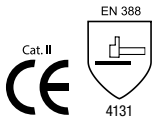
- 15 gauge nylon/spandex knitted liner
- Excellent form and fit for maximum comfort
- Great all year round, especially in cooler temperatures i.e. autumn and winter
- Superior grip and dexterity
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Mechanical and automotive, machine assembly, inspection, construction, refineries, landscaping.



| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NITHRM365BY000S | Small    | 12              | 144 pairs     |
| NITHRM365BY000M | Medium   | 12              | 144 pairs     |
| NITHRM365BY000L | Large    | 12              | 144 pairs     |
| NITHRM365BY00XL | X-Large  | 12              | 144 pairs     |
| NITHRM365BY02XL | 2X-Large | 12              | 144 pairs     |



HAND PROTECTION





# HEAT RESISTANT AND WELDING

## SAFEGUARD KEVLAR® GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Cut level 5 protection
- Puncture level 4 protection
- Seamless 10 gauge shell for heavy duty protection and glass fibre blend shell
- Crinkle cut latex coat for assured grip and flexibility
- Excellent abrasion resistance for longevity

### APPLICATIONS

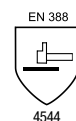
Glass handling, automotive work, metal fabrication, recycling plants, Council works, construction, mining.



| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRSAFEGRDYB000M | Medium   | 12              | 120 pairs     |
| FRSAFEGRDYB000L | Large    | 12              | 120 pairs     |
| FRSAFEGRDYB00XL | X-Large  | 12              | 120 pairs     |
| FRSAFEGRDYB02XL | 2X-Large | 12              | 120 pairs     |

**Kevlar®**

Cat. II  
**CE**



## BLACK AND GOLD WELDER GAUNTLET

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 40cm black cowsplit
- Gold half welts
- Self hemmed
- Full jersey sock lining
- Resistance to burning rated to level 4
- Resistance to contact heat rated to level 1
- Resistance to convective heat rated to level 4
- Resistance to small drips of molten metal rated to level 4
- Kevlar® stitched

### APPLICATIONS

Welding, foundries, smelters, mining, construction.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRWELDRBGB80000 | One size fits all | 12              | 60 pairs      |



## WELDER GAUNTLET GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Gold half welts
- Self hemmed
- Full jersey sock lining
- Kevlar® stitched

### APPLICATIONS

Welding, foundries, smelters, mining, construction.



### AVAILABLE COLOURS



| CODE            | SIZE              | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|--------|-----------------|---------------|
| FRWELDGLVBL0000 | One size fits all | Blue   | 12              | 60 pairs      |
| FRWELDGLVRR0000 | One size fits all | Red    | 12              | 60 pairs      |



# HEAT RESISTANT AND WELDING

## BLUE WELDER GAUNTLET GLOVE C/W REINFORCED PALM

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 40cm blue cowsplit
- Gold half welts
- Self hemmed
- Full jersey sock lining
- Reinforced palm, fingers and thumb for high wear areas
- Kevlar® stitched

### APPLICATIONS

Welding, foundries, smelters, mining, construction.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRWELDGRPBL0000 | One size fits all | 12              | 60 pairs      |



## LEFTIE WELDER GAUNTLET GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 40cm green cowsplit
- Red half welts
- Self hemmed
- Full jersey sock lining
- Left hand only x 2
- Resistance to burning rated to level 4
- Resistance to contact heat rated to level 1
- Resistance to convective heat rated to level 4
- Resistance to small drips of molten metal rated to level 4
- Kevlar® stitched

### APPLICATIONS

Welding, foundries, smelters, mining, construction.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRWLDLEFTGG0000 | One size fits all | 12              | 60 pairs      |



## ULTIMATE WELDER GAUNTLET GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 36cm cowsplit leather
- Kevlar® thread to resist burning
- Tilted wing thumb allows better open hand pulling and grabbing
- No-gap full welts
- Double in-sewn elastic
- Yellow flame resistant jersey lining
- 4mm foam socked lining
- Black flame resistant drill cuff lining
- Double in-sewn elastic

### APPLICATIONS

Welding, foundries, smelters, mining, construction.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRWLDULTIRR0000 | One size fits all | 12              | 60 pairs      |





# HEAT RESISTANT AND WELDING

## POWER TOUCH TIG GAUNTLET GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

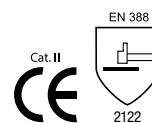
- Super fine goat's skin
- Inseam clute back
- Natural split leather cuff

### APPLICATIONS

Welding, foundries, smelters, mining, construction.



| CODE            | SIZE  | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------|-----------------|---------------|
| FRTIGWELDG7000L | Large | 12              | 120 pairs     |



## LEATHER GAUNTLET FOUNDRY CHIEF EXT CUFF GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

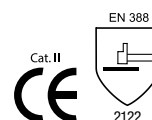
- 1.4mm select shoulder split
- Finger tip and palm patch in high wear high heat area
- Full jersey sock lining for comfort and protection
- 45mm extended cuff for forearm protection
- Resistance to burning rated to level 4
- Kevlar® stitched

### APPLICATIONS

Welding, foundries, smelters, mining, construction.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRFNDRCHFGY0000 | One size fits all | TBA             | TBA           |



## SMELTER KING GAUNTLET GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Cut level 3 protection
- Contact heat rated to level 3
- Convective heat rated to level 4
- Spark resistant terry cord material
- Gauntlet design for forearm protection

### APPLICATIONS

Pot rooms (aluminium), foundries, molten splash metal, high heat areas, Oven work.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRSMELTRKGY000L | One size fits all | 12              | 72 pairs      |



TERRICORD GAUNTLET GLOVE

FEATURES AND BENEFITS

- Cut level 3 protection
- 100% 26oz cotton terrycord
- Reversible for increased life
- Canvas cuff
- Good heat resistance
- Available in 10cm cuff (L)
- Available in 15cm cuff (L)
- Available in 15cm cuff (XL)

APPLICATIONS

Refining, metal finishing, automotive, foundries and mining, materials handling, over work and bakeries, food processing.

| CODE            | CUFF | SIZE    | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|------|---------|-----------------|---------------|
| FRTERRYCDWW010L | 10cm | Large   | 12              | 120 pairs     |
| FRTERRYCDWW015L | 15cm | Large   | 12              | 120 pairs     |
| FRTERRYCDWW15XL | 15cm | X-Large | 12              | 120 pairs     |





# GENERAL PURPOSE COTTON AND LEATHER

## STANDARD COWGRAIN RIGGER GLOVE

**FRONTIER**  
PERSONAL PROTECTION

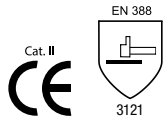
### FEATURES AND BENEFITS

- B grade grey/white cow grain
- Wing thumb allows better open hand pulling and grabbing
- Elasticised wrist
- 250mm length

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.

| CODE           | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|----------|-----------------|---------------|
| FRRIGGSTDW000S | Small    | 12              | 120 pairs     |
| FRRIGGSTDW000M | Medium   | 12              | 120 pairs     |
| FRRIGGSTDW000L | Large    | 12              | 120 pairs     |
| FRRIGGSTDW00XL | X-Large  | 12              | 120 pairs     |
| FRRIGGSTDW02XL | 2X-Large | 12              | 120 pairs     |



## LEATHER SUEDE SWAGGY RIGGER GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Cow split back/cow grain palm
- Wing thumb allows better open hand pulling and grabbing
- Elasticised wrist
- 250mm length

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRRIGSWAGBR000S | Small    | 12              | 120 pairs     |
| FRRIGSWAGBR000M | Medium   | 12              | 120 pairs     |
| FRRIGSWAGBR000L | Large    | 12              | 120 pairs     |
| FRRIGSWAGBR00XL | X-Large  | 12              | 120 pairs     |
| FRRIGSWAGBR02XL | 2X-Large | 12              | 120 pairs     |



## PREMIUM COWHIDE RIGGER GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- A/B grade beige cow grain
- Wing thumb allows better open hand pulling and grabbing
- Elasticised wrist
- 250mm length

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRRIGPREMBE000S | Small    | 12              | 120 pairs     |
| FRRIGPREMBE000M | Medium   | 12              | 120 pairs     |
| FRRIGPREMBE000L | Large    | 12              | 120 pairs     |
| FRRIGPREMBE00XL | X-Large  | 12              | 120 pairs     |
| FRRIGPREMBE02XL | 2X-Large | 12              | 120 pairs     |



# GENERAL PURPOSE COTTON AND LEATHER

## PREMIUM COWHIDE PIT BULL GLOVE



### FEATURES AND BENEFITS

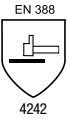
- Premium shoulder split leather
- Cut level 2 protection
- Knuckle bar protection
- Kevlar® stitching for durability and resistance to burning
- Jersey lined for comfort and fit
- Rubberised safety cuff

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRPITBULLGY00XL | One size fits all | 12              | 120 pairs     |



HAND PROTECTION





# GENERAL PURPOSE COTTON AND LEATHER

## POLISHER DOUBLE PALM GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Cow split chrome leather
- Cut level 2 protection
- Double layer palm and forefinger for extended wear
- Knuckle bar protection
- Jersey lined for comfort and fit
- Rubberised safety cuff

### APPLICATIONS

General purpose, construction, mining, maintenance, landscaping.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRPLSHGLVGG000L | One size fits all | 12              | 120 pairs     |

## ROUSTABOUT GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Premium shoulder split leather
- Knuckle bar protection
- Jersey lined for comfort and fit
- Rubberised safety cuff

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRROUSTABGY000L | One size fits all | 12              | 120 pairs     |

## RANCHER GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Shoulder split leather
- Knuckle bar protection
- Jersey lined for comfort and fit
- Rubberised safety cuff

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.



| CODE          | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|-------------------|-----------------|---------------|
| FRDRLTHRY0000 | One size fits all | 12              | 120 pairs     |

# GENERAL PURPOSE COTTON AND LEATHER

## UNREINFORCED PIGSKIN GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Pigskin split leather
- Breathable cotton drill back
- Elastic strap on back for fit
- Economical version

### APPLICATIONS

General purpose, construction, mining, maintenance, landscaping.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRECOSPLTBE000L | One size fits all | 12              | 120 pairs     |

## CANDY STRIPE LEATHER PALM GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Cow split chrome leather
- Knuckle bar protection
- Cotton back
- Economical version

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRCANDYGL00000L | One size fits all | 12              | 120 pairs     |

## CANDY ECONOMY PATCH PALM GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Cow split chrome leather
- Patch palm
- Knuckle bar protection
- Cotton back
- Economical version

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRCANDECO00000L | One size fits all | 12              | 120 pairs     |



# GENERAL PURPOSE COTTON AND LEATHER

## ALL CHROME GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Full chrome leather glove
- Unlined
- Economical version
- Wing thumb allows better open

### APPLICATIONS

General purpose, construction, mining, rigging, landscaping.



| CODE            | SIZE  | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------|-----------------|---------------|
| FRALLCHRMGY000L | Large | 12              | 120 pairs     |

## 3/4 NITRILE DIPPED MEDIUM WEIGHT GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Medium weight 3/4 nitrile coating
- Excellent abrasion resistance for long wear
- Good resistance to oils, greases and chemicals
- Knitted wrist to exclude debris
- Sanitised with Actifresh® to kill bacteria and promote freshness

### APPLICATIONS

Assembly, chemical handling, mining, waste management, foundry, general purpose.



| CODE            | SIZE | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|------|-----------------|---------------|
| FRNITDP34BL0007 | 7    | 12              | 144 pairs     |
| FRNITDP34BL0009 | 9    | 12              | 144 pairs     |
| FRNITDP34BL0010 | 10   | 12              | 144 pairs     |



## 3/4 NITRILE DIPPED LIGHT WEIGHT GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

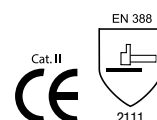
- Light weight 3/4 full nitrile coating
- Good abrasion resistance
- Open cotton back for breathability
- Excellent dexterity

### APPLICATIONS

Light fabrication, bottling, general maintenance, shipping and receiving, brick handling, waste management.



| CODE             | SIZE | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|------|-----------------|---------------|
| FRNITRDIPPYY0009 | L    | 12              | 144 pairs     |
| FRNITRDIPPYY0010 | XL   | 12              | 144 pairs     |



# GENERAL PURPOSE COTTON AND LEATHER

## LATTICE GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Lattice nylon knitted glove
- Lattice style PVC webbing for enhanced grip
- Ambidextrous for extended wear

### APPLICATIONS

General maintenance, shipping and receiving, brick handling, waste management.



| CODE            | SIZE   | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRLATTICEBR000S | Small  | 12              | 144           |
| FRLATTICEBR000M | Medium | 12              | 144           |
| FRLATTICEBR000L | Large  | 12              | 144           |

## COTTON DRILL CUFF GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 8oz cotton drill fabric
- Breathable
- Economical option
- Knitted cuff to repel debris

### APPLICATIONS

General purpose handling, light engineering, warehouse, assembly line.



LADIES GLOVE

MENS GLOVE

| CODE            | SIZE   | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRCOTDRILBL000M | Mens   | 12              | 300 pairs     |
| FRCOTDRILRW000L | Ladies | 12              | 300 pairs     |

## COTTON VINYL GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Light weight
- Economy option
- Breathable cotton
- Vinyl impregnated palm

### APPLICATIONS

Hospitality, general purpose handling, light engineering, warehouse.



| CODE           | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|-------------------|-----------------|---------------|
| FRCOTVYNLW0000 | One size fits all | 12              | 240 pairs     |



# GENERAL PURPOSE COTTON AND LEATHER

## INTERLOCK HEMMED CUFF GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 100% breathable cotton
- Bleached white for clean appearance
- Reversible for extended use
- Can be used as a glove liner
- Hemmed cuff

### APPLICATIONS

General purpose handling, light engineering, warehouse, assembly line.



| CODE           | SIZE   | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|--------|-----------------|---------------|
| FRINTLKMWWOOLD | Ladies | 12              | 600 pairs     |
| FRINTLKMWWOOMN | Mens   | 12              | 600 pairs     |

## INTERLOCK KNITWRIST GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 100% breathable cotton
- Bleached white for clean appearance
- Reversible for extended use
- Can be used as a glove liner
- Knitted cuff to repel debris

### APPLICATIONS

General purpose handling, light engineering, warehouse, assembly line, laboratory work, cold storage, construction.



| CODE           | SIZE   | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------------|--------|-----------------|---------------|
| FRINTLKNWWOOLD | Ladies | 12              | 300 pairs     |
| FRINTLKNWWOOMN | Mens   | 12              | 300 pairs     |

## COTTON KNIT POLKA DOT GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 7 gauge polyester cotton for ventilation and strength
- PVC dots for increased grip
- PVC dots on both sides for reversible use
- Navy colour to conceal dirt

### APPLICATIONS

General purpose handling, light engineering, warehouse, assembly line, laboratory work, cold storage, construction.



DOT ON PALM

DOTS ON PALM &  
BACK OF HAND

| CODE              | SIZE  | FEATURES                       | PACK QTY<br>MOQ | CARTON<br>QTY |
|-------------------|-------|--------------------------------|-----------------|---------------|
| FRCOTWDOTBY000S-L | S/M/L | PVC Dots on<br>Palm            | 12              | 240 pairs     |
| FRCOTDOT00000L    | L     | Dots on Palm &<br>Back of Hand | 12              | 240 pairs     |

# GENERAL PURPOSE COTTON AND LEATHER

## KNITTED POLYCOTTON GLOVE WITH POLKA DOTS

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- PVC dots on palm for excellent grip
- 7 gauge polyester cotton for ventilation and strength
- Beached white for clean appearance

### APPLICATIONS

General purpose handling, light engineering, warehouse, assembly line.



| CODE            | SIZE         | FEATURES            | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------------|---------------------|-----------------|---------------|
| FRCOTWDOTWW000L | Large (Mens) | PVC Dots on<br>Palm | 12              | 240 pairs     |

## KNITTED POLYCOTTON GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 7 gauge polyester cotton for ventilation and strength
- Reversible for extended use
- Navy colour to conceal dirt
- Beached white for clean appearance

### APPLICATIONS

General purpose handling, light engineering, warehouse, assembly line.



| CODE            | SIZE   | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|--------|-----------------|---------------|
| FRPCOTKNTNN00LD | Ladies | Navy   | 12              | 240 pairs     |
| FRPCOTKNTNN00MN | Mens   | Navy   | 12              | 240 pairs     |
| FRPCOTKNTWW00LD | Ladies | White  | 12              | 240 pairs     |
| FRPCOTKNTWW00MN | Mens   | White  | 12              | 240 pairs     |

## LINT FREE GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Lint free nylon glove
- Can be worn under other gloves as a liner
- Reversible for increased life

### APPLICATIONS

General purpose, food processing, light assembly, whitegoods.



| CODE            | SIZE | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|------|-----------------|---------------|
| FRLNTFREEWW0009 | 9    | 12              | 480           |



## SINGLE USE (DISPOSABLE)

### DISPOSABLE NITRILE GLOVE

Grippaz

#### FEATURES AND BENEFITS

- Super strong with beaded cuff
- Patented double sided fish scale grip
- Ambidextrous
- 100% nitrile
- Chemical resistant
- Latex free
- Thickness 6mm

#### APPLICATIONS

Excellent performance when handling machine, engine or hydraulic oils, grease, bleach, caustic acid (NaOH), ammonia, detergents and solvents.



| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| GZGLVSKNSBK000M-2XL | Black  | 100             | 100           |
| GZGLVSKNSO0000M-2XL | Orange | 100             | 100           |



### POWDER FREE DISPOSABLE LATEX GLOVE

#### FEATURES AND BENEFITS

- Latex examination gloves
- Powder free
- Excellent dexterity and touch
- 100% natural rubber latex



| CODE            | COLOUR  | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------|-----------------|---------------|
| ALDISLXPF00000S | Small   | 100             | 10            |
| ALDISLXPF00000M | Medium  | 100             | 10            |
| ALDISLXPF00000L | Large   | 100             | 10            |
| ALDISLXPF0000XL | X-Large | 100             | 10            |

### DISPOSABLE LATEX GLOVE

#### FEATURES AND BENEFITS

- Latex examination gloves
- Excellent dexterity and touch
- 100% natural rubber latex



| CODE            | SIZE    | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------|-----------------|---------------|
| ALDISPLTXWW000S | Small   | 100             | 10            |
| ALDISPLTXWW000M | Medium  | 100             | 10            |
| ALDISPLTXWW000L | Large   | 100             | 10            |
| ALDISPLTXWW00XL | X-Large | 100             | 10            |

SINGLE USE (DISPOSABLE)

DISPOSABLE NITRILE SHORT CUFF GLOVE



FEATURES AND BENEFITS

- Powder free
- 100% nitrile providing strength and good abrasion resistance
- Ambidextrous
- Non sterile
- Biodegradable
- Industrial grade for chemical, oil resistance

APPLICATIONS

Food processing, assembly of intricate parts, painting and printing industries, maintenance, mail sorting, laboratory, emergency services, veterinary, schools, electronics, pharmaceuticals, dental.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRDSPNIPFBL000S | Small    | 100             | 10            |
| FRDSPNIPFBL000M | Medium   | 100             | 10            |
| FRDSPNIPFBL000L | Large    | 100             | 10            |
| FRDSPNIPFBL00XL | X-Large  | 100             | 10            |
| FRDSPNIPFBL02XL | 2X-Large | 100             | 10            |



HAND PROTECTION

DISPOSABLE NITRILE LONG CUFF 300MM GLOVE



FEATURES AND BENEFITS

- 100% nitrile providing strength and good abrasion resistance
- Ambidextrous
- Non sterile
- Biodegradable
- Industrial grade for chemical, oil resistance

APPLICATIONS

Food processing, assembly of intricate parts, painting and printing industries, maintenance, mail sorting, laboratory, emergency services, veterinary, schools, electronics, pharmaceuticals, dental.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRDSPNIEXBL000S | Small    | 100             | 10            |
| FRDSPNIEXBL000M | Medium   | 100             | 10            |
| FRDSPNIEXBL000L | Large    | 100             | 10            |
| FRDSPNIEXBL00XL | X-Large  | 100             | 10            |
| FRDSPNIEXBL02XL | 2X-Large | 100             | 10            |





# CHEMICAL RESISTANT GLOVES AND GAUNTLETS



## MULTI-TECH NITRACHEM30 GLOVE

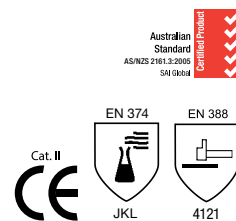
### FEATURES AND BENEFITS

- The glove comes with heavy weight nitrile coating
- A flexible, robust glove offering great dexterity with good resistance to tearing
- Long lasting grip protects the hand from oils, hydrocarbons, grease and abrasion, with effective long-lasting grip
- Impermeable for working in damp or greasy environments, enabling you to grip objects securely
- Designed for easy movement and continuous wear
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Chemical processing, janitorial, degreasing operating, petrochemicals.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NINITRACMBL000S | Small    | 6               | 72 pairs      |
| NINITRACMBL000M | Medium   | 6               | 72 pairs      |
| NINITRACMBL000L | Large    | 6               | 72 pairs      |
| NINITRACMBL00XL | X-Large  | 6               | 72 pairs      |
| NINITRACMBL02XL | 2X-Large | 6               | 72 pairs      |



## MULTI-TECH NITRACHEM65 GLOVE

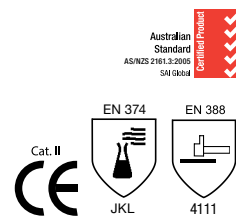
### FEATURES AND BENEFITS

- The glove comes with heavy weight nitrile coating
- A flexible, robust glove offering great dexterity with good resistance to tearing
- Long lasting grip protects the hand from oils, hydrocarbons, grease and abrasion, with effective long-lasting grip
- Impermeable for working in damp or greasy environments, enabling you to grip objects securely
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Chemical processing, janitorial, degreasing operating, petrochemicals.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NINITRACM00000S | Small    | 3               | 36 pairs      |
| NINITRACM00000M | Medium   | 3               | 36 pairs      |
| NINITRACM00000L | Large    | 3               | 36 pairs      |
| NINITRACM0000XL | X-Large  | 3               | 36 pairs      |
| NINITRACM0002XL | 2X-Large | 3               | 36 pairs      |



## MULTI-TECH PVCHEM BLUE GLOVE

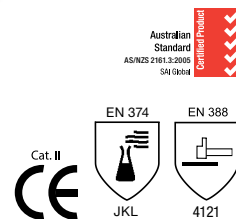
### FEATURES AND BENEFITS

- PVC coating
- Chemical resistant, chemicals including corrosive chemicals, oils and grease
- Highly abrasion resistant, increased thickness gives additional wear and abrasion resistance
- Flare quantlet helps in removing the glove more easily and comfortable
- Cotton knitted seamless lining with elastic yarn
- Approved to AS/NZS 2161.3:2005

### APPLICATIONS

Commercial fishing, chemical handling, materials handling, food processing and handling grease-coated products.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| NIPVCHEMIBL000S | Small    | 6               | 72 pairs      |
| NIPVCHEMIBL000M | Medium   | 6               | 72 pairs      |
| NIPVCHEMIBL000L | Large    | 6               | 72 pairs      |
| NIPVCHEMIBL00XL | X-Large  | 6               | 72 pairs      |
| NIPVCHEMIBL02XL | 2X-Large | 6               | 72 pairs      |



# CHEMICAL RESISTANT GLOVES AND GAUNTLETS

## CHEMITOUCH C3 35CM GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Tactile and ergonomic 15g nylon liner
- Cut 3 resistance (level C)
- Triple coat nitrile / PU blend
- Sandy palm, flat back
- Resistance to oils, hydrocarbons, grease and abrasion
- Protection against chemicals and micro-organisms
- EN374-3 JKL

### APPLICATIONS

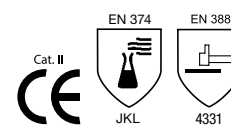
Exposure to bases, oils, fuels, solvents and esters in industry.  
See chemical chart in this section.



**NEW**



| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| FRCHEMTCGG3000M  | Medium   | TBA             | TBA           |
| FRCHEMTCGG3000L  | Large    | TBA             | TBA           |
| FRCHEMTCGG3000XL | X-Large  | TBA             | TBA           |
| FRCHEMTCGG302XL  | 2X-Large | TBA             | TBA           |



## CHEMITOUCH 35CM GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Tactile and ergonomic 18g nylon liner
- Triple coat nitrile / PU blend
- Sandy palm, flat back
- Resistance to oils, hydrocarbons, grease and abrasion
- Protection against chemicals and micro-organisms
- EN374-3 JKL
- 

### APPLICATIONS

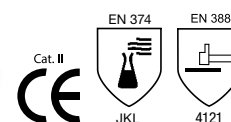
Exposure to bases, oils, fuels, solvents and esters in industry.  
See chemical chart in this section.



**NEW**



| CODE             | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|------------------|----------|-----------------|---------------|
| FRCHEMTCHGB000M  | Medium   | TBA             | TBA           |
| FRCHEMTCHGB000L  | Large    | TBA             | TBA           |
| FRCHEMTCHGB000XL | X-Large  | TBA             | TBA           |
| FRCHEMTCHGB02XL  | 2X-Large | TBA             | TBA           |



## FULL NITRILE DIPPED MEDIUM WEIGHT GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Medium weight full nitrile coat
- Excellent abrasion resistance for long wear
- Good resistance to oils, greases and chemicals
- Knitted wrist to exclude debris
- Sanitised with Actifresh® to kill bacteria and promote freshness

### APPLICATIONS

Assembly, chemical handling, mining, waste management, foundry, general purpose.



| CODE            | SIZE   | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRNITDPFLBL0009 | Medium | 12              | 144 pairs     |
| FRNITDPFLBL0010 | Large  | 12              | 144 pairs     |





# CHEMICAL RESISTANT GLOVES AND GAUNTLETS

## KNIT WRIST SINGLE DIPPED GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Single dipped PVC construction offering good dexterity
- Closed back for increased protection
- Knit wrist to exclude debris
- 100% cotton interlock lining for ease of donning
- Good liquid protection
- Resistant to oils, greases and chemicals
- Short length 27cm

### APPLICATIONS

Automotive, chemical processing, fisheries, pharmaceutical, petroleum refining, general purpose, maintenance.



| CODE            | SIZE  | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------|-----------------|---------------|
| FRSGLDIPKRR000L | Large | 12              | 120 pairs     |



## RED PVC SINGLE DIPPED GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Single dipped PVC construction offering good dexterity
- 100% cotton interlock lining for ease of donning
- Good liquid protection
- Resistant to oils, greases and chemicals
- Available in 27cm cuff
- Available in 35cm cuff
- Available in 45cm cuff

### APPLICATIONS

Automotive, chemical processing, fisheries, pharmaceutical, petroleum refining, general purpose, maintenance.



27CM CUFF



| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRPVCSGLDRR0027 | One size fits all | 12              | 72 pairs      |
| FRPVCSGLDRR0035 | One size fits all | 12              | 72 pairs      |
| FRPVCSGLDRR0045 | One size fits all | 12              | 72 pairs      |



## GREEN PVC DOUBLE DIPPED GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

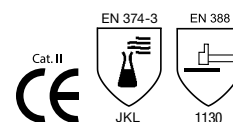
- Double dipped PVC construction
- Jersey lined for ultimate comfort and warmth
- Sandy grip for enhanced wet grip
- Excellent abrasion resistance for increased life cycle
- Resistant to oils, greases and chemicals
- Available in 27cm short length
- Available in 35cm mid length
- Available in 45cm long length

### APPLICATIONS

Automotive, Chemical Processing, fisheries, pharmaceutical, petroleum refining, general purpose and maintenance.



| CODE            | SIZE  | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------|-----------------|---------------|
| FRPVCSGLDRR0027 | Large | 12              | 72 pairs      |
| FRPVCSGLDRR0035 | Large | 12              | 72 pairs      |
| FRPVCSGLDRR0045 | Large | 12              | 72 pairs      |



# CHEMICAL RESISTANT GLOVES AND GAUNTLETS

## DOUBLE LATEX 300MM GLOVE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Light weight latex coating
- 100% cotton interlock lined for comfort and insulation for heat and cold
- Crinkle cut finish for enhanced grip
- Sanitised with Actifresh® to kill bacteria and promote freshness

### APPLICATIONS

Food processing, glass handling, handling fibreglass, janitorial and maintenance, medium duty fabrication, gardening, waste management.

| CODE            | SIZE    | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|---------|-----------------|---------------|
| FRDBLBLUEBL000S | Small   | 12              | 144           |
| FRDBLBLUEBL000M | Medium  | 12              | 144           |
| FRDBLBLUEBL000L | Large   | 12              | 144           |
| FRDBLBLUEBL00XL | X-Large | 12              | 144           |



## ORANGE RUFFY 300/400MM LATEX GLOVE

**FRONTIER**  
PERSONAL PROTECTION

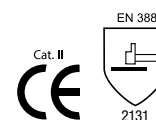
### FEATURES AND BENEFITS

- Orange latex coating
- 100% cotton interlock lines for comfort and insulation from heat and cold
- Crinkle cut finish for enhanced grip
- Sanitised with Actifresh® to kill bacteria and promote freshness
- 300mm cuff
- 400mm cuff

### APPLICATIONS

Deep sea fishing, oyster farming processing, crayfish handling, canning, gardening, farming, forestry, glass industry, refuse collection.

| CODE                | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------------|--------|-----------------|---------------|
| FRRUFFYLX00000M-2XL | Orange | 12              | 144 pairs     |
| FRRFLX40000000L-2XL | Orange | 12              | 144 pairs     |



## MERCURY NITRILE GLOVE

**FRONTIER**  
PERSONAL PROTECTION

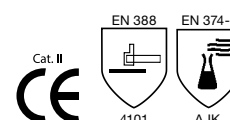
### FEATURES AND BENEFITS

- Green multipurpose nitrile glove
- Resistant to many chemicals and solvents
- Textured palm for enhanced wet and dry grip
- 33cm length for forearm protection

### APPLICATIONS

Chemical transportation, chemical processing, painting industry, printing industry, metal fabrication, industrial cleaning.

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRMERCN33GG000S | Small    | 12              | 120 pairs     |
| FRMERCN33GG000M | Medium   | 12              | 120 pairs     |
| FRMERCN33GG000L | Large    | 12              | 120 pairs     |
| FRMERCN33GG00XL | X-Large  | 12              | 120 pairs     |
| FRMERCN33GG02XL | 2X-Large | 12              | 120 pairs     |



# GLOSSARY

## PENETRATION

Penetration is the movement of a chemical, hazardous substance or micro-organism through porous materials, seams, pinholes or other imperfections in a protective glove material at a non-molecular level.

## CHEMICAL DEGRADATION

Chemical degradation of a glove occurs where exposure of the material to a chemical agent causes the loss of one or more of its original physical qualities. Signs of chemical degradation may include softening, swelling, brittleness, loss of flexibility, weakness, tackiness, disintegration etc. Resistance to degradation is measured as a loss of tensile strength. The loss of 30% tensile strength upon exposure to a chemical defines the maximum useful life of the glove. Resistance to degradation is usually rated on a five point scale from Excellent to Not Recommended.

## PERMEATION OF CHEMICALS

Permeation occurs where a chemical or hazardous substance passes through an intact glove by diffusion, this can occur even if the glove is undamaged. Permeation is inversely proportional to thickness and is often expressed as a qualitative rate ie: fast, medium, slow and zero in addition to the breakthrough time.

## BREAKTHROUGH TIME

Breakthrough time is the time it takes for a chemical or hazardous substance to pass through a glove and be detected on the inside surface of the material. It is measured in minutes and is derived from static tests carried out on a specimen cut from a glove. The test is carried out according to a standard method in EN 374-3. Thicker gloves made from the same material will have a longer break-through time since breakthrough time is directly proportional to the square of the thickness. Breakthrough times are specific to the glove tested and gloves of the same material and thickness from different manufacturers can have different breakthrough times. This can be as a result of numerous factors including, differences in raw materials and their content in the finished product, as well as the degree of cross-bonding.








Breakthrough times are therefore effectively only 'guides', not hard and fast exposure times. Contaminated reusable gloves should always be washed and contaminated disposable gloves changed as soon as reasonably practicable. It is particularly important that re-usable gloves are thoroughly washed after use since residual chemicals may continue to permeate through the material in storage between 'uses'. Where contact with chemicals has occurred gloves of any description should always be disposed off before the breakthrough time has been reached or if there is any reason to suspect the gloves integrity. In some cases gloves may even need to be discarded before the total in-use-time exceeds the breakthrough time, if permeation through to the inner surface can continue after the glove is washed.

## MAKING SENSE OF THE DATA

### 1 BREAKTHROUGH TIME (BTT)

Measured in minutes

#### LEVEL

|   |   |                          |
|---|---|--------------------------|
| 0 |  | 1 - 10 minutes           |
| 1 |  | 11 - 30 minutes          |
| 2 |  | 31 - 60 minutes          |
| 3 |  | 61 - 120 minutes         |
| 4 |  | 121 - 240 minutes        |
| 5 |  | 241 - 480 minutes        |
| 6 |  | greater than 480 minutes |

### 2 PERMEATION RATE

Milligrams per sq. metre per minute

### 3 DEGRADATION

Physical effects on a glove; Change in a glove material's physical properties (eg. thickness, weight, strength) as the result of chemical exposure.

Testing is based on the finger portion of the glove, in which, the middle finger of the glove is cut up to 50mm, weighed accurately and then placed on a test tube with exposed coating area. Immerse this tube into the test chemical for 30 minutes. After this time, take out the samples from the test tube and re-weigh after complete drying in oven. Result is recorded as a percent change in weight, coating condition before and after drying and usability.



### 4 DEGRADATION RATING

|                             | WEIGHT CHANGE  | PUNCTURE RESISTANCE | CONDITION AFTER DRYING |
|-----------------------------|--|---------------------|------------------------|
| <b>E (EXCELLENT)</b>        | 0 to 10%   | > 3.4 lbf           | Soft                   |
| <b>G (GOOD)</b>             | 11 to 20%  | 2.2 - 3.4 lbf       | Soft                   |
| <b>F (FAIR)</b>             | 21 to 30%  | 1.1 - 2.2 lbf       | Slightly Hard          |
| <b>P (POOR)</b>             | Over 30%   | < 1.1 lbf           | Hard                   |
| <b>NR (NOT RECOMMENDED)</b> | -  | -                   | Break                  |
| <b>NT (NOT TESTED)</b>      | -  | -                   | -                      |
| <b>G/E</b>                  | A degradation test with this chemical was not run. However, since its breakthrough time is greater than 480 minutes, the Degradation Rating is expected to be GOOD to EXCELLENT. |                     |                        |



# CHEMICAL RESISTANT GLOVES AND GAUNTLETS

## CHEMICAL RESISTANCE CHART

The chart on the following pages is designed to identify our best fit for purpose glove(s) according to the chemical used. Additionally, some chemical manufacturers' Material Safety Data Sheets (MSDS) may contain recommendations on the most suitable gloves for specific chemicals.



| CATEGORY/FAMILY          | CHEMICAL  | NINJA PVCHEM |       | FRONTIER CHEMITOUCH |       | NINJA NITRACHEM |       |
|--------------------------|---|--------------|-------|---------------------|-------|-----------------|-------|
|                          |   | BTI          | CLASS | BTI                 | CLASS | BTI             | CLASS |
| ACID                     | ACRYLIC ACID  | 58           | 2     | 60                  | 2     | 132             | 4     |
| ACID                     | BATTERY ACID  | >480         | 6     | >480                | 6     | >480            | 6     |
| ACID                     | CITRIC ACID (30%)   | >480         | 6     | >480                | 6     | >480            | 6     |
| ACID                     | CRESYLIC ACID   | >480         | 6     | x                   |       |                 |       |
| ACID                     | MURIATIC ACID   | >480         | 6     | >480                | 6     | >480            | 6     |
| ACID                     | OLEIC ACID  | >480         | 6     | >480                | 6     | >480            | 6     |
| ACID                     | Palmitic Acid   | >480         | 6     | >480                | 6     | >480            | 6     |
| ACIDIC ANHYDRIDE         | CHROMIUM TRIOXIDE   | >480         | 6     | >480                | 6     | >480            | 6     |
| ALCOHOL                  | 1-BUTANOL (BUTYL ALCOHOL)   | >480         | 6     | <120                | 3     | >480            | 6     |
| ALCOHOL                  | 1-PROPANOL (PROPYL ALCOHOL)   |              |       | >480                | 6     | >480            | 6     |
| ALCOHOL                  | AMYL ACETATE  |              |       |                     |       | 89              | 3     |
| ALCOHOL                  | BUTOXY PROPANOL   | >480         | 6     | >240                | 4     |                 |       |
| ALCOHOL                  | DIACETONE ALCOHOL   | >480         | 6     | <10                 | 0     | >480            | 6     |
| ALCOHOL                  | ETHYL ALCOHOL (ETHANOL)(90%)  | 45           | 2     | >480                | 6     | 72              | 3     |
| ALCOHOL                  | ETHYLENE GLYCOL   | >480         | 6     | >480                | 6     | >480            | 6     |
| ALCOHOL                  | GLYCERINE   | >480         | 6     |                     |       |                 |       |
| ALCOHOL                  | ISO BUTYL ALCOHOL ( 2-BUTANOL)  |              |       |                     |       | >480            | 6     |
| ALCOHOL                  | ISO PROPYL ALCOHOL (2-PROPANOL)   |              |       | >480                | 6     | >480            | 6     |
| ALCOHOL                  | ISOAMYL ALCOHOL   |              |       |                     |       | >480            | 6     |
| ALCOHOL                  | METHANOL (METHYL ALCOHOL)   | 36           | 2     | <120                | 3     | 129             | 4     |
| ALCOHOL                  | n-AMYL ALCOHOL  | 172          | 4     |                     |       | 397             | 5     |
| ALCOHOL                  | n-OCTANOL   | >480         | 6     |                     |       | >480            | 6     |
| ALDEHYDE                 | ACETALDEHYDE  | 24           | 1     |                     |       | 24              | 1     |
| ALDEHYDE                 | BENZALDEHYDE  | 66           | 3     |                     |       | 40              | 2     |
| ALDEHYDE                 | FORMALDEHYDE (37%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| ALDEHYDE                 | FURFURAL  | 65           | 3     |                     |       | 61              | 3     |
| ALIPHATIC HYDROCARBONS   | DIESEL  | >480         | 6     | >480                | 6     | >480            | 6     |
| ALIPHATIC HYDROCARBONS   | KEROSENE  | >480         | 6     | >480                | 6     | >480            | 6     |
| ALIPHATIC HYDROCARBONS   | NAPHTHA (SHELLSOL A )   | 45           | 2     | >480                | 6     | 71              | 3     |
| ALIPHATIC HYDROCARBONS   | n-HEXANE  | 54           | 2     | >480                | 6     | >480            | 6     |
| ALIPHATIC HYDROCARBONS   | TRICHLOROETHANE (GENKLENE)  |              |       | <30                 | 1     |                 |       |
| ALIPHATIC HYDROCARBONS   | UNLEADED PETROL   | 40           | 2     |                     |       | 246             | 5     |
| ALKALI                   | AMMONIUM HYDROXIDE ( < 30 % )   | >480         | 6     | >480                | 6     |                 |       |
| ALKALI                   | AMMONIUM HYDROXIDE (35%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| ALKALI                   | POTASSIUM HYDROXIDE (CAUSTIC POTASH) (Saturated)  |              |       |                     |       | >480            | 6     |
| ALKALI                   | POTASSIUM HYDROXIDE (CAUSTIC POTASH) 40%  |              |       |                     |       | >480            | 6     |
| ALKALI                   | POTASSIUM HYDROXIDE (CAUSTIC POTASH) 45%  | >480         | 6     | >480                | 6     | >480            | 6     |
| ALKALI                   | POTASSIUM HYDROXIDE (CAUSTIC POTASH) 50%  | >480         | 6     | >480                | 6     | >480            | 6     |
| ALKALI                   | SODIUM HYDROXIDE (CAUSTIC SODA) (40%)   | >480         | 6     | >480                | 6     | >480            | 6     |
| ALKENE                   | BUTYL ETHYLENE (1-HEXENE)   | >480         | 6     |                     |       |                 |       |
| AMINES                   | ANILINE   | 230          | 4     | 175                 | 4     | 175             | 4     |
| AMINES                   | DIETHANOLAMINE  | >480         | 6     | >480                | 6     | >480            | 6     |
| AMINES                   | DIETHYLAMINE  | 13           | 1     | <30                 | 1     | 11              | 1     |
| AMINES                   | ETHANOLAMINE  | >480         | 6     | >480                | 6     | >480            | 6     |
| AMINES                   | METHYL AMINE (40%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| AMINES                   | MONO ETHANOL AMINE  | >480         | 6     | >480                | 6     | >480            | 6     |
| AMINES                   | TERT- BUTYL AMINE   |              |       |                     |       |                 |       |
| AMINES                   | TRIETHANOLAMINE (TEA)   | >480         | 6     | >480                | 6     | >480            | 6     |
| AROMATIC HYDROCARBONS    | BENZENE   | 17           | 1     |                     |       | 9               | 0     |
| AROMATIC HYDROCARBONS    | OCTANE (Petrol or Gasoline)   | 40           | 2     | <240                | 4     | 246             | 5     |
| AROMATIC HYDROCARBONS    | TOLUENE   | 16           | 1     | <30                 | 1     | 24              | 1     |
| AROMATIC HYDROCARBONS    | XYLENE  | 7            | 0     | <30                 | 1     | 60              | 2     |
| ARYL PHOSPHATE           | TRIXYLENYL PHOSPHATE (TXP)  | >480         | 6     |                     |       |                 |       |
| CARBOXYLIC ACID ESTERS   | ETHYL BUTANOL   | >480         | 6     | >480                | 6     | >480            | 6     |
| CHLOROCARBON             | CARBON TETRA CHLORIDE   | 43           | 2     | >480                | 6     | 82              | 3     |
| CHLOROCARBON             | TETRACHLOROETHYLENE   |              |       |                     |       | 78              | 3     |
| CYCLOALKANE              | CYCLOHEXANE   | 56           | 2     |                     |       | >480            | 6     |
| DAIRY PRODUCTS           | ANIMAL FATS   | >480         | 6     | >480                | 6     | >480            | 6     |
| ENONES                   | METHYL METHACRYLATE   |              |       | <30                 | 1     | 15              | 1     |
| ENZYMES                  | PROPEATAMPHOS (SAFROTIN) (50% IN ROH)   | >480         | 6     | >480                | 6     | >480            | 6     |
| EPOXIDE                  | EPICHLOROHYDRIN   | 18           | 1     |                     |       | 20              | 1     |
| EPOXIDIZED VEGETABLE OIL | EPOXIDISED SOYA BEAN OIL  | >480         | 6     |                     |       |                 |       |
| ESTERS                   | BUTYL ACETATE   |              |       | <120                | 3     | 43              | 2     |
| ESTERS                   | ETHYL ACETATE   | 11           | 1     | <30                 | 1     | 22              | 1     |
| ESTERS                   | METHYL ACETATE  |              |       | <30                 | 1     |                 |       |
| ESTERS                   | PHITALIC ACID DIBUTYL ESTER   | >480         | 6     | >480                | 6     | >480            | 6     |
| ETHER                    | DIETHYL ETHER (ETHYL ETHER)   | 9            | 0     |                     |       | 14              | 1     |
| ETHER                    | DIETHYLENE GLYCOL MONOHEXYL ETHER (HEXYLCARBITOL SOLVENT)   | >480         | 6     | >480                | 6     | >480            | 6     |
| ETHER                    | DIPROPASOL GLYCOL MONO n-BUTYL ETHER (BUTYL DIPROPASOL SOLVENT) (DIPROPYLENE GLYCOL MONO n-BUTYL ETHER) | >480         | 6     |                     |       | >480            | 6     |
| ETHER                    | TETRAHYDROFURANE  | 15           | 1     | <30                 | 1     | 7               | 0     |
| GLYCOL ETHER             | ETHOXYTRIGLYCOL (TRIETHYLENE GLYCOL MONO ETHYL ETHER)   | >480         | 6     | >480                | 6     | >480            | 6     |
| GLYCOL ETHER             | METHOXY TRIGLYCOL   | >480         | 6     | >480                | 6     | >480            | 6     |
| GLYCOETHER               | BUTYL CELLOSOLVE SOLVENT (2- Butoxy Ethanol)  | >480         | 6     | >480                | 6     | >480            | 6     |
| HALOGENATED HYDROCARBONS | 1,2 DI CHLORO ETHANE 76% + PHENOL 24%   |              |       |                     |       | 17              | 1     |
| HALOGENATED HYDROCARBONS | 1,2 DICHLORO ETHANE   | 11           | 1     |                     |       | 5               | 0     |

| CATEGORY/FAMILY               | CHEMICAL   | NINJA PVCHEM |       | FRONTIER CHEMITOUCH |       | NINJA NITRACHEM |       |
|-------------------------------|--|--------------|-------|---------------------|-------|-----------------|-------|
|                               |  | BTT          | CLASS | BTT                 | CLASS | BTT             | CLASS |
| HALOGENATED HYDROCARBONS      | CHLOROFORM   | 6            | 0     | <10                 | 0     | 2               | 0     |
| HALOGENATED HYDROCARBONS      | METHYLENE CHLORIDE (DI CHLORO METHANE)   | 9            | 0     | <10                 | 0     | 6               | 0     |
| HALOGENATED HYDROCARBONS      | TRICHLOROETHYLENE  | 5            | 0     | <10                 | 0     |                 |       |
| HETEROCYCLIC ORGANIC COMPOUND | 1,4 DIOXANE  | 27           | 1     |                     |       | 35              | 2     |
| HYDRAULIC FLUID               | BRAKE FLUID  | >480         | 6     | >480                | 6     | >480            | 6     |
| HYDROCARBON                   | n-HEPTANE  | 39           | 2     |                     |       | 0               | 0     |
| HYDROCARBON                   | PARAFFIN OIL   | >480         | 6     |                     |       |                 |       |
| INORGANIC ACIDS               | CHROMIC ACID (50%)   | >480         | 6     | >480                | 6     | >480            | 6     |
| INORGANIC ACIDS               | HYDROCHLORIC ACID (10%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| INORGANIC ACIDS               | HYDROCHLORIC ACID (30%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| INORGANIC ACIDS               | HYDROCHLORIC ACID (37%)  | >480         | 6     | >480                | 6     |                 |       |
| INORGANIC ACIDS               | Hydrofluoric Acid (40%)  |              |       | <240                | 4     |                 |       |
| INORGANIC ACIDS               | NITRIC ACID (10%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| INORGANIC ACIDS               | NITRIC ACID (23%)  |              |       |                     |       |                 |       |
| INORGANIC ACIDS               | NITRIC ACID (65%)  |              |       | <30                 | 1     | 130             | 4     |
| INORGANIC ACIDS               | ORTHO PHOSPHORIC ACID (85%)  | >480         | 6     |                     |       | >480            | 6     |
| INORGANIC ACIDS               | PERCHLORIC ACID (60%)  | >480         | 6     |                     |       | >480            | 6     |
| INORGANIC ACIDS               | SULPHURIC ACID (50%)   |              |       | <240                | 4     |                 |       |
| INORGANIC ACIDS               | SULPHURIC ACID (30%)   | >480         | 6     | >480                | 6     |                 |       |
| INORGANIC ACIDS               | SULPHURIC ACID (47%)   | >480         | 6     | >480                | 6     | >480            | 6     |
| INORGANIC ACIDS               | SULPHURIC ACID (Con. 96 - 98%)   | 160          | 4     | <240                | 4     | 128             | 4     |
| INORGANIC ACIDS               | TANNIC ACID (65%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| INORGANIC COMPOUND            | AMMONIUM FLOURIDE (40%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| KETONE                        | 2,6-DIMETHYL-4-HEPTANONE   | >480         | 6     |                     |       | >480            | 6     |
| KETONE                        | ACETONE  | 10           | 0     | <10                 | 1     | 17              | 1     |
| KETONE                        | CYCLOHEXANONE  |              |       | <60                 | 2     | 118             | 3     |
| KETONE                        | DI-ISOBUTYL KETONE   | >480         | 6     | >480                | 6     | >480            | 6     |
| KETONE                        | ISO BUTYL METHYL KETONE (METHYL ISO BUTYL KETONE) (MIBK)                                 |              |       | <30                 | 2     | 52              | 2     |
| KETONE                        | METHYL ETHYL KETONE (2-BUTANONE) (MEK)   |              |       | <10                 | 1     | 15              | 1     |
| LIQUID HYDROCARBON            | STYRENE  |              |       | <30                 | 2     | 26              | 1     |
| METHYLCARBITOL SOLVENT        | DIETHYLENE GLYCOL MONOMETHYL ETHER (METHYLCARBITOL SOLVENT)                              | >480         | 6     | >480                | 6     | >480            | 6     |
| MISCELLANEOUS                 | ACETONITRILE   | 20           | 1     | <30                 | 1     | 22              | 1     |
| MISCELLANEOUS                 | ACRYLAMIDE (50%)   | >480         | 6     |                     |       | >480            | 6     |
| MISCELLANEOUS                 | CARBONDISULFIDE  | 8            | 0     | <30                 | 1     | 2               | 0     |
| MISCELLANEOUS                 | CRESOL   | >480         | 6     |                     |       |                 |       |
| MISCELLANEOUS                 | HYDRAZINE HYDRATE (85%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| MISCELLANEOUS                 | HYDROGEN PEROXIDE  | >480         | 6     | <240                | 4     |                 |       |
| MISCELLANEOUS                 | HYDROGEN PEROXIDE(30%)   | >480         | 6     | <240                | 4     | >480            | 6     |
| MISCELLANEOUS                 | PHENOL (76% IN H <sub>2</sub> O )  |              |       | <120                | 3     | >480            | 6     |
| MISCELLANEOUS                 | PHENOL (90%)   | >480         | 6     | <120                | 3     | >480            | 6     |
| MISCELLANEOUS                 | PYRIDINE   |              |       | <30                 | 1     | 23              | 1     |
|                               | BUTOXY TRIGLYCOL   | >480         | 6     | >480                | 6     | >480            | 6     |
|                               | DIMETHYL SULFATE   | 100          | 3     |                     |       |                 |       |
|                               | OIL-BASED PAINTS   | >480         | 6     | >480                | 6     | >480            | 6     |
| OIL                           | COOKING OIL  | >480         | 6     | >480                | 6     | >480            | 6     |
| OIL                           | CORN OIL   | >480         | 6     | >480                | 6     | >480            | 6     |
| OIL                           | GROUNDNUT OIL (PEANUT OIL)   | >480         | 6     | >480                | 6     | >480            | 6     |
| OIL                           | OLIVE OIL  | >480         | 6     | >480                | 6     | >480            | 6     |
| ORGANIC ACID                  | FORMIC ACID (90%)  | >480         | 6     | <60                 | 2     | >480            | 6     |
| ORGANIC ACID                  | LACTIC ACID (85%)  | >480         | 6     | >480                | 6     | >480            | 6     |
| ORGANIC ACID                  | MALEIC ACID  | >480         | 6     | >480                | 6     | >480            | 6     |
| ORGANIC ACIDS                 | ACETIC ACID (Glacial)  | 121          | 4     | <240                | 4     | 167             | 4     |
| ORGANIC ACIDS                 | OXALIC ACID  | >480         | 6     | >480                | 6     | >480            | 6     |
| ORGANIC COMPOUND              | CYCLOHEXANOL   | >480         | 6     | >480                | 6     | >480            | 6     |
| ORGANIC COMPOUND              | n,n DIMETHYL ACETAMIDE   |              |       |                     |       | 47              | 2     |
| ORGANIC COMPOUND              | N-METHYL-2-PYRROLIDONE   | 170          | 4     | <30                 | 1     | 173             | 4     |
| OXIDOREDUCTASES               | 2-NITRO PROPANE (95.5%)  | 21           | 1     |                     |       | 20              | 1     |
| PHENOL                        | HYDROQUINONE   | >480         | 6     | >480                | 6     | >480            | 6     |
| PLASTICIZER                   | DI-BUTYL PHTHALATE (D.B.P)   | >480         | 6     |                     |       |                 |       |
| PLASTICIZER                   | DIOCTYL PHTHALATE [DI(2-ETHYL HEXYL)PHTHALATE] ( D.O.P )                                 | >480         | 6     | >480                | 6     | >480            | 6     |
| PLASTICIZER                   | TRICRESYL PHOSPHATE (TCP)  | >480         | 6     | >480                | 6     | >480            | 6     |
| POLAR SOLVENT                 | DIMETHYLACETAMIDE  |              |       | <30                 | 1     | 51              | 2     |
| POLYMER                       | METHYL ACRYLATE  |              |       | <30                 | 1     |                 |       |
| SALT SOLUTIONS                | SODIUM HYPOCHLORITE (6-12%) (Bleach)   | >480         | 6     | >480                | 6     | >480            | 6     |
| SOAP                          | DETERGENT  | >480         | 6     | >480                | 6     |                 |       |
| SOLVENT                       | BUTYL CARBITOL SOLVENT (DIETHYLENE GLYCOL MONOBUTYL ETHER)                               | >480         | 6     | >480                | 6     | >480            | 6     |
| SOLVENT                       | BUTYRO LACTONE   | 122          | 4     |                     |       | 110             | 3     |
| SOLVENT                       | CHLOROBENZENE  | 16           | 1     |                     |       | 24              | 1     |
| SOLVENT                       | DIMETHYL SULPHOXIDE  |              |       | <480                | 5     |                 |       |
| SOLVENT                       | DIMETHYL FORMAMIDE (DMF)   | 39           | 2     | <30                 | 1     | 37              | 2     |
| SOLVENT                       | DIPROPYLENE GLYCOL MONO n-PROPYL ETHER   | >480         | 6     | >480                | 6     | >480            | 6     |
| SOLVENT                       | ETHYLENE GLYCOL MONOPROPYL ETHER (PROPYL CELLOSOLVE SOLVENT)                             | >480         | 6     | >480                | 6     | >480            | 6     |
| SOLVENT                       | HEXYLCELLOSOLVE SOLVENT  | >480         | 6     |                     |       |                 |       |
| SOLVENT                       | NITRO BENZENE  | 103          | 3     | <120                | 3     | 60              | 2     |
| SOLVENT                       | PROPOXY DIETHYLENE GLYCOL (PROPYL CARBITOL SOLVENT) (DIETHYLENE GLYCOL MONOPROPYL ETHER) | >480         | 6     |                     |       | >480            | 6     |
| SOLVENT                       | PROPYL ACETATE   | 17           | 1     | <30                 | 1     | 7               | 0     |
| SOLVENT                       | PROPYL CELLOSOLVE SOLVENT  | >480         | 6     |                     |       |                 |       |
| SOLVENT                       | PROPYLENE GLYCOL MONOBUTYL ETHER (BUTYL PROPASOL SOLVENT)                                | >480         | 6     | >480                | 6     | >480            | 6     |
| VEGETABLE OIL                 | CASTOR OIL (Ricinus oil)   | >480         | 6     | >480                | 6     | >480            | 6     |
| DAIRY PRODUCTS                | MILK PRODUCTS (BUTTER, ETC. )  | >480         | 6     | >480                | 6     | >480            | 6     |

## COMPARISON OF COATINGS - NINJA GLOVES

| Coating Types                            |  | Nitrile  |  |   |   |  |  |
|--|--|--|--|---|---|--|--|
|  |  | Nitrile Flat<br>(added Crumbs for Nitrachem)   | Sponge/Flex  | Micro Foam (DS)   | 2NFT  | 12NFT  | Nitrile Latex<br>Waves Pattern   |
| Coating Description/Features             |  | High resistance to abrasion (similar to PU), tacky finish, excellent dry grip.<br>FDA approved.  | Sponge coating (chemically foamed) offers slightly better wet and oil grip than flat Nitrile.<br>It is softer and more flexible, however less soft and breathable than Air Foam Nitrile.             | Can be formulated thinner than Nitrile foam coating.<br>Microfoam coatings have a slightly tacky finish.  | Unique porous structure with suede finish on Nitrile coating. Offers good wet and oil grip.<br>More elastic and form fitting compared to other Nitrile coatings.        | Unique porous structure with suede finish over smooth finish (double layered) Nitrile coating.<br>Oil/ glue does not permeate.   | Solvent free, "Waves" pattern structure. Nitrile Latex coating provides flexibility, and highest resistance to abrasion.<br>Excellent dry and wet grip with good oil grip. |
| Characteristics                          | Finish                                     | Smooth   | Smooth   | Textured  | Textured  | Textured   | Crinkle  |
|  | Weight                                     | Medium weight  | Medium weight  | Light weight  | Medium weight   | Medium weight  | Heavy weight   |
|  | Breathability                              | N/A  | Fair Breathability   | Very Good Breathability   | Very Good Breathability   | Good Breathability   | Poor Breathability   |
|  | Flexibility                                | Good Flexibility   | Good Flexibility   | Very Good Flexibility   | Very Good Flexibility   | Good Flexibility   | Fairly Flexible  |
| General Temperature Ranges (Celcius)     |  | -4 to150°C   | -4 to150°C   | less than 101°C preferred   | Not available   | Not available  | -4 to150°C   |
| Grip                                     | Dry  | Excellent  | Good   | Good  | Good  | Good   | Excellent  |
|  | Oil  | Poor   | Good   | Good  | Excellent   | Good   | Good   |
|  | Wet  | Poor   | Fair   | Fair  | Very good   | Good   | Good   |
| Limitations                              |  | Poor breathability, less soft so faster hand fatigue, inherently soapy in wet environment.   | Inherently soapy in wet environment and permeable.   | Inherently soapy in wet environment and less permeable than Sponge Nitrile.   | Due to porous structure, moisture penetration is high. Lower abrasion resistance and durability compared to flat.   | Less flexible compared to 2NFT due to double coating.  | Less flexible.<br>Reduced tactility.   |
| EN 388 (Coating + 15 GG Polyamide Liner) | Abrasion Level                             | 4  | 3  | 4   | 4   | 4  | 4  |
|  | Cycles                                     | 8000   | 2000   | 8000  | 8000  | 8000+  | 8000+  |
|  | Cut Level                                  | 1  | 1  | 1   | 1   | 1  | 1  |
|  | Index Value                                | 1.6  | 1.7  | 1.38  | 1.7   | 1.7  | 1.8 - 2.1  |
|  | Tear Level                                 | 2  | 3  | 2   | 4   | 3  | 3  |
|  | Newton                                     | 42   | 60   | 45.5  | 110   | 59   | 60 - 62  |
|  | Puncture Level                             | 1  | 2  | 2   | 1   | 1  | 1  |
|  | Newton                                     | 48   | 61   | 60.1  | 35  | 40   | 56.7   |
| Applications                             |  | Automotive, assembly, food packing, furniture manufacturing, pesticides, oil refining.<br>Component materials are safe for food contact. Good for chemical applications. | Automotive, construction, material handling, engineering, assembly, inspection/ examination.<br>Component materials are safe for food contact, but porous properties will allow bacteria to develop. | Automotive, construction, material handling, engineering, assembly, inspection/ examination.<br>Moderate cool temperatures, where protection is still needed. | Agriculture, material handling, packing, construction, furniture manufacturing, glass handling, bottling operations.<br>Component materials are safe for food contact.  | Agriculture, material handling, packing, construction, furniture manufacturing, glass handling, bottling operations.<br>Component materials are safe for food contact. | "Waves" structure ideal for maximum dexterity, comfort. Automotive/ transport, aerospace, utilities, oil and gas.<br>Flexible coating provides a firm wet and dry grip.    |
| Coating Wearer Trial Results             | Manual Operation of Solvent Dipping - Hrs  |  |  |   | 18 hours  |  |  |
|  | Manual Operation of Compound Dipping - Hrs | 20 hours   | 17 hours   |   | 26+ hours   | 26+ hours  |  |
|  | Lift Loading Operation - Hrs               |  |  |   | 26+ hours   |  |  |
|  | Tyre Changing Workshop - Days              | 20+ days   |  |   | 8 days  |  | 60 days  |
|  | Engineering Workshop - Days                |  |  |   | 12 days   |  |  |
| Ninja Styles                             |  | MULTI-TECH NitraChem65<br>MULTI-TECH NitraChem<br>Classic Total Cut 5  | Classic Multi Foam<br>Classic Multi Foam HV  | MULTI-TECH DryGuard   | Maxim Cool<br>Maxim Cool HV<br>Maxim Cool HV DOTs<br>Maxim Tactus<br>Maxim Tactus HV<br>Maxim Cut 3<br>Maxim Cut 4<br>Maxim Cut 5<br>Maxim Glacier<br>Classic Max Cut 4 | Maxim Cut 3 Oil<br>Maxim Dry<br>Maxim Dry +  | Rufftec Endure<br>Rufftec Endure HV  |

## COMPARISON OF COATINGS - NINJA GLOVES

| Coating Types                            |  | PVC  |  | Natural Rubber Latex  | Bi-Polymer  | Polyurethane (PU)   |
|--|--|--|--|---|---|---|
|  |  | Hydrepellent Technology (HPT)  | PVC Multi Dip  | Natural Rubber Latex  | Bi-Polymer (Nitrile/PU blend)   | Polyurethane (PU)   |
| Coating Description/Features             |  | Light weight<br>Flexible<br>Durable<br>Clean<br>Non-tacky  | Extremely durable, flexible, sponge touch, anti-vibe finish. Excellent wet grip, minimal tackiness.<br>REACH/Prop 65 Compliant | Liquid proof coating with good wet, dry and oil Grip.<br>Coating is tacky and rough for extra gripping power.<br>Chemical Resistance and REACH/Prop 65 Compliant. | Flexible, moderate tenacity coating, less resistant to abrasion compared to PU and Nitrile. Latex coatings have minimal tackiness.<br>Excellent dry grip and good wet grip. FDA approved. | Light weight with excellent flexibility.<br>Coating is slightly tacky for extra gripping power.   |
| Characteristics                          | Finish                                     | Textured   | Textured   | Particle/Rough  | Crinkle   | Smooth  |
|  | Weight                                     | Light weight   | Heavy weight   | Heavy weight  | Heavy weight  | Light weight  |
|  | Breathability                              | Excellent Breathability  | Very Good Breathability  | N/A   | Poor Breathability  | Good Breathability  |
|  | Flexibility                                | Excellent Flexibility  | Good Flexibility   | Fair Flexibility  | Excellent Flexibility   | Excellent Flexibility   |
| General Temperature Ranges (Celsius)     |  | -4 to 150°C  | -4 to 66°C   | -4 to 66°C  | -18 to 150°C  | -4 to 150°C   |
| Grip                                     | Dry  | Good   | Very good  | Excellent   | Excellent   | Very good   |
|  | Oil  | Good   | Good   | Good  | Not Recommended   | Good  |
|  | Wet  | Good   | Excellent  | Excellent   | Good  | Not recommended   |
| Limitations                              |  | Porous.<br>High permeability.<br>DMF levels.   | Suspect oil grip, marring/smudging due to plasticizers on coating.<br>Low resistance to heat.                                  | Marring/smudging due to plasticizers on coating.<br>Reduced tactility.  | Sensitive to heat.<br>Poor oil/grease resistance.<br>Can cause allergic reactions due to presence of latex proteins.  | Water can easily pass through.<br>High permeability.<br>Lower resistance to abrasion.   |
| EN 388 (Coating + 15 GG Polyamide Liner) | Abrasion Level                             | 4  | 4  | 4   | 3   | 2   |
|  | Cycles                                     | 8000   | 8000   | 8000+   | 2500  | 500   |
|  | Cut Level                                  | 1  | 1  | 1   | 1   | 1   |
|  | Index Value                                | 1.7  | 1.3 - 1.5  | 1.5 - 1.7   | 1.6   | 1.7   |
|  | Tear Level                                 | 3  | 3  | 2   | 3   | 3   |
|  | Newton                                     | 65   | 55 - 80  | 25-49   | 57.5  | 54.4  |
|  | Puncture Level                             | 1  | 1  | 1   | 1   | 1   |
|  | Newton                                     | 35   | 46 - 54  | 46 - 54   | 41.5  | 35.8  |
| Applications                             |  | Detailed assembly, inspection, light fabrication and small parts handling, general purpose.  | Petrochemical industry, shipping and receiving, plumbing, general construction.  | Long lasting, well suited to a variety of applications such as high dexterity, good oil grip, best wet and dry grip.<br>Good for chemical applications.           | Agriculture, material handling, packing, construction, furniture manufacturing, glass handling, bottling operations.<br>Component materials are safe for food contact.                    | Automotive, engineering, electronics, maintenance, inspection, packaging.<br>Component materials are safe for food contact, but porous properties will allow bacteria to develop. |
| Coating Wearer Trial Results             | Manual Operation of Solvent Dipping - Hrs  | 16 hours   |  |   |   |   |
|  | Manual Operation of Compound Dipping - Hrs | 18 hours   |  |   | 17 hours  | 20 hours  |
|  | Lift Loading Operation - Hrs               | 20+ hours  |  |   |   |   |
|  | Tyre Changing Workshop - Days              | 15 days  | 30 days  |   | 20 days   |   |
|  | Engineering Workshop - Days                | 26 days  | 2 days (stopped/sweaty)  |   | 2 days (stopped/sweaty)   |   |
| Ninja Styles                             |  | RAZR Diamond 3<br>RAZR Diamond 5<br>RAZR Silver 3<br>RAZR Silver 5<br>Classic Multi Lite<br>Classic Multi Lite HV<br>Classic Force Cut 5 | HPT GripX<br>HPT GripX HV<br>HPT Ice<br>HPT Ice HV<br>MULTI-TECH Therm365  | MULTI-TECH PVChem   | Classic Multi Flex<br>Classic Multi Flex V<br>Classic ACE Cut 3   | Classic X Cut 4<br>Classic 5 Star Cut   |



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# 7 SUN PROTECTION & HYDRATION

Prevention is always better than cure when it comes to the effects and damage from sun exposure.

Our range of Cancer Council Sunscreens and Frontier water coolers will protect against harmful UV rays and heat of the sun.

# SUN PROTECTION & HYDRATION

**STAYING UNDER SHADE OR INDOORS IS THE BODY'S BEST DEFENCE AGAINST THE EFFECTS OF THE SUN, HOWEVER WHEN YOUR WORK REQUIRES YOU TO BE OUTDOORS IN THE SUN, THERE IS NOTHING BETTER TO PROTECT YOU THAN OUR RANGE OF CANCER COUNCIL SUNSCREENS.**

## SKIN CANCER – THE STATISTICS

Skin cancer occurs when skin cells are damaged, for example, by overexposure to ultraviolet (UV) radiation from the sun.

### THERE ARE THREE MAIN TYPES OF SKIN CANCER:

- 1** BASAL CELL CARCINOMA
- 2** SQUAMOUS CELL CARCINOMA
- 3** MELANOMA – THE MOST DANGEROUS FORM OF SKIN CANCER

Both basal cell carcinoma and squamous cell carcinoma are known as non-melanoma skin cancer. Approximately, two in three Australians will be diagnosed with skin cancer by the time they are 70, with more than 750,000 people treated for one or more non-melanoma skin cancers in Australia each year. Non-melanoma skin cancer is more common in men, with almost double the incidence compared to women. Excluding non-melanoma skin cancer, melanoma is the third most common cancer in Australians. (Cancer Council, 2017)

## THE IMPORTANCE OF SUNSCREEN

Sunscreen protects your skin from the sun's ultraviolet or UV rays. The predominant reason for its' use is the reduction of skin cancer risk which, as stated above, has a high incidence in Australia.

Two types of UV rays, known as UVA and UVB, trigger harmful changes in your skin. According to the most credible scientific sources, UVA rays account for up to 95 percent of the ultraviolet radiation that reaches the earth's surface.

### SOME OTHER BENEFITS OF SUNSCREEN ARE:

- Prevents Premature Aging
- Prevents Tanning
- Lowers Blotchiness on Face
- Enhances Health of the Skin
- Prevents Sunburns
- A Good Cosmetic Option.

The Cancer Council is the leading independent funding body for cancer research in Australia. The Cancer Council sunscreen offer includes broad-spectrum sunscreens in a range of innovative formulations and packaging to suit the working environment.



## BENEFITS OF BUYING THE TRUSTED CANCER COUNCIL PRODUCT RANGE

|                                     |   |
|-------------------------------------|---|
| MARKET LEADING PRODUCT              | Very high protection SPF50+ UVA/UVB Broad Spectrum 4 hours water and sweat resistant 3 year shelf life <b>NO</b> nano particles                     |
| SOCIAL RESPONSIBILITY               | Proceeds help fund cancer research, patient support and education. "Every tube helps"   |
| ENVIRONMENTALLY SENSITIVE           | Recyclable packaging • Low impact formulation   |
| OHS COMPLIANT                       | Approved by the Safety Institute of Australia • Easy to use and dispense<br>Rapid touch dry formulation • Dust and dirt won't stick • Non-slip grip |
| PRICE COMPETITIVE AND AFFORDABLE    | Corporate and Non Retail rates available  |
| MULTITASK AND SURFACE COMPATIBILITY | No impact on industrial coated surfaces   |
| LOCAL SOURCING                      | Australian Made and Owned   |

## EXTRA PROTECTION FOR THE HEAD AND NECK

The Snap Brim is an easy attached rigid sunshade for hard hats. It provides superior sun protection with a minimum of effort for anyone working outdoors. The Snap Brim's sturdy construction shelters the wearer from the elements and shields from harmful UV rays, helping to minimise the risk of skin cancer and its effects.

For more information on our Snap Brims >> see page 15



## MORE ABOUT SUNSCREEN - HOW DO SUNSCREENS WORK?

### THERE ARE TWO TYPES OF SUNSCREEN INGREDIENTS:

- 1 Absorbers which absorb most of the UV, and
- 2 Reflectors that scatter most of the UV away from your skin.

Some sunscreens utilise both absorbing and reflecting ingredients. Examples of reflecting ingredients include Zinc Oxide and Titanium Oxide. UV absorbers use ingredients such as Oxybenzone, Octocrylene, 4-Methylbenzylidene camphor and Butyl methoxy dibenzoylmethane.

### WHAT DOES SPF MEAN?

SPF stands for Sun Protection Factor. SPF relates to the amount of time it takes for redness to appear on the skin compared to when no product is used at all. The test is done in a laboratory.

For example, if it takes 10 minutes for unprotected skin to show redness, then an SPF30 sunscreen correctly applied, in theory, will take 30 times longer or 300 minutes to burn. However, it is hard to achieve this level of protection in real life - factors such as skin type, ultraviolet (UV) levels, swimming/drying and how much sunscreen you apply can affect the level of protection. That's why we always recommend applying liberally every two hours or after swimming, sweating or towel drying. It is also important to apply 20 minutes beforehand before being exposed to UV.

To maximise the protective benefit of sunscreen, apply as directed (see below) and whenever possible in conjunction with other sun protection measures such as protective clothing, hats, and sunglasses. When UV levels are at their highest, the most effective protection is to seek shade.

### WHAT DOES BROAD SPECTRUM MEAN?

Broad spectrum sunscreens offer protection from both UVA and UVB rays, the two types of harmful ultraviolet radiation emitted by the sun. UVB is the principal cause of sunburn, but both UVA and UVB contribute to increased skin cancer risk.

### HOW SHOULD I APPLY SUNSCREEN?

Sunscreen should be applied 20 minutes before exposure to UV in order to create the intended protective barrier. It should be applied liberally and evenly to clean and dry skin. For an adult, the recommended application is 5ml (approximately one teaspoon) for each arm, leg, body front, body back and face (including neck and ears). That equates to a total of 35ml (approximately seven teaspoons) for a full body application.

Sunscreen should always be reapplied at least every two hours, irrespective of the water resistance of the sunscreen. Swimming, sport, sweating and towel drying can reduce the effectiveness of the product, so sunscreen should always be reapplied after these activities.

### IS SUNSCREEN ENOUGH?

Sunscreen should never be used as the only line of defence against sun damage. It is also important to remember that sunburn is caused by UV radiation, which is not related to temperature.

### WHENEVER THE UV INDEX IS 3 OR ABOVE, BE SURE TO:

- Slip on some sun protective clothing that covers as much skin as possible - this offers the best protection
- Slop on broad spectrum, water resistant SPF30+ (or higher) sunscreen
- Slap on a hat - broad brim or legionnaire style to protect your face, head, neck and ears
- Seek shade
- Slide on some sunglasses - make sure they meet Australian standards.



## STAYING HYDRATED

Working in the harsh Australian heat increases the risk of dehydration and heat stress for Australian workers. Most at risk are those working outdoors performing physically intensive labour and indoor workers who are exposed to high temperatures with poor ventilation. If you work in the heat, ensure you follow these tips to minimise your risk of heat illness and dehydration to stay safe and healthy.



### 1 DON'T WAIT UNTIL YOU ARE THIRSTY

Don't wait until you are thirsty to drink. If you are thirsty you are already dehydrated. Instead drink small amounts frequently at regular intervals. 250mls every 15-20mins is the recommendation for working in the heat.

### 2 CARRY A DRINK BOTTLE OR COOLER

#### KEEP IT IN A COOL PLACE

You are more inclined to drink when fluid is readily available. Keep your cooler with you and ensure it is well insulated like the Frontier JugRnaut, with an easy pour/refill spout and lid.

### 3 PRE-HYDRATE

Recent workplace studies have shown that many Australian workers show up to work already 2% dehydrated. Drink plenty of fluids in the hours before your shift so that you are not starting your work day with a fluid deficit.

### 4 MONITOR YOUR BODY FLUIDS

Monitor how much you are sweating and going to the toilet and ensure you are replacing these fluids.

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## JugRnaut COOLERS

**2.5 LITRE AND 5 LITRE  
WITH RETRACTABLE POURING SPOUT**

- Fully insulated for temperature retention
- Carry handle with finger grip
- Removable drinking cup with handle
- Strong, high density plastic construction



## 50+ ULTRA LIP BALM SUNSCREEN

### FEATURES AND BENEFITS

- Those looking for a very high SPF50+ protection everyday
- Improved "better feeling formula" now with mineral silica
- Tested for 4 hours water resistance
- Our best selling formulation

| CODE          | SIZE   | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|--------|-----------------|---------------|
| S-004-UL-50P  | 4 gm   | 24              | 96            |
| SS-110-UL-50P | 110 ml | 4               | 24            |
| SS-250-UL-50P | 250 ml | 4               | 24            |



## 50+ WORK PUMP PACK SUNSCREEN

### FEATURES AND BENEFITS

- Dry touch formula: safe non-slip grip on tools, equipment and safety devices
- Oil and fragrance free
- Dry touch so dirt and dust won't stick
- Zinco oxide and titanium dioxide free to not react with coated metal
- Helps employers meet OH&S responsibilities

| CODE          | SIZE    | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|---------|-----------------|---------------|
| SS-500-WK-50P | 500 ml  | 4               | 12            |
| SS-001-WK-50P | 1 litre | 1               | 6             |



## 50+ ACTIVE EZI CLIP SUNSCREEN

### FEATURES AND BENEFITS

- Oil-free, light feel and non-greasy
- Unique mineral silica base imparts a dry touch feel on the skin
- Ideal for active land pursuits such as working outdoors
- Ideal for oily skin
- Active SPF50+ is the most dry touch formulation

| CODE          | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|--------|-----------------|---------------|
| SS-050-AC-50P | 50 ml  | 8               | 40            |



## 30+ REPEL SUNSCREEN



### FEATURES AND BENEFITS

- Dual purpose sunscreen
- Effectively repels flies and mosquitoes
- Ideal for working outdoors, camping, hiking and other outdoor activities
- Repel SPF30+ is tested to meet SPF and repellent standards



| CODE         | SIZE   | PACK QTY<br>MOQ | CARTON<br>QTY |
|--------------|--------|-----------------|---------------|
| SS-050-IR-EC | 50 ml  | 8               | 40            |
| SS-110-IR-TU | 110 ml | 6               | 24            |

## 1 LITRE SUNSCREEN METAL BRACKET



### FEATURES AND BENEFITS

- Convenient metal bracket to mount 1 litre format sunscreen to wall
- Comes with screws suitable to mount onto plasterboard or masonry
- Ability to secure with padlock (not included)
- Designed to hold everyday SPF30, Ultra SPF50+ and Work SPF50+ 1L format



| CODE         | SIZE    | PACK QTY<br>MOQ | CARTON<br>QTY |
|--------------|---------|-----------------|---------------|
| SM-000-MS-MB | 1 litre | 1               | 1             |



## 2.5 LITRE MINI JUGNAUT COOLER

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NEW

## FEATURES AND BENEFITS

- Fully insulated body for optimal temperature retention
- Easy pour/refill spout on lid
- Large comfort handle
- Removable drinking cup



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRMINIJUGBL2500 | Blue   | Each            | 9             |
| FRMINIJUGO02500 | Orange | Each            | 9             |

## 5 LITRE JUGNAUT COOLER

FRONTIER  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- Retractable push tap for better hygiene and avoids tap breakage
- Easy pour/refill spout on lid
- Fully insulated body for optimal temperature retention
- Stable wide bottom base resists tipping
- Large comfort carry handle with finger grip
- Removable drinking cup with handle



| CODE            | COLOUR | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|--------|-----------------|---------------|
| FRCOOLJUGBL005L | Blue   | 4               | 4             |
| FRCOOLJUGO0005L | Orange | 4               | 4             |







# 8 SITE SAFETY

Our Frontier site safety products are tough, durable and designed to keep workers and the public safe.

# SITE SAFETY

## PREVENTION OF ACCIDENTS! THAT'S THE MAIN PURPOSE OF USING SITE SAFETY EQUIPMENT.

Our goal is to ensure both the worker and the public are kept safe through the utilisation of appropriate visual control safety lines for traffic, construction or facility areas.

### FRONTIER'S VISUAL WARNING SAFETY PRODUCTS:

- Highlight potential hazards
- Identify danger and safe zones
- Delineate work or other activity areas.

Our products are treated for UV resistance, feature high visibility materials and use made-to-standard reflective tape where required.



## TRAFFIC CONE

**FRONTIER**  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- High quality PVC
- High intensity orange colour
- Sturdy cone and base
- 450mm and 700mm height
- Sold individually

| CODE          | SIZE  | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|-------|-----------------|---------------|
| FRCONOTFL0450 | 450mm | Each            | 960 pallet    |
| FRCONOTFL0700 | 700mm | Each            | 450 pallet    |



## TRAFFIC CONE WITH SILVER REFLECTIVE TAPE

**FRONTIER**  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- High quality PVC
- 150mm Class 1 reflective
- High intensity orange colour
- Sturdy cone and base
- Provides even greater visibility
- 450mm and 700mm height

| CODE          | SIZE  | PACK QTY<br>MOQ | CARTON<br>QTY |
|---------------|-------|-----------------|---------------|
| FRCONERFL0450 | 450mm | 6               | 960 pallet    |
| FRCONERFL0700 | 700mm | 6               | 450 pallet    |



## PORTABLE REFLECTIVE DELINEATOR/BOLLARD

**FRONTIER**  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- High quality orange PVC
- 900mm height
- 240mm Class 1 reflective
- High intensity orange colour and reflective tape provide excellent visibility - even in low light
- Heavy duty bollard with 6kg or 8kg sturdy base
- Sold individually

| CODE            | SIZE              | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------------------|-----------------|---------------|
| FRBLRDSTMF01200 | 1200mm stem       | Each            | 80            |
| FRBLRDBASBK06KG | 6kg base          | Each            | 40            |
| FRBLRDBASBK08KG | 8kg base          | Each            | 40            |
| FRBLRDKITBK06KG | 6kg stem and base | Each            |               |
| FRBLRDKITBK08KG | 8kg stem and base | Each            |               |



## BUNTING FLAGS - 30M ROLL

**FRONTIER**  
PERSONAL PROTECTION

## FEATURES AND BENEFITS

- 45 heavy duty, reinforced flags stitched to rope
- Durable, high visibility fluorescent PVC triangle flags
- 30 metre length
- Re-usable high strength nylon rope
- Provides excellent visibility for hazard areas

| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRBUNTINGF0030M | 30m roll | Each            | 20            |



## UNION BARRIER MESH - 50M ROLL

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 50m x 9m roll
- Knitted fort material for strength and durability
- UV stabilised to minimise fading
- Bright orange and yellow for visibility



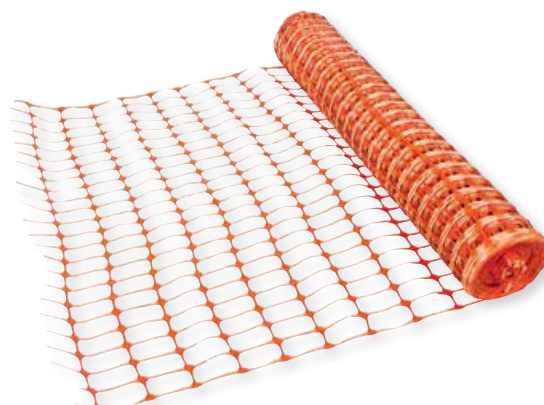
| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRMESHONIO00050 | 50m roll | Each            | 48            |

## PREMIUM BARRIER MESH - 50M ROLL

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- Heavy duty safety fence designed for long term use
- Extruded fort material ensures long term use
- UV stabilised to minimise fading
- Bright orange for visibility
- Easy to roll up for re-use
- 50m x 9m roll



| CODE            | SIZE     | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|----------|-----------------|---------------|
| FRMESHBARO00050 | 50m roll | Each            | 48            |

## BARRIER TAPE

**FRONTIER**  
PERSONAL PROTECTION

### FEATURES AND BENEFITS

- 100m x 75mm roll
- Durable, resilient, tear proof plastic
- Designed for extended outdoor use



| CODE            | SIZE | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|------|-----------------|---------------|
| FRBARRIERR1100M | 100m | Each            | 24            |
| FRDANGERR1100M  | 100m | Each            | 24            |
| FRDANGEROR1100M | 100m | Each            | 24            |
| FRBARRIERYB100M | 100m | Each            | 24            |
| FRCAUTIONYB100M | 100m | Each            | 24            |

## CONE EXTENSION BAR

### FEATURES AND BENEFITS

- A reflective extendable bar that extends to a maximum of 2m
- Suitable for use with cones or bollards to create a portable barrier system
- Safety cones and bollards sold separately

**NEW**



| CODE            | SIZE  | PACK QTY<br>MOQ | CARTON<br>QTY |
|-----------------|-------|-----------------|---------------|
| FRCONEBARBY0000 | to 2m | 1               | 6             |

## PLASTIC CHAIN



### FEATURES AND BENEFITS

- Use to cordon off parking, VIP areas, wet floors or factory areas
- 6mm polyurethane links
- 50 metre roll



| CODE     | COLOUR       | PACK QTY<br>MOQ | CARTON<br>QTY |
|----------|--------------|-----------------|---------------|
| 131006BY | Yellow/Black | Reel            | 1             |
| 131006RW | Red/White    | Reel            | 1             |
| 131006Y  | Yellow       | Reel            | 1             |
| 131006W  | White        | Reel            | 1             |

### COLOURS AVAILABLE

|        |       |        |       |
|--------|-------|--------|-------|
| YELLOW | RED   | YELLOW | WHITE |
| BLACK  | WHITE | YELLOW | WHITE |



# BEAVER BRANDS

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