

DESIGNED
TO PROTECT

FORCE
360

DESIGNED TO PROTECT

VOLUME 1

Force360

DESIGNED TO PROTECT

In the last five years Force360 has become known as the innovative force in the development of unique, task specific PPE for the Australasian market, and is synonymous in the drive to raise the levels of workplace safety through product certification. This determination has seen Force360's industrial hand protection range become the first to be certified by Notified Body BSI Group to Australian/New Zealand Standards, and also European hand protection standards.

A bold brand, Force360 continues its unwavering commitment to develop and bring to market advanced industry first products - the Graphex® range of gloves were the first to incorporate a Graphene based yarn into their construction and provide new levels of mechanical performance with exceptional dexterity. The Air safety spectacle at 16 grams became the world lightest safety eyewear and the introduction of the UK manufactured respiratory range by Corpro®, that utilises innovative features including half face exhalation filters and attachable face shields is a first for the Australian medical sector.

Force360 is proud to service the Australian workforce through a limited network of professional PPE specialist distributors and independent wholesalers, who share and value the same dedication and focus to workplace safety.



Force



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THE Force360 **DIFFERENCE**

1 INNOVATION

Developing and sourcing product with unique features is a hallmark of Force360. From the simple lift-up face visor of the Guardian+ goggle to the enhanced graphene yarn used in Graphex gloves, Force360 continues to innovate and introduce industry-first products.

With innovation comes a brand that stands apart from others and offers a viable alternative for distributors and end-users who seek genuine points of difference, value, and trusted performance.

2 CERTIFICATION

Products in Australia only need to comply with Australian or European Standards; for Force360, this is unacceptable. Compliance with a standard is simply a claim. Certification of products by an independent Notified Body (NB) ensures the product meets the claim. This validation by the NB is vital for ensuring the protection levels are accurate. Indeed in Europe, certification to the latest PPE standards is mandatory; in Australia, not so. Force360 has raised the bar by ensuring its products are certified. A point of difference that ensures Force360 protects to the highest standard and provides peace of mind for the wearer, employer, and distributor.

3 FUNCTION

Functionality should never be underestimated; safety should just work!

Good function is not often recognised, but when paired with reliability, brand trust is created. At Force360, we believe good product functionality is critical. Every Force360 product is Designed to Protect, simply and effectively. You can rely on that.

4 COMFORT

Only products that 'feel right' straight away bear the Force360 logo. With the ever-increasing need for PPE to be worn, comfortable, well-fitted products are essential. All of the Force360 products are fit tested and trialled for user comfort. Try the Force360 24/7 safety spectacle with its exclusive Flexbridge II nose bridge and comfort sidearms. They are designed for all-day comfort, 24 hours a day, seven days a week.

5 DURABILITY

Exhaustive testing is carried out to ensure products work, time and time again. Stress points, moving parts, material strengths, and in-situ trialling are continually tested and performed to ensure our products last the distance. Innovative approaches to durability are continuously sought. The new 18 gauge Cut Level F Graphex® Quantum gloves' abrasion level equates to a glove with extreme longevity that can outlast competitors by up to three times.

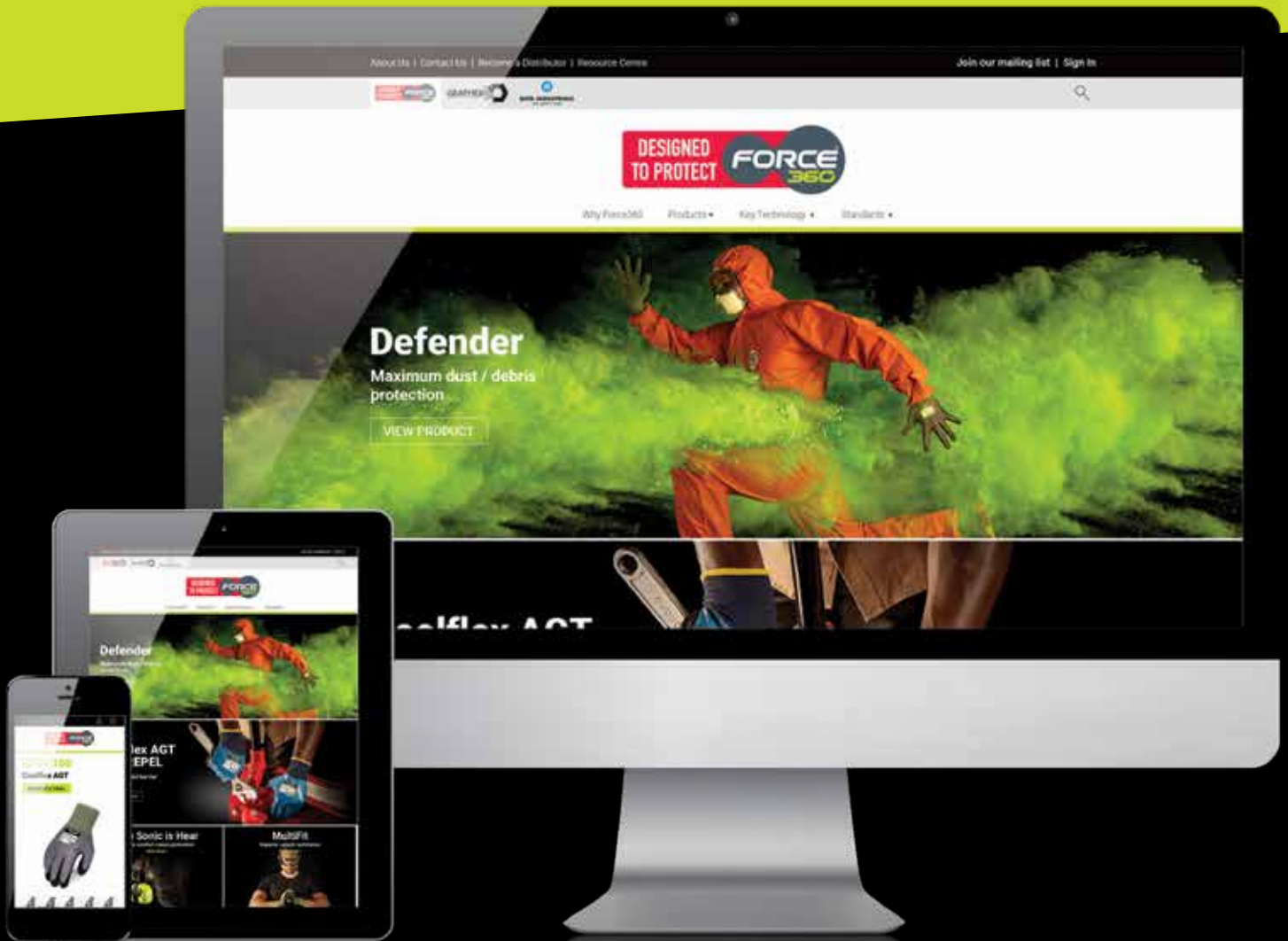
LOCAL SUPPORT **NATIONAL SUPPLY**



With a distribution centre on both the East and West Coast and a Business Development Manager servicing each state, Force360 is setup to support the end user and our distributors nationally in an efficient and professional manner. With our East Coast D.C. supplying Queensland, New South Wales, Victoria and Tasmania and the West Coast D.C. supplying Western Australia, Northern Territory and South Australia, we offer fast and efficient service levels.

We have a dedicated customer support team which is available to discuss any of our products and services, and can help with enquiries relating to your Force360 account.

NEW WEBSITE



View Products



Download Technical Data



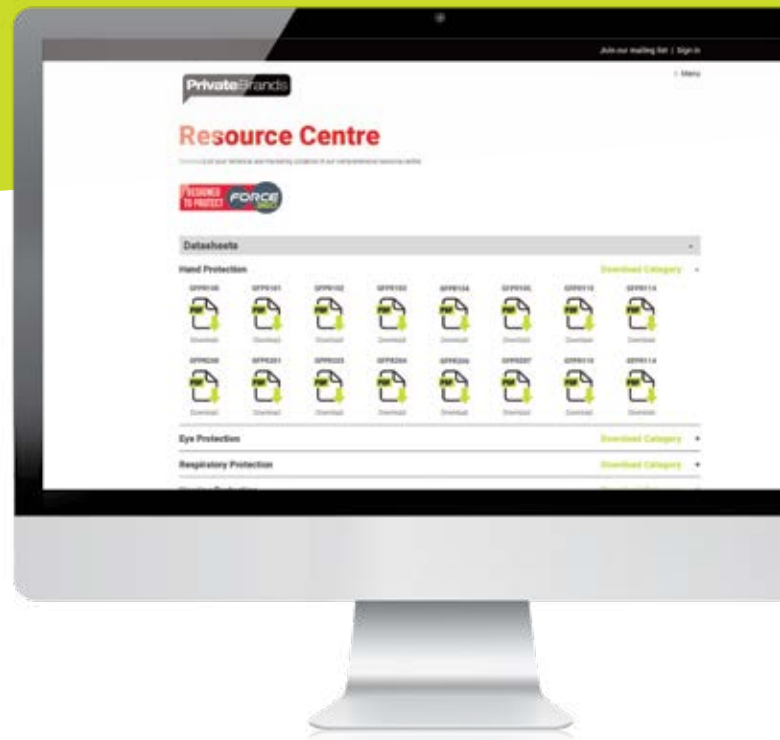
Standards Education



DISTRIBUTOR PORTAL

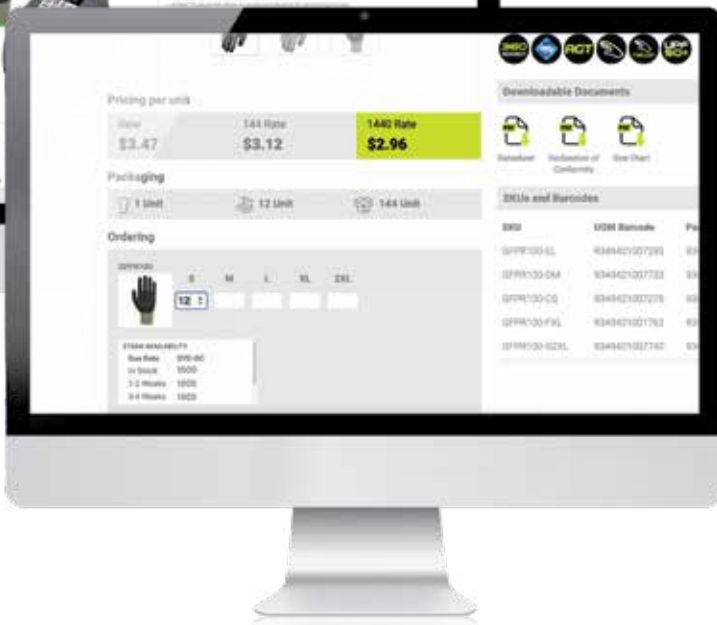
Resource Centre

- Datasheets
- Product images
- Standards information
- Declarations of conformity
- Flyer & catalogue downloads
- Product videos
- Brand logos
- Social media posts



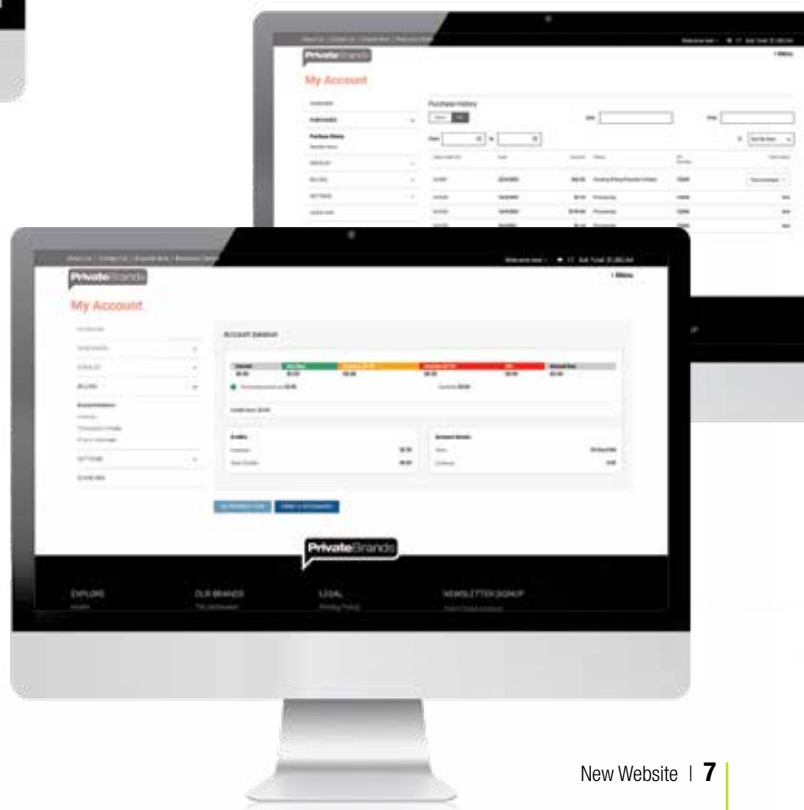
Online Ordering

- Order online
- Live stock
- Bulk ordering
- Quick reordering
- Quick add
- Packaging breakdown
- Customised favourites
- View purchase history
- Track and trace orders
- Customised pricing
- Price breaks



Account Management & Payments

- View account balance
- View statements
- View or print invoices
- Pay invoices
- Pay on account or credit card
- Update account information



SUSTAINABILITY GOALS

A FORCE IN CHANGE

WE SUPPORT



Force360 proudly supports the United Nations Global Compact Sustainable Development Goals (SDG) program, and as a signatory member, looks forward to posting its first Communication on Progress (CoP) report in 2021; outlining the actions and initiatives it has carried out in line with its commitment and obligations to the UNGC and the world in which we live.

Corporate sustainability starts with a company's value system and a principles-based approach to doing business. This means operating in ways that, at a minimum, meet fundamental responsibilities in the areas of human rights, labour, environment and anti-corruption. Responsible businesses enact the same values and principles wherever they have a presence and know that good practices in one area do not offset harm in another.

In late 2020 Force360 decided that the best way to develop its corporate sustainability in a meaningful way was to align its goals with those of the **United Nations Global Compact (UNGC)**.

As a unique initiative of the UN Secretary-General, the United Nations Global Compact is a call to companies everywhere to align their operations and strategies with ten universal principles in the areas of human rights, labour, environment and anti-corruption, and to take action in support of UN goals. With more than 10,000 companies and 3,000 non-business signatories based in over 160 countries, and more than 60 local networks, it is the largest corporate sustainability initiative in the world.

By incorporating the Ten Principles of the UNGC into strategies, policies and procedures, and establishing a culture of integrity, companies uphold their primary essential responsibilities to people and the planet and set the stage for long-term success.

For the UNGC Ten Principles to be realised, transformational change must occur. The **UNGC Social Development Goals (SDGs)** allow businesses a framework to engage with the world and fulfill their commitments and achieve a more sustainable and equitable world for 2030. By aligning itself to these SDGs, **Force360** can make effective change within our own business and actively engage the broader local community in a bid to play its part in this global sustainability initiative.

The UNGC pursues two main objectives:

1. Incorporate the Ten Principles into business activities around the world.
2. Channel actions in support of the broader goals of the United Nations, including its seventeen Sustainable Development Goals (SDGs).



HUMAN RIGHTS

Principle 1

Businesses should support and respect the protection of internationally proclaimed human rights; and

Principle 2

make sure that they are not complicit in human rights abuses.



LABOUR

Principle 3

Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;

Principle 4

the elimination of all forms of forced and compulsory labour;

Principle 5

the effective abolition of child labour; and

Principle 6

the elimination of discrimination in respect of employment and occupation.



ENVIRONMENT

Principle 7

Businesses should support a precautionary approach to environmental challenges;

Principle 8

undertake initiatives to promote greater environmental responsibility; and

Principle 9

encourage the development and diffusion of environmentally friendly technologies.



ANTI-CORRUPTION

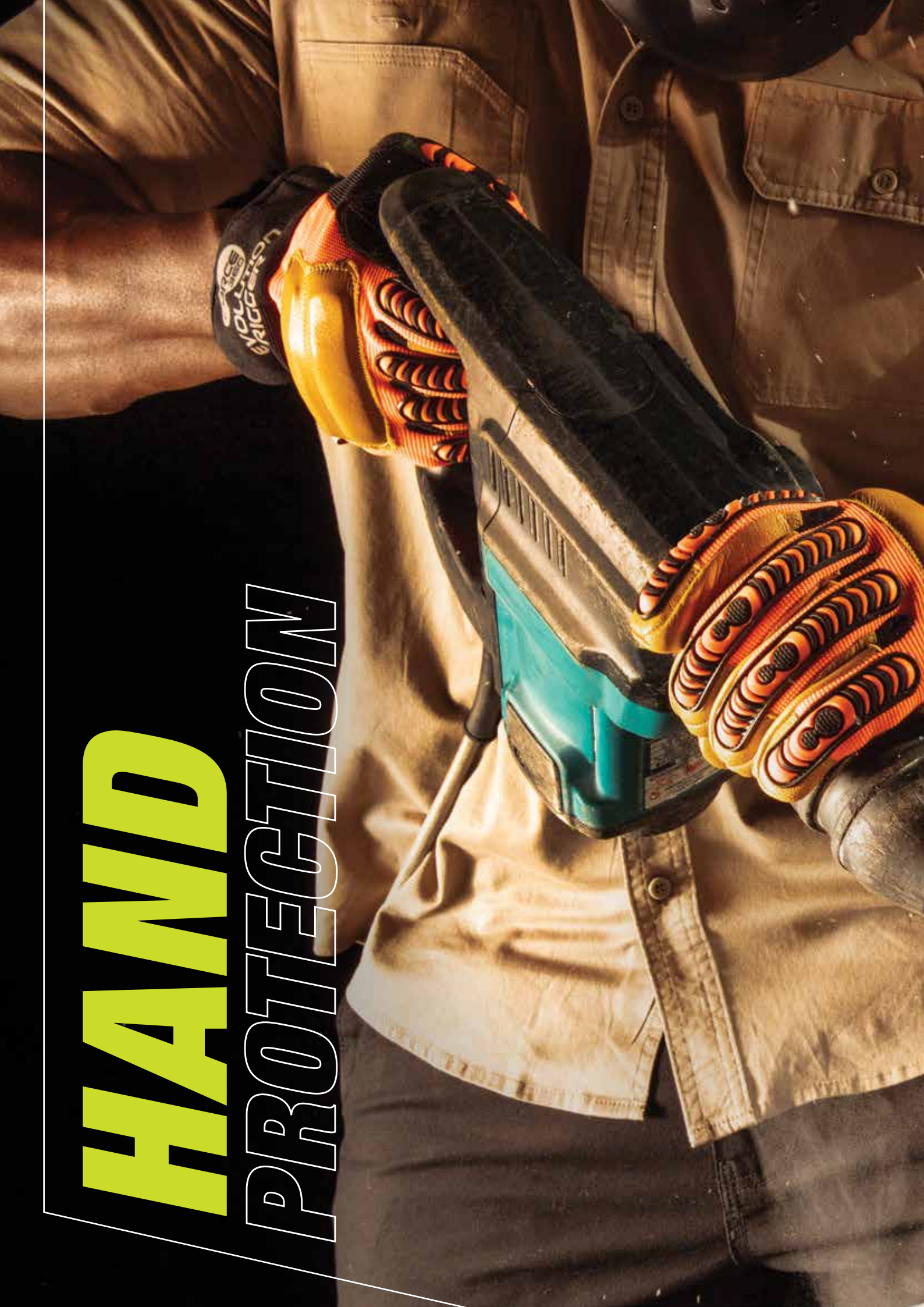
Principle 10

Businesses should work against corruption in all its forms, including extortion and bribery.



HAND

PROTECTION





Hand Protection 10-75

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STANDARDS & CERTIFICATION



AUSTRALIAN STANDARDS

Historically, when developing and updating many Australian & New Zealand Standards (AS/NZS) for hand protection, Standards Australia have turned to their European (CE) counterparts and have adopted their standards for Australia. Additionally, standards developed by the International Organization for Standardization (ISO), of which Standards Australia is a member, have also been adopted. Standards Australia draws on regional, national and international standards under the Australian Standard® name.

This adoption can occur sometime after the relevant original standard has been published. A recent example is AS/NS 2161.3:2020. This standard adopted EN 388:2016 in November 2020, whereas it came into effect in Europe in late 2016. EN 388:2016 is a current European standard and now a current Australian & New Zealand standard.

The time delay is one reason why Force360 has always ensured its range is tested and certified to both AS/NZS and CE hand protection standards, ensuring products are always tested to the latest relevant standard, wherever they may originate.

What is more important than claiming your product meets the latest standard is that your product is *certified* to that standard.

THE DIFFERENCE BETWEEN AUSTRALIAN & EUROPEAN STANDARDS

In Australia, there is no mandatory requirement for manufacturers who supply the Australian and New Zealand market with safety gloves featuring CE performance ratings for attributes such as cut and chemical resistance to provide evidence of testing and certification by an accredited Notified Body.

In Australia, glove manufacturers can undertake their testing and issue compliance statements. Gloves can and are usually sold as compliant only to the relevant standard. In Europe, this is not the case; all products designed to protect against medium-level risks, described by the EU as Category II & III, are subject to mandatory testing and certification by accredited testing authorities.

These stark differences have potentially serious implications. Without certification by a Notified Body, all product and performance claims cannot be independently verified. If they are not as claimed, this could have safety implications for the wearer and legal consequences for the supplier or even the employer who provides the PPE to their employees.

In April 2018, the European Regulation (EU) 2016/425 for personal protective equipment came into force and replaced the old PPE Directive 89/686/EEC. It covers the design, manufacture and marketing of personal protective equipment. It defines the legal obligations that ensure PPE in the EU market provides the highest levels of protection against risks. The Regulation does this in part by placing legal responsibilities upon the manufacturer and states –

- All PPE must be certified to the latest relevant standard(s)
- All PPE certificates now expire and must be periodically renewed to continue being valid
- All PPE must be stored and transported appropriately so as not to compromise it in any way
- Marketing material & product markings must be complete and accurate
- Fitting & usage instructions and any limitations of use must be clearly printed
- All PPE must be identical in every way to its Declaration of Conformity
- The Declaration of Conformity must be available together with the product or available as a download via the online portal.

Manufacturers, importers and distributors alike are legally responsible for meeting the Regulation requirements and have a responsibility to highlight and/or withdraw any PPE they consider to be not meeting the Regulation.

All Force360® and Graphex® gloves have updated to this Regulation through the certification process conducted by BSI Group. All the hand protection products' Declaration of Conformity documents can be viewed online as part of the obligations under the Regulation.

Why do this when we are in Australia, and there is no legal obligation to do so?

Force360® believes in the world's best practice, wherever that may be. Regulation (EU) 2016/425 helps assure that products are amongst the most scrutinized, tested, and evaluated products on the market. Adopting its ethos and following its procedures ensures all of Force360's gloves provide peace of mind for our distributors, and most importantly, for the end-user wearing the product.

The Force360® and Graphex® range of hand protection is certified by BSI Group to the relevant Australian Standards, including AS/NZS 2161.3:2020 and all relevant European Standards, including the EN 388:2016 Standard.

OUR ROAD TO CERTIFICATION

September 2003

EN 388:2003 is published.

EN 388:2003



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May 2005

AS/NZS 2161.3:2005 is published and adopts EN 388:2003.

EN 388:2003



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June 2015

Australia's first complete range of certified gloves are launched and certified to AS/NZS 2161.3:2005 by Force360.



November 2016

EN 388:2003 updated to EN 388:2016

EN 388:2003 can be used for 2 years before the new EU PPE Regulation 2016/425 makes EN388:2016 the mandatory European Standard.

EN 388:2016



XXXXXX

September 2018

Force360 update their entire range to meet the new EU PPE Regulation requirements and certify their range to EN 388:2016 to become Australia's first dual certified range.



May 2019

The Graphex range of hand protection is launched and is immediately certified to AS/NZS 2161.3:2005 and EN 388:2016 and joins Force360 to become Australia's only dual certified range of hand protection.



November 2020

AS/NZS 2161.3:2005 adopts EN 388:2016 and is published as AS/NZS 2161.3:2020.



EN ISO 21420:2020 AS/NZS 2161.2:2020

Occupational Protective Gloves Part 2 - General requirements and test methods

This standard adopts EN ISO 21420:2020 in its entirety, but makes minor modifications for the Australian market.

The new glove standard AS/NZS 2161.2:2020 has been introduced as a replacement for AS/NZS 2161.2:2005 and ensures the materials manufacturers of PPE use in their products do not adversely affect the health or safety of the user. It also responds to the growing trend in standardisation to address the topic of "innocuousness" and takes into consideration the requirements of the EU PPE Regulation in terms of the Essential Health and Safety aspects of Annex II.

AS/NZS 2161.2:2020 specifies the general requirements and relevant test procedures for glove design and construction, innocuousness, comfort and efficiency, as well as the marking and information supplied by the manufacturer applicable to all protective gloves.

KEY CHANGES

- Introduction of a new pictogram for electrostatic properties EN 16350
- Removal of the protein content test in natural rubber gloves
- Introduction of date of manufacture markings
- Removal of minimal glove length requirements, unless required by a specific standard i.e. welding gloves
- Other subtle changes concerning information for users, additional information on donning/doffing, product integrity checks before use

NEW KEY REQUIREMENTS

- Chromium VI content in leather should be no more than 3mg/kg (Test method EN 17075)
- Any metallic materials that could come into contact with the skin shall not release nickel in more than 0.5µg/cm² per week (Test method EN 1811)
- Azo colorants which release carcinogenic amines shall not be detectable (Test method ISO 17234-1 leather or ISO 14362-1 textile)
- pH value shall be between 3.5-9.5 (Test method ISO 4045 leather or ISO 3071 textile)
- DMF (dimethylformamide) shall not exceed 0.1% weight/weight (Test method as per EN 16778)
- The levels of performance should be based on the lowest results obtained before and after cleaning cycles (consideration of care instructions for testing)
- For gloves being worn in explosive environments, the electrostatic properties shall be tested (Test method EN 16350)

REQUIREMENTS TO MEET AS/NZS 2161.2:2020

Glove construction and design

- Gloves have to offer the greatest possible degree of protection in the foreseeable conditions of end use
- When seams are included, the strength of these seams should not reduce the overall performance of the glove

Innocuousness

- The gloves themselves shouldn't cause any harm to the user
- pH value shall be between 3.5-9.5 (Test ISO 4045 leather or ISO 3071 textile)
- Chromium VI content in leather should be no more than 3mg/kg (Test EN 17075)
- Natural rubber gloves shall be tested on extractable proteins as per EN 455-3
- Azo colorants which release carcinogenic amines shall not be detectable (Test method ISO 17234-1 leather or ISO 14362-1 textile)
- DMF (dimethylformamide) shall not exceed 0.1% weight/weight (Test method as per EN 16778)
- Any metallic materials that could come into contact with the skin shall not release nickel in more than 0.5µg/cm² per week (Test method EN 1811)

Cleaning Instructions

- The levels of performance should be based on the lowest results obtained before and after cleaning cycles (consideration of care instructions for testing)

Electrostatic Properties

- Anti-static gloves that are designed to reduce the risk of electrostatic discharges shall be tested as per EN 1149
- For gloves being worn in explosive environments, the electrostatic properties shall be tested (Test method EN 16350)
- Obtained test values are to be reported on the instructions for use
- An electrostatic pictogram shall NOT be used

Water Vapour Transmission and Absorption

- If required, gloves shall allow water vapour transmission (5mg/cm²/hr)
- If a glove excludes water vapour transmission, it should be at least 8mg/cm² for 8 hrs

REQUIREMENTS TO MEET AS/NZS 2161.2:2020 CONTINUED...

Marking & Information

Each glove should be marked with:

- 1 Name of manufacturer
- 2 Glove and size designation
- 3 Date of manufacturing (month & year) (where applicable)
- 4 CE mark and category
- 5 Appropriate pictograms accompanied by the relevant performance levels and the reference of the EN standard

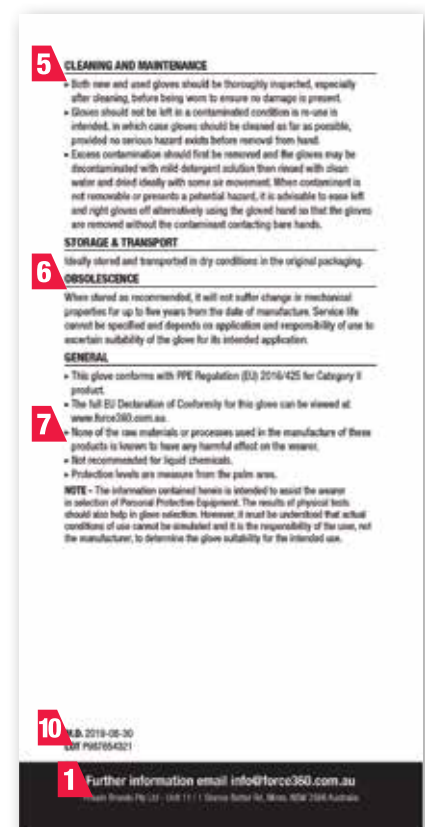
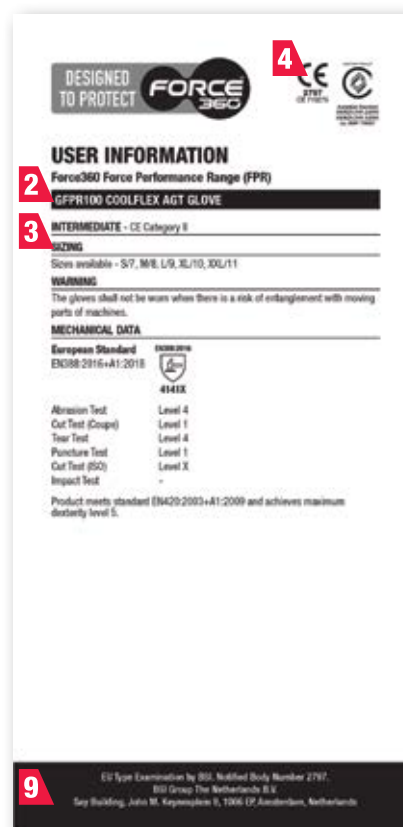
Marking of the packaging immediately containing the gloves should be marked with

- 1 Name and address of the manufacturer or representative
- 2 Glove and size designation
- 3 CE mark and category
- 4 Usage info
 - simple design: 'for minimal risks only' or
 - intermediate design or complex design: relevant pictograms



Instructions for use (insert card)

- 1 Name and address of the manufacturer or representative
- 2 Glove designation
- 3 Size range available
- 4 CE mark and category
- 5 Care and storage instruction
- 6 Instructions and limitations of use
- 7 A list of substances used in the glove which are known to cause allergies
- 8 A list of all substances in the glove shall be made available upon request
- 9 Name and address of notified body that certified the product
- 10 Manufacturing date and batch number



EN 388:2016 AS/NZS 2161.3:2020

Occupational Protective Gloves Part 3 - Protection against mechanical risks

This Australian standard adopted EN 388:2016, A1:2018 in its entirety and came into effect from November 2020. The standard specifies requirements, test methods, marking, and information to be supplied for protective gloves against the mechanical risks of abrasion, blade cut, tear, puncture and, if applicable, impact.

Test Name	Rating
Abrasion	1-4
Cut (Coupe Test)	1-5, X
Tear	1-4
Puncture	1-4
Cut (ISO Test)	A-F
Impact Protection	P, F, X

EN 388:2016



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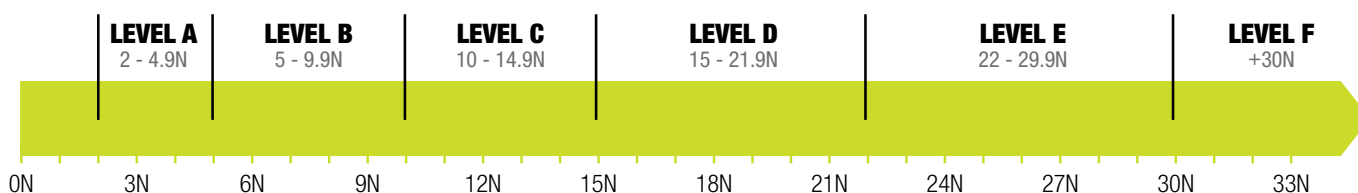
NEW TO AS/NZS 2161.3:2020 - EN ISO 13997 TEST

EN ISO 13997 CUT TEST XXXXX

Gloves engineered for cut resistance commonly have a blunting effect on blades; for this reason, additional cut tests must now be completed and verified. Any fabric that blunts the 'Coupe Blade Cut Test' blade will be marked with an X, and testing using the new EN ISO 13997 test should be carried out.

The new EN ISO 13997 is designed to represent the real-life cut risk experienced in the workplace; this is achieved by applying the sample fabric with great force in a single horizontal movement. The sharp-edge blade is moved along the fabric sample in a single pass, allowing the accurate calculation of the minimum force required to cut the sample material at a distance of 20mm.

EN ISO Cut Resistance	Performance Level Rating
30N (3059g)	F
22N (2243g)	E
15N (1530g)	D
10N (1020g)	C
5N (505g)	B
2N (204g)	A



ABRASION TEST

The abrasion resistance test is carried out using an instrument known as a Martindale tester. The material to be tested is placed on a bed, and a rubbing head of fixed size and pressure, covered with a standard abrasive material, is moved in a circular motion over the test specimen. Pending the abrasion cycle number to breakthrough, the glove receives a score of 1-4 as per the table.

As the abrasion-resistant test attempts to measure 'wear' or how long the glove may last during use, its performance score is essential. In the past, different laboratories may have used other abrasive papers on the tester and got varying scores as a result. Under the revised standard, all independent laboratories must now use a standardised abrasive pad in an attempt to ensure scores are more accurate and can be compared more effectively against each other.

Abrasion Resistance (Cycles)	Performance Level Rating
8000	4
2000	3
500	2
100	1

CUT (COUPE TEST)

Until the EN 388:2016 standard was released, the 'Coupe Blade Cut Test' was the only standard test method for measuring cut protection. A rotating blade moves horizontally across a fabric sample with a fixed force of 5 Newtons. The test is complete when the blade breaks through the fabric, and the result is indicated as an index value. The index value is calculated from the number of cycles required to cut through the fabric as well as the wear and tear on the blade.

The blade is tested for any blunting after 60 cycles. If the blade is blunted after 60 cycles and no breakthrough is evident, or if this test is not carried out, it is recorded with an 'X'.

Cut Index	Performance Level Rating
20	5
10	4
5	3
2.5	2
1.2	1

TEAR TEST

The tear test is carried out by clamping four sample material swatches (taken from the glove's palm) into a standard tensile strength testing machine. The machine moves apart at a speed of 100mm per minute, and the force required to tear the fabric is measured in Newtons. The value is recorded as the lowest value required to tear one of the four samples for single materials. In contrast, each layer is tested for multiple unbonded layers, and the result is taken from the lowest individual result of the most tear-resistant material.

Tear Resistance (Newtons)	Performance Level Rating
70	4
50	3
25	2
10	1

PUNCTURE TEST

The puncture test is carried out by a compression test machine that pushes a 50mm rounded stylus through a sample cut from the glove's palm at a speed of 100mm per minute. The maximum resistance force is recorded and used to give the performance level rating from 1 to 4.

Puncture Resistance (Newtons)	Performance Level Rating
150	4
100	3
60	2
20	1

IMPACT TEST

The impact test is a new addition to EN 388:2016 and is a pass/fail optional test. It is the resistance to a 2.5kg weight impacting 5J (Joules) energy onto the glove. The material may not fracture or split and is measured following EN 13594:2015 as either Pass (P) or Fail (F).

If this test is not carried out, it is recorded with an 'X'.

EN13594:2015	Performance Level Rating
Fracture / Split	Fail
No Change	Pass
Not Tested	X

EN 407:2020 AS/NZS 2161.4:1999

Occupational Protective Gloves Part 4 - Protection against thermal risks (heat and fire)

This standard adopts EN 407:1994 in its entirety; Standards Australia have not updated it to EN 407:2020

European glove standard EN 407:2020 specifies requirements, test methods, marking and information for protective gloves and other protective hand equipment against thermal risks for professional use, consumer and/or domestic use. It is also applicable to PPE protecting the arm.

This test method is used for all gloves and other protective equipment which protect the hands or part of the hand against heat and/or fire in one or more of the following forms: flame, contact heat, convective heat, radiant heat, small splashes or large quantities of molten metal. It is only applicable in conjunction with EN ISO 21420:2020.

EN 407:2020 does not apply to gloves for fire-fighters or welding that have their own standards.

EN 407:2020 utilizes some new test methods and introduces a new symbol for gloves with no flame resistance. Traditionally, household gloves that protect from heat may be thought of as flame resistant under the previous pictogram system that shows a flame, even though they are not. The new pictogram has been developed and must be shown on all gloves claiming EN 407 thermal protection but do not reach level 1 flame spread.

Test Name	Rating
Limited Flame Spread	1-4
Contact Heat Resistance	1-4
Convective Heat Resistance	1-4
Radiant Heat Resistance	1-4
Small Splashes of Molten Metal	1-4
Large Splashes of Molten Metal	1-4

EN 407:2020



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EN 407:2020



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The nature and degree of protection are shown by a pictogram followed by a series of six performance levels that relate to specific protective qualities. The higher the number, the better the test result. The following product features are those tested relative to the specifications of this standard:

LIMITED FLAME SPREAD

Method A of ISO 15025 is now used to determine the flame spread. A new test setup system for the testing machine has been defined to prevent glove shrinkage when the ignition flame is applied. After the flame is applied for 10 seconds, the after-flame time and after-glow constitute the test results scores as per the table. Three gloves must be tested. The lowest result gives the performance level (1-4).

After-Burn Time (seconds)	After-Glow Time (seconds)	Rating
Under 2 seconds	Under 5 seconds	4
Under 3 seconds	Under 25 seconds	3
Under 10 seconds	Under 120 seconds	2
Under 20 seconds	Infinity	1

CONTACT HEAT RESISTANCE

The test method described in EN ISO 12127-1 is to be used to determine the contact heat resistance level of a glove. The entire glove (palm, fingers, etc.) and all its component materials must be tested. Three gloves must be tested. The glove shall protect the wearer from pain for 15 seconds whilst being exposed to an incremental temperature range of 100 to 500°C. Depending on the temperature reached, a score is given (1-4).

Temperature after 15 Seconds (°C)	Rating
500°C	4
350°C	3
250°C	2
100°C	1

CONVECTIVE HEAT RESISTANCE



The test method described in ISO 9151 is to be used. To determine the convective heat resistance of a glove, a laboratory must test three 140×140mm specimens taken from the palm of a glove. If a glove consists of multiple layers, a sample consisting of all the layers must be tested. The lowest result gives the performance level (1-4). However, a score is only recorded if the glove additionally scores a 3 or 4 in the limited flame spread test.

Seconds	Rating
Under 18 seconds	4
Under 10 seconds	3
Under 7 seconds	2
Under 4 seconds	1

RADIANT HEAT RESISTANCE



Test method B described in EN ISO 6942 is used to determine the radiant heat resistance of a glove. Three 80×170mm specimens taken from the back of a glove must be tested. If a glove consists of multiple layers, a sample consisting of all the layers must be tested. The length of time the glove can delay the transfer of heat from a radiant heat source is measured and scored (1-4). A score, however, is only recorded if the glove additionally achieves a 3 or 4 in the limited flame spread test.

Seconds	Rating
Under 15 seconds	4
Under 90 seconds	3
Under 30 seconds	2
Under 5 seconds	1

SMALL SPLASHES OF MOLTEN METAL



The test method described in EN 348 is used to determine the number of drops of molten metal that will increase the temperature between the inside of the glove and the wearer's skin by 40°C. A score is only indicated if the sample obtains a performance level of 3 or 4 in the limited flame spread test.

Number of Drops	Rating
Under 35	4
Under 25	3
Under 15	2
Under 5	1

LARGE SPLASHES OF MOLTEN METAL



The test method described in ISO 9185 determines the glove's resistance to large splashes of molten metal. Three 260×100mm specimens of material, including any seams where necessary, must be tested. The lowest result gives the performance level. Simulated skin is affixed to the inside of the sample glove. Molten metal is then poured over the glove to determine what quantity will damage the artificial skin. If molten metal droplets remain stuck to the glove or the glove ignites, the sample glove will receive a score of 0. X indicates that the test is not applicable.

Grams of Molten Metal	Rating
200g	4
120g	3
60g	2
30g	1

EN 12477:2001+ A1:2005

Protective gloves for welders

This standard describes the design specifications for gloves that provide hand and wrist protection for welding or similar work and should be referred to in conjunction with EN 388 and EN 407. This standard is applicable only in combination with EN ISO 21420. Welding gloves must protect against mechanical hazards and small splashes of molten metal, short contact exposure to limited flame, brief exposure to convective heat, against UV radiant heat from the arc and contact heat.

According to their performance levels, protective gloves for welders are divided into two categories:

Type A - gloves that provide a high degree of protection against heat but are less flexible

Type B - gloves that provide a lower degree of protection against heat but are more flexible

Marking conforms to specifications in EN ISO 21420 and the pictograms in EN 388 and EN 407.

EN 388 Minimum Mechanical Performance Levels

EN 388 Test	Type A	Type B
Abrasion Resistance	2	1
Cut Resistance	1	1
Tear Resistance	2	1
Puncture Resistance	2	1

EN 407 Minimum Thermal Performance Levels

EN 407 Test	Type A	Type B
Limited Flame Spread	3	2
Contact Heat Resistance	1	1
Convective Heat Resistance	2	-
Drops of Molten Metal	3	2

COLD RISKS

EN 511:2006

Protective gloves against cold

There is no current Australian Standard equivalent for EN 511:2006 to measure gloves for protection against cold.

European glove standard EN 511:2006 specifies the requirements and test methods for gloves that protect against convective and conductive cold down to -50°C, as well as water permeability.

Adverse weather conditions or specific industrial applications can have a debilitating effect on hands and productivity. Selecting the correct pair of gloves to protect hands from the cold and wet can be critical. Understanding a glove's thermal protection levels can help select and use the right cold-weather glove and better ensure comfort and warmth for the wearer.

The EN 511 symbol is accompanied by three numbers that rate how well the glove performs in a particular test. With convective and contact cold tests, the higher the number, the better the performance, while water penetration is only marked with either 0 or 1, where 0 signifies the glove failed the test and 1 means the test was successful. If an X appears in place of any score, this means the test was not performed. A glove can, for example, have no water resistance whatsoever but keep hands warm when handling cold objects; such a glove would not usually be tested for water permeability and will have an X marked accordingly.

EN 511:2006



CONVECTIVE COLD



This test method gauges the thermal insulation (TR) of a glove against convective cold. During this test, the glove is placed on an electrically heated artificial hand that measures the amount of power required to maintain 30°C and 35°C in a thermally controlled compartment.

The compartment is then cooled to be 20°C lower than the heated artificial hand, and constant airflow is also applied. The electrical power required to maintain a constant temperature between the surface of the heated artificial hand and the atmosphere in the compartment is measured. The more electrical energy that is required, the lower the thermal insulation value of the glove. The measured ratings and the corresponding performance scores are in the table to the right. This test will indicate how well a glove will insulate and maintain your hand temperature against the surrounding cold air.

Thermal Insulation (TR) in m ² °C/W	Performance Level Rating
>0.30	4
0.22 < TR < 0.30	3
0.15 < TR < 0.22	2
0.10 < TR < 0.15	1

CONTACT COLD



The contact cold test measures a glove's thermal resistance (R) by placing the glove materials between metal plates at different temperatures. The measured temperature drop across the test specimen is then used to calculate its thermal resistance. This test replicates how well a glove protects the wearer when touching or handling cold surfaces and objects.

Thermal Insulation (R) in m ² °C/W	Performance Level Rating
>0.150	4
0.100 < R < 0.150	3
0.050 < R < 0.100	2
0.025 < R < 0.050	1

WATER PENETRATION



Unlike the two tests above, the water penetration test is a simple pass/fail test. Firstly, the glove is submerged in water for 5 minutes. If the glove retains its impermeability, it passes with a Level 1 rating, while the gloves that fail receive a Level 0 rating. Level 1 gloves will keep hands dry as well as warm.

Water Penetration	Performance Level Rating
> 30 mins	Pass
< 30 mins	Fail

EN ISO 374:2016

AS/NZS 2161.10.1/2/3:2005

Occupational Protective Gloves

Part 1 - Protective gloves against chemicals and micro-organisms - Terminology and performance requirements

Part 2 - Protective gloves against chemicals and micro-organisms - Determination of resistance to penetration

Part 3 - Protective gloves against chemicals and micro-organisms - Determination of resistance to permeation by chemicals

Part 1 adopts EN 374-1: 2003 in its entirety. Standards Australia have not updated it to EN 374-1: 2016.

Part 2 adopts EN 374-2: 2014 in its entirety

Part 3 adopts EN 374-3:2003 in its entirety. Standards Australia have not updated it to EN 16523-1: 2015

European glove standard EN (ISO) 374: 2016 Protective gloves against dangerous chemicals and micro-organisms consists of the following:

- ▶ EN ISO 374-1:2016 Terminology and performance requirements for chemical risks.
- ▶ EN 374-2:2014 Determination of resistance to penetration.
- ▶ EN 374-4:2013 Determination of resistance to degradation by chemicals.
- ▶ EN ISO 374-5:2016 Terminology and performance requirements for micro-organisms risks.
- ▶ EN 16523-1:2015 Determination of material resistance to permeation by chemicals.
Permeation by liquid chemical under conditions of continuous contact

EN 374:2016



XXXXXX

According to the standard, gloves are classed as Type A, Type B or Type C depending on their performance level and the number of chemicals they can protect against. The markings below show the performance level and the number of chemicals required for each type:

EN ISO 374-1 / Type A



ABCDEF

Penetration resistance (EN 374-2)
Breakthrough time \geq 30min for at least 6 chemicals
in the new list (EN16523-1)

EN ISO 374-1 / Type B



ABC

Penetration resistance (EN 374-2)
Breakthrough time \geq 30min for at least 3 chemicals
in the new list (EN16523-1)

EN ISO 374-1 / Type C



Penetration resistance (EN 374-2)
Breakthrough time \geq 10min for at least 1 chemicals
in the new list (EN16523-1)

The chemicals used for testing are taken from the defined list below:

Code Letter	Chemical	CAS Number	Class
A	Methanol	67-56-1	Primary Alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile compound
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
E	Carbon disulphide	75-15-0	Sulphur containing organic compound
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic and ether compound
I	Ethyl acetate	141-78-6	Ester
J	n-Heptane	142-85-5	Saturated hydrocarbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid, oxidizing
M	Nitric acid 65%	7697-37-2	Inorganic mineral acid, oxidizing
N	Acetic acid 99%	64-19-7	Organic acid
O	Ammonia 25%	1336-21-6	Organic base
P	Hydrogen peroxide 30%	7722-84-1	Peroxide
S	Hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid
T	Formaldehyde 37%	50-00-0	Aldehyde

Definition of Terms

PENETRATION - When a chemical moves through a pinhole, seam or other imperfection in a glove material at a non-molecular level.

PERMEATION - The absorption of a chemical through the glove material at a molecular level. Breakthrough time is how long it takes for the chemical to move through the material and contact the skin.

DEGRADATION - An adverse change in the glove material after contact with a chemical. Signs of degradation include swelling, disintegration, flaking, brittleness, colour change, dimensional change, hardening or softening. Degradation is tested according to EN 374-4:2013. The degradation percentage must be recorded in the user instructions.

Under EN 374-5, gloves claiming bacteria and fungi protection must pass the penetration resistance test in accordance with standard EN 374-2: 2014. Gloves claiming bacteria, fungi and virus protection must also pass ISO 16604: 2004 (method B) test.

Gloves that meet the above requirement use the pictograms below:

EN ISO 374-5



For gloves offering
protection against
bacteria and fungi.

EN ISO 374-5



For gloves protecting
against bacteria,
fungi and viruses.

A grayscale background image showing a person's hands wearing 360 Applied FPRMX4 gloves. The person is using a power tool, likely a jackhammer, which is visible in the lower half of the frame. The gloves have 'FPRMX4' and '360' branding. The overall scene is industrial and focused on hand protection.

360*applied*[®]

Hand Protection Program

A FORCE IN THE SAFETY INDUSTRY

Workplace hazards are commonplace. Injury and illness are costly to businesses, costing the Australian economy an estimated \$62 billion[^] each year. Identifying hazards is the critical component of PPE selection and can reduce a business' expenditure significantly. Hazards that may be encountered include mechanical, biological, chemical, heat, cold and abrasive surfaces. If these cannot be removed from the workplace, the risk of injury can be substantially minimised through the correct selection of PPE, ensuring the wearer can complete the job safely.

As a market-leading designer and manufacturer of personal protective equipment, Force360® is at the forefront of delivering innovative products and services to various industries around Australia. To manage wearer safety is to manage the correct use of personal protective equipment by ensuring its suitability for the specific application. The 360applied® program helps tailor the PPE selection to your business, providing task-specific solutions for your employees.



\$62b PER YEAR*





HAND PROTECTION PRESENTATION

Force360's range of hand protection has now been available in Australia for several years and encompasses the exclusive Graphex® glove range, incorporating graphene in its construction.

Mining, infrastructure, construction, and the oil and gas sectors are just a few who have seen the benefits of Force360® gloves. 360applied® has formalised this opportunity so that all businesses and industries across Australia can experience and understand the advantages and benefits of using the Force360 hand protection range.

A visit to the site by 360applied showcases the range through a simple but effective presentation that outlines these advantages and culminates in a cut demonstration, where required, to simulate real-life cut scenarios and compare the performance to the current gloves being used onsite. The tailored presentation covers several key areas:

- The Force360 Hand Protection Range
- Advantages of using a Force360 glove
- The Graphex Superior Cut Protection Range
- Abrasion, Cut, Tear & Puncture - how does Graphex compare?
- How Graphex gloves can benefit your workplace
- Our onsite cut machine demonstrates Graphex gloves protection levels against traditional cut resistant gloves



STANDARDS & CERTIFICATION

360applied understands that hand protection standards are ever-changing and are often not fully understood by some. The 360applied program steps employees and employers through the standards in simple language that ensures understanding so that the standard can be effectively applied to actual tasks being performed in the workplace.

360applied Standards and Certification presentation covers the following:

- The differences and similarities between European and Australian Standards
- The meaning and significance behind the performance scores. What does Level F mean? What protection does it give in real terms?
- What symbols to look for and a simple explanation of them – so many gloves today have unclear, multiple or confusing symbols?
- What is a certified product, and what is a compliant product?
- How to ensure your hand protection is certified?
- Certification in Australia and why it should be mandatory

Markings

EN 388:2016



4X43F

CERTIFIED PRODUCT



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027



2797
CE 719275



SITE AUDIT

360Applied offers an onsite hand protection audit service. Our hand protection specialists conduct this free service by analysing, reviewing, and providing a complete comprehensive report on the current hand protection used onsite. The report will, where necessary, make recommendations to offer alternative products that will increase wearer safety, improve productivity, and provide solutions for potential issues like grip, dexterity and comfort for the wearer. Furthermore, the report will look at current usages and expenditure to offer a hand solution package that employees and the business can benefit from.

Key areas of the site audit are:

- In-depth analysis of the application in-situ to gain a comprehensive understanding of the glove's function and requirements
- Formalise mechanical, biological and chemical hazard identification to ensure appropriate protection levels to relevant Australian Standards are always maintained
- Employee engagement - a critical component is to gain insight from the wearer of the gloves. Identification of current limitations and issues along with potential improvements is invaluable information
- A risk analysis matrix is structured based upon historical data, the potential severity of an injury, and its likelihood of occurrence. Appropriate hand protection recommendations can then be made

PROBABILITY

Highly Probable	5 Moderate	10 Major	15 Major	20 Severe	25 Severe
Probable	4 Moderate	8 Moderate	12 Major	16 Major	20 Severe
Possible	3 Minor	6 Moderate	9 Moderate	12 Major	15 Major
Unlikely	2 Minor	4 Moderate	6 Moderate	8 Moderate	10 Major
Rare	1 Minor	2 Minor	3 Minor	4 Moderate	5 Moderate
	Very Low	Low	Medium	High	Very High

IMPACT



RECOMMENDED PRODUCTS

Once the Site Audit is complete, 360Applied identifies and recommends gloves that can offer practical benefits and improved levels of safety to the wearer over current gloves being used. Based upon the Site Audit data, relevant Australian Standards and key glove features, the 360Applied Glove Analysis formally compares existing gloves with 360Applied's recommendations. Each feature and rationale behind the recommendations are explained clearly and offer a clear insight into the gloves capabilities.

Glove Analysis

360applied

Feature	Competitor Glove	Graphex® Armour FFR502	Glove Analysis
Australian Standards Certified AS/NZS 2161.3:2009 AS/NZS 2161.3:2009	No	Nothing Body - ISO Group Li: No. EMP 719027	Graphex® Premier is Australian Standards Certified. The competitor's glove is not certified.
European Standards Certified EN 388:2014, EN 420	No	Nothing Body - ISO Group Li: No. DE 719076	Graphex® Premier is European Standards Certified. The competitor's glove is not certified.
Cut Resistance AS/NZS 2161.3:2009 (Level 1-4)	Level 2 Competitor Glove	Level 5 Certified	Graphex® Premier offers the highest possible level of cut protection under Australian standards. The competitor's glove is a level 2 but is only a compliance claim.
Cut Resistance EN 388:2014 (Level A-F)	No Cut Level Claim	Level F Certified	Graphex® Premier offers the highest possible level of cut protection under European standards. The competitor's glove makes no claim.
Abrasion Resistance AS/NZS 2161.3:2009 (Level 1-4)	Abrasion Level 4 (~4000 cycles) Competitor Glove	Abrasion Level 4 (~4000 cycles) Certified	The Competitor's glove and the Graphex glove claims level 4 abrasion resistance, however only the Graphex® Premier has certified abrasion scores. The Graphex® Premier exceeds level 4 by up to 7000 cycles. The abrasion test simulates wear. The higher test result should indicate a longer lasting glove.
Abrasion Resistance EN 388:2014 (Level 1-4)	No Abrasion Claim	Abrasion Level 4 (~4000 cycles) Certified	The Graphex® Premier is certified level 4. The Graphex® Premier exceeds level 4 by up to 7000 cycles. The abrasion test simulates wear. The higher test result should indicate a longer lasting glove.
Puncture Resistance AS/NZS 2161.3:2009 & EN 388:2014 (Level 1-4)	Puncture Level 1 (~204N) Competitor Glove	Puncture Level 3 (~1004N) Certified	Level 3 puncture must resist breakthrough up to 30 Newtons of force. Level 1 puncture must resist breakthrough up to 100 Newtons of force.
Heat Resistance EN 388:2014 & AS/NZS 2161.3:2009	No Claim	Contact Heat Level 2 Certified	The Graphex® Premier is certified for use for handling hot objects of 250°C for up to 15 seconds. The Competitor's Glove should not be used for any contact heat applications.

Hand Protection Program

Glove Analysis

360applied

Feature	Competitor Glove	Graphex® Armour FFR502	Glove Analysis
Durability (EN420:2003)	N/A	Level 5	Graphex FFR502 has been certified to level 5 durability, the most durable level. The Graphex® level 5 allows for a lighter, stronger glove, whilst maintaining maximum cut resistant protection under EN388:2014.
Reach Compliance (EN420:2003)	N/A	Pass	The Graphex FFR502 is Reach Compliant to ensure they contain no skin irritants or hazardous chemicals and have a skin friendly pH level.
Back of Hand Protection AS/NZS 2161.3:2009 Impact Test	N/A	Level 2	The Graphex® FFR502 offers the high back of hand protection, level 2, according to AS/NZS 2161.3:2009 impact test.
Velcro Wrist Closures	Yes	Yes	Both gloves offer a Velcro wrist closure for increased a more secure fit, and to reduce glove movement in heavy industrial applications.
Thumb Fingerprint Saddle	Yes	Yes	Both have a reinforced thumb and hand/finger saddle to extend the glove's life. Particularly valuable if constantly gripping or using a pulling action during applications (like rope or chain).
Touch Screen Use	N/A	Yes	The Graphex FFR502 can be worn when operating touch-screens including tablets, phones and modern screens.
Antimicrobial Treated	N/A	Yes	The Graphex FFR502 is treated with the antimicrobial agent - Actiback by Sanitized®. This kills bacteria in hot and sweaty conditions that may cause gloves to smell. Actiback keeps gloves fresher for longer. It is a permanent addition and will perform for the duration of the glove.

Hand Protection Program

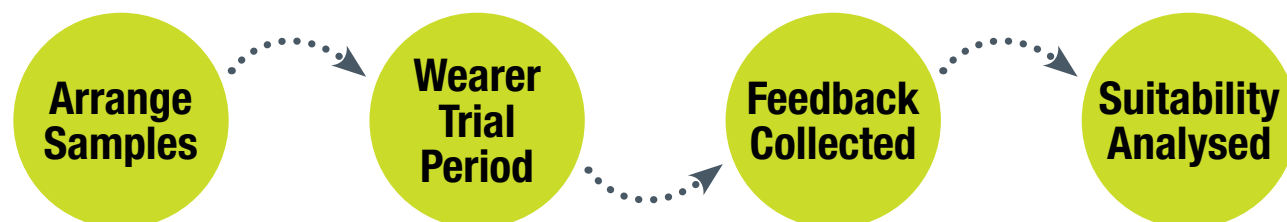
For more information visit Privatebrands.com.au



GLOVE TRIAL

Once 360Applied has presented and gained acceptance of the Glove Analysis recommendations by all stakeholders, the glove trial program takes place. Key drivers for the glove trial are as follows:

- A structured and meaningful timeline is essential for reliable data
- Experienced personnel within the business to wear the gloves for trial purposes
- 360Applied provides a simple but essential formal feedback form to capture the gloves actual performance achievement. Employee feedback is recognised as most important. Comfort, fit, dexterity and ease of use is as important as the protection levels and product longevity
- Glove trial data is collated and reported back to management and staff



COST ANALYSIS

360Applied understands that gloves need to not only offer protection but also need to gain wearer acceptance in order to be viable for a business. A comprehensive analysis will be provided, comparing both volume and cost. Of importance to note is that many factors can affect the real cost as opposed to upfront or perceived costs. Abrasion resistance is one such example. Two gloves may have equal abrasion resistance; however, a Graphex® glove far exceeds the highest abrasion level 4 (8000 cycles) and may not abrade for up to 12,000 cycles, therefore lasting much longer than a standard glove and ensuring significant cost savings.

360Applied Cost Analysis provides a transparent analysis, with the priority to reduce costs from this point forward.





TRAINING & IMPLEMENTATION

360applied's range of tailored training solutions can be provided including presentations, toolbox talks and cut demonstrations. Training focuses on:

- Up-to-date training to the latest glove standards as soon as they are published. 360applied has onsite toolbox training on hand protection standards as well as specific task related hand protection.
- 360applied uses a cut machine to demonstrate the different levels of cut protection that gloves offer. This is a practical and invaluable way to demonstrate 'real life' cut scenarios for employees, and provide them with a meaningful, visual understanding of the importance of hand protection.
- A tailored Glove Selection Chart (see below) is usually the initial development of 360applied's ongoing employee engagement and training. The Glove Selection chart can be updated and modified as application or tasks change within a business and is often presented to employees during implementation.



Glove Selection Chart

360applied

Dexterous Work	Rigging, Dogging	Rattle Guns, Impact Tools	Heating Bearings, Works on Hot Parts	Grinding, Cutting	Manual Handling, Liquid Maintenance	Handling Hazardous Substances	First Aid, Exposure to Biological Risk																		
<p>FPR400 Graphex® Precision</p>  <p>EN407 X10000 X10000 X10000 X10000</p>	<p>FPR502 Graphex® Armour</p>  <p>EN407 X10000 X10000 X10000 X10000</p> <p>Force360 FPRMX30 Evolution Cut 5 Rigger</p>  <p>EN407 X10000 X10000 X10000 X10000</p>	<p>FPR502 Graphex® Armour</p>  <p>EN407 X10000 X10000 X10000 X10000</p> <p>Force360 FPRMX30 Evolution Cut 5 Rigger</p>  <p>EN407 X10000 X10000 X10000 X10000</p>	<p>FPR502 Graphex® Armour</p>  <p>EN407 X10000 X10000 X10000 X10000</p> <p>FPR400 Graphex® Precision</p>  <p>EN407 X10000 X10000 X10000 X10000</p> <p>FPR504 Graphex® LGR</p>  <p>EN407 X10000 X10000 X10000 X10000</p>	<p>Force360 FPRMX30 Evolution Cut 5 Rigger</p>  <p>EN407 X10000 X10000 X10000 X10000</p> <p>FPR400 Graphex® Precision</p>  <p>EN407 X10000 X10000 X10000 X10000</p>	<p>FPR504 Graphex® LGR</p>  <p>EN407 X10000 X10000 X10000 X10000</p>	<p>Force360 Green Nitrile Glove</p>  <p>EN388 2016 A10000 P10000 S10000 T10000</p>	<p>Force360 Black Disposable Nitrile Glove</p>  <p>EN388 2016 A10000 P10000 S10000 T10000</p>																		
<p>Mechanical Scores Explained</p> <p>EN388:2016 / AS/NZS 2161.3:2020 Protection against mechanical risks</p> <p>EN388 2016</p>  <p>1. Abrasion Resistance 2. Cut Resistance, Coup Test 3. Tearing Strength 4. Puncture Resistance 5. Cut Resistance, TDM Test ISO 13997 6. Impact Protection</p> <p>123456</p>																									
<p>EN407 / AS/NZS 2161.4:2020 Protection against thermal risks</p> <p>EN407</p>  <p>1. Fire Properties of the Material 2. Contact Heat 3. Convective Heat 4. Radiant Heat 5. Small Splashes of Molten Metal 6. Large Quantities of Molten Metal</p> <p>123456</p>																									
<p>EN ISO 374 / AS/NZS 2161.10.3 Determination of resistance to permeation by chemicals</p> <p>EN ISO 374 TYPE A</p>  <p>XXXXXXXXXX</p> <table><tr><td>A - Methanol</td><td>G - Diethylamine</td><td>M - Nitric acid 65%</td></tr><tr><td>B - Acetone</td><td>H - Tetrahydrofuran</td><td>N - Acetic acid 99%</td></tr><tr><td>C - Acetonitrile</td><td>I - Ethyl acetate</td><td>O - Ammonium hydroxide 25%</td></tr><tr><td>D - Dichloromethane</td><td>J - n-Heptane</td><td>P - Hydrogen peroxide 30%</td></tr><tr><td>E - Carbon disulphide</td><td>K - Sodium Hydroxide 40%</td><td>S - Hydrofluoric acid 40%</td></tr><tr><td>F - Toluene</td><td>L - Sulphuric acid 96%</td><td>T - Formaldehyde 37%</td></tr></table>								A - Methanol	G - Diethylamine	M - Nitric acid 65%	B - Acetone	H - Tetrahydrofuran	N - Acetic acid 99%	C - Acetonitrile	I - Ethyl acetate	O - Ammonium hydroxide 25%	D - Dichloromethane	J - n-Heptane	P - Hydrogen peroxide 30%	E - Carbon disulphide	K - Sodium Hydroxide 40%	S - Hydrofluoric acid 40%	F - Toluene	L - Sulphuric acid 96%	T - Formaldehyde 37%
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<p>DESIGNED TO PROTECT FORCE 360</p> <p>GRAPHEX</p> <p>© 2020 Plastic Brands Pty Ltd For further technical advice please contact sales@360applied.com.au</p> <p>Hand Protection Program</p>																									



REVIEW PROGRAM

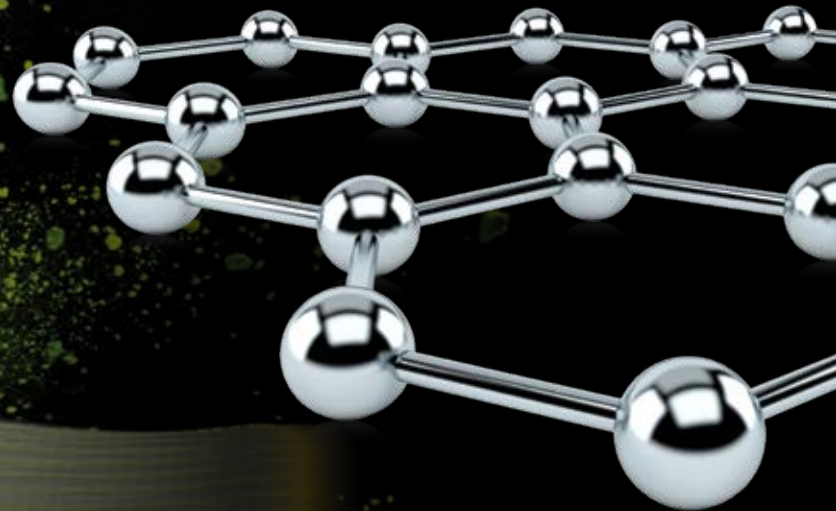
Ongoing evaluation and review to ensure there are continued appropriate hand protection solutions and make sure the steps taken to increase safety have been effective.

The review will be conducted every quarter or as required.

GRAPHEX[®]

GLOVES





A sheet-load of cut resistance

Graphene was created in a lab in 2004 by Geim & Novoselov at the University of Manchester in the UK. Graphene is the first-ever two-dimensional material to be discovered using nanotechnology. It is a one-atom-thick hexagonal lattice sheet structure and now the strongest material known to man. By aligning the lattice sheets of graphene along the yarn's fibre axis, the Graphex® yarn is created. Due to the chemical composition of graphene, the Graphex® yarn has superior levels of abrasion, cut, tear and puncture resistance.

With these advancements in nanotechnology, Force360 is revolutionising hand protection by reaching unparalleled levels of cut protection whilst maintaining comfort and dexterity.

Cut Level F

Certified under Australian Standard AS/NZS 2161.3:2020 and European Standard EN 388:2016

Everything from D to F

As far as cut resistance is concerned, the Graphex® glove range offers cut protection from Level D to Level F. However, Force360 recognises one glove does not cover all applications, so we have created an entire range to service industries from General Assembly through to Oil & Gas.

Whether you need a liquid-resistant glove or TPR back of hand protection, there is a Graphex® glove that will meet your requirements.

GFPR400

Graphex® Precision

- Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity
- High dexterity for precision tasks
- Active Grip Technology for superior use in wet and dry conditions
- Touch screen friendly
- Maximum sun protection

- Extended wear with up to 12,000 abrasion cycles
- Thumb and forefinger saddle
- Neutralises odour creating bacteria to maximise glove freshness
- Ensures wearer comfort in hot conditions



EN 388:2016



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 719027

EN 407:2020



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

- GFPR400.S Small
- GFPR400.M Medium
- GFPR400.L Large
- GFPR400.XL X Large
- GFPR400.2XL 2X Large

1
12
144

CUT LEVEL
D
EN ISO 13997

GFPR505

Graphex® Quantum

- Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity
- High dexterity for precision tasks
- Active Grip Technology for superior use in wet and dry conditions
- Touch screen friendly
- Maximum sun protection

- Extended wear with up to 12,000 abrasion cycles
- Extended thumb and forefinger saddle
- Neutralises odour creating bacteria to maximise glove freshness
- Ensures wearer comfort in hot conditions



EN 388:2016



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 719027

EN 407:2020



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

- GFPR505.S Small
- GFPR505.M Medium
- GFPR505.L Large
- GFPR505.XL X Large
- GFPR505.2XL 2X Large

1
12
144

CUT LEVEL
F
EN ISO 13997

GFPR500

Graphex® Premier

- Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity
- Active Grip Technology for superior use in wet and dry conditions
- Touch screen friendly
- Extended wear with up to 15,000 abrasion cycles

- Thumb and forefinger saddle
- Ensures wearer comfort in hot conditions
- Maximum sun protection
- Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 719027

EN 407:2020



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

- GFPR500.S Small
- GFPR500.M Medium
- GFPR500.L Large
- GFPR500.XL X Large
- GFPR500.2XL 2X Large

1
12
144

CUT LEVEL
F
EN ISO 13997

GFPR501

Graphex® Premier^{EXT}



Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity



Extended cuff for forearm protection



Active Grip Technology for superior use in wet and dry conditions



Touch screen friendly



Maximum sun protection



Extended wear with up to 15,000 abrasion cycles



Thumb and forefinger saddle



Ensures wearer comfort in hot conditions



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



CERTIFIED PRODUCT



EN 407:2020



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

● GFPR501.S	Small	1	
● GFPR501.M	Medium	12	
● GFPR501.L	Large	144	
● GFPR501.XL	X Large		
● GFPR501.2XL	2X Large		



GFPR504

Graphex® LQR



Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity



Liquid barrier to keeps hands dry



Active Grip Technology for superior use in wet and dry conditions



Touch screen friendly



Extended wear with up to 15,000 abrasion cycles



Thumb and forefinger saddle



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



CERTIFIED PRODUCT



EN 407:2020



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

● GFPR504.S	Small	1	
● GFPR504.M	Medium	12	
● GFPR504.L	Large	144	
● GFPR504.XL	X Large		
● GFPR504.2XL	2X Large		



GFPR530

Graphex® Premier Armsleeve



Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity



Velcro closure for a secure fit



Hex-zone silicon grip on forearm



Ensures wearer comfort in hot conditions



Maximum sun protection



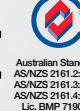
Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



CERTIFIED PRODUCT



EN 407:2020



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

● GFPR530	OSFA
-----------	------

6	
36	



GFPR502

Graphex® Armour



Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity



Back of hand impact protection



Active Grip Technology for superior use in wet and dry conditions



Touch screen friendly



Maximum sun protection



Extended wear with up to 15,000 abrasion cycles



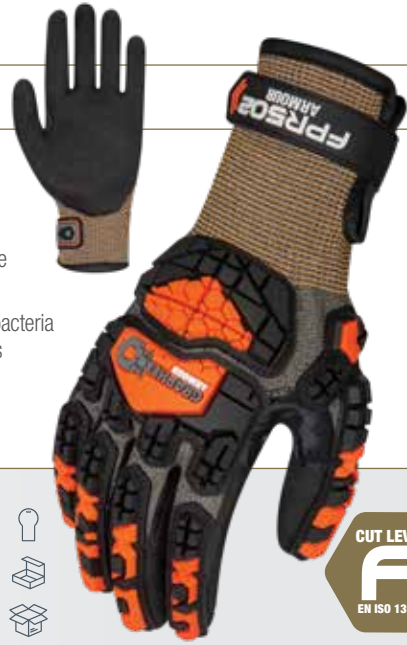
Thumb and forefinger saddle



Neutralises odour creating bacteria to maximise glove freshness



Ensures wearer comfort in hot conditions



EN 388:2016



4X43FP



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. GMP 716027

EN 407:2020



X2XXXX



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

- GFPR502.S Small
- GFPR502.M Medium
- GFPR502.L Large
- GFPR502.XL X Large
- GFPR502.2XL 2X Large

1



6



72



CUT LEVEL



EN ISO 13997

GFPR506

Graphex® Quantum+



Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity



Back of hand impact protection



Active Grip Technology for superior use in wet and dry conditions



Touch screen friendly



UPF 50+ Maximum sun protection



Extended wear with up to 12,000 abrasion cycles



Extended thumb and forefinger saddle



Neutralises odour creating bacteria to maximise glove freshness



Ensures wearer comfort in hot conditions



CUT LEVEL
F
EN ISO 13997

EN 388:2016



4X42FP



2797
CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. EMP 719027

EN 407:2020



X1XXXX



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100

● GFPR506.S	Small	1	
● GFPR506.M	Medium	6	
● GFPR506.L	Large	6	
● GFPR506.XL	X Large	72	
● GFPR506.2XL	2X Large	72	

Make an Impact!

As there have been many industrial safety gloves coming to market recently with various back of hand raised rubber patterns claiming impact protection, a need to measure their protection claims has become ever more critical.

EN 388:2016 now tests these impact gloves and scores their performance with a Pass or Fail. The test involves dropping a striker from a fixed height onto the knuckle area four times and measuring the force transmitted through the glove. If the mean transmitted force is less than 7kN, it passes. The rationale here is that if the glove passes, it offers the wearer a minimum protection standard.

The ANSI/ISEA 138 tests these impact gloves and scores their performance with a Level 1, 2 or 3. Under this test, the striker drops 18 times, not only onto the knuckles but also the fingers and thumb. If the mean transmitted force is less than 4kN, it scores Level 3, less than 6kN it scores level 2 and less than 9kN, it achieves Level 1.

The ANSI/ISEA 138 test uses a more rigorous test method and provides a more informative and comprehensive understanding of a glove's protection for the wearer.

Though there is no requirement to test gloves to this ANSI/ISEA standard in Australia, at Force360, we want to supply gloves that offer the highest protection possible. We decided to test our new Graphex® Armour and Quantum+ to not only EN 388:2016 Impact but also ANSI/ISEA 138 Impact.

How did the Graphex® Armour and Quantum+ perform?

EN 388:2016 – Impact PASS

ANSI/ISEA 138 – Impact LEVEL 2

EN 388 Impact Standard

Tests Knuckle Only



Pass / Fail ≤ 7 kN

ISEA 138 Impact Standard

Tests Knuckle and Fingers



Level 1 ≤ 9 kN
Level 2 ≤ 6.5 kN
Level 3 ≤ 4 kN

SYNTHETIC SEALING GLOVES



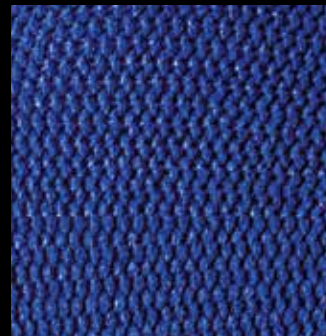
SYNTHETIC LINERS & YARNS

General Purpose



Nylon Spandex

Nylon spandex liners are built with comfort and durability in mind. Many FPR non-cut gloves use a nylon-spandex liner to ensure enhanced comfort through flexibility, softness and breathability. Nylon spandex liners are available in 15 and 18 gauge.



Polyester

Polyester liners are found in several non-cut WORX gloves like our popular GWORX100 and GWORX101. Polyester provides a simple, cost-effective alternative to nylon-spandex whilst maintaining good breathability, dexterity and comfort.

Cut Resistant



Sinomac™

Sinomac is an engineered cut resistant yarn that brings coolness to the hand and excellent dexterity due to the gloves thinness. Sinomac is found in several Force360 FPR Series cut resistant gloves.



HPPE & Glass

High-performance polyethylene (HPPE) and glass fibre has been an industry favourite for years, offering a cost-effective solution for many cut-resistant applications.



SilkFlex™

Glass and steel wire-free - SilkFlex is amongst the softest and most flexible cut-resistant yarns in our range. SilkFlex uses a specifically engineered HPPE to create a silk-like feel whilst providing moderate cut protection levels. It is ideally suited for people who have to wear gloves all day and appreciate comfort and coolness whilst working.



Aramid FR

Aramid yarn is known for its high strength, heat resistance and strong fabric integrity even at high temperatures. Often used for protection during heat and cut exposure applications. It is also abrasion-resistant and resistant to many chemicals and organic solvents. Aramid FR does not melt, and when combined with steel wire and other engineered yarns, these composites can improve the yarns mechanical performances.

OUR COATINGS

Active Grip Technology (AGT)

Force360's premier proprietary nitrile based coating. Found across many of the FPR and Graphex gloves, the AGT coating provides exceptional wet, dry and oil grip.

Wet Grip	
Dry Grip	
Durability	

AGT Wet

The AGT Wet coating provides all of the benefits of the original AGT coating, with a secondary coating underneath giving the wearer a 360° liquid barrier.

Wet Grip	
Dry Grip	
Durability	

AGT Oil

Like the AGT Wet coating, the AGT Oil uses a secondary layer to repel liquids from penetrating the glove. However, the AGT Oil only utilises the secondary barrier on the gloves front palm and finger areas, ensuring the back of the hand remains breathable.

Wet Grip	
Dry Grip	
Durability	

Sandy Nitrile

The sandy texture creates a non-slip grip that's good for heavy oils and liquids. Perfect for abrasion, puncture, cut, and snag resistance, this is a common choice for construction, mining and heavy metal stamping industries that require excellent wet, dry and oil grip.

Wet Grip	
Dry Grip	
Durability	

Micro Sandy

Similar in performance to sandy nitrile coating, the micro sandy coating offers excellent all-round performance. The micro sandy coating is a thinner coating allowing increased tactility and is better suited to delicate work applications.

Wet Grip	
Dry Grip	
Durability	



Polyurethane (PU)

The lightest, softest, and most flexible coating, polyurethane offers the best dexterity and tactile sensitivity, making it a popular choice for comfort and grip. Ideal for handling small parts, it's also effective in lighter oil conditions.

Wet Grip	
Dry Grip	
Durability	



Bi-Polymer

Bi-Polymer coating combines sandy nitrile and polyurethane to form a 'best of both worlds' coating. Abrasion resistance and solvent degradation is minimised, and the hi-vis yellow colour enhances visual safety.

Wet Grip	
Dry Grip	
Durability	



Crinkle Latex

Latex-coated gloves are soft and dexterous. Arguably, the latex coating has the best dry grip available and, for this reason, is often the choice when handling smooth flat surfaces such as glass. Latex withstands both high temperatures and tearing.

Wet Grip	
Dry Grip	
Durability	



Foam Latex

Like crinkle-cut latex, a foam latex coating has all the same benefits of exceptional dry grip and good resistance to snagging. The microfoam process increases the gripping power when liquids are present.

Wet Grip	
Dry Grip	
Durability	



Foam Neoprene

When exposed to heat and flame, neoprene does not melt or drip, making it the perfect solution on heat-resistant and arc flash gloves. Extremely supple with excellent resistance to chemical contact, neoprene is an outstanding multi-purpose polymer.

Wet Grip	
Dry Grip	
Durability	



GFPR100

Coolflex AGT



A premium liner enhanced for comfort, flexibility and breathability



Leading proprietary coating provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



● GFPR100.S	Small
● GFPR100.M	Medium
● GFPR100.L	Large
● GFPR100.XL	X Large
● GFPR100.2XL	2X Large

1



12



144



GFPR101

Coolflex AGT Hi-Vis



A premium liner enhanced for comfort, flexibility and breathability



Leading proprietary coating provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



High-visibility liner for increased safety awareness



Ensures wearer comfort in hot conditions



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



● GFPR101.S	Small
● GFPR101.M	Medium
● GFPR101.L	Large
● GFPR101.XL	X Large
● GFPR101.2XL	2X Large

1	
12	
144	

GFPR102

Coolflex AGT Winter



A premium liner enhanced for comfort, flexibility and breathability



Leading proprietary coating provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Breathable brushed terry lining is used to keep hands warm from extreme cold



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



● GFPR102.S	Small
● GFPR102.M	Medium
● GFPR102.L	Large
● GFPR102.XL	X Large
● GFPR102.2XL	2X Large

1	
6	
72	

GFPR103

Coolflex AGT Ultra Hi-Vis



A premium liner enhanced for comfort, flexibility and breathability



Leading proprietary coating provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



High dexterity 18 gauge liner for precision tasks



High-visibility liner for increased safety awareness



Ensures wearer comfort in hot conditions



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



● GFPR103.S	Small
● GFPR103.M	Medium
● GFPR103.L	Large
● GFPR103.XL	X Large
● GFPR103.2XL	2X Large

1	
12	
144	



GFPR104

Coolflex AGT Wet Repel



A premium liner enhanced for comfort, flexibility and breathability



Leading proprietary coating provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



360° liquid barrier protection



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



4141X



2797

CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027



● GFPR104.S	Small
● GFPR104.M	Medium
● GFPR104.L	Large
● GFPR104.XL	X Large
● GFPR104.2XL	2X Large

1



12



144



GFPR105

Coolflex AGT Oil Repel



A premium liner enhanced for comfort, flexibility and breathability



Leading proprietary coating combines a palm liquid barrier with an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Palm liquid barrier to keep hands dry



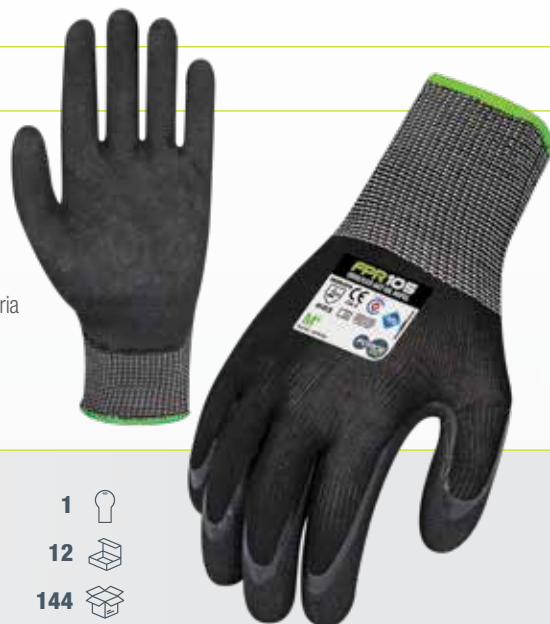
Back of hand breathability for comfort



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



- GFPR105.S Small
- GFPR105.M Medium
- GFPR105.L Large
- GFPR105.XL X Large
- GFPR105.2XL 2X Large

1
12
144

GFPR110

Redback Latex



A premium liner enhanced for comfort, flexibility and breathability



Provides outstanding dry grip and a soft dexterous feel



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



- GFPR110.S Small
- GFPR110.M Medium
- GFPR110.L Large
- GFPR110.XL X Large
- GFPR110.2XL 2X Large

1
12
144

GFPR114

Coolflex AGT Winter Wet Repel



A premium liner enhanced for comfort, flexibility and breathability



Leading proprietary coating provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Breathable brushed terry lining is used to keep hands warm from extreme cold



360° liquid barrier protection



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness

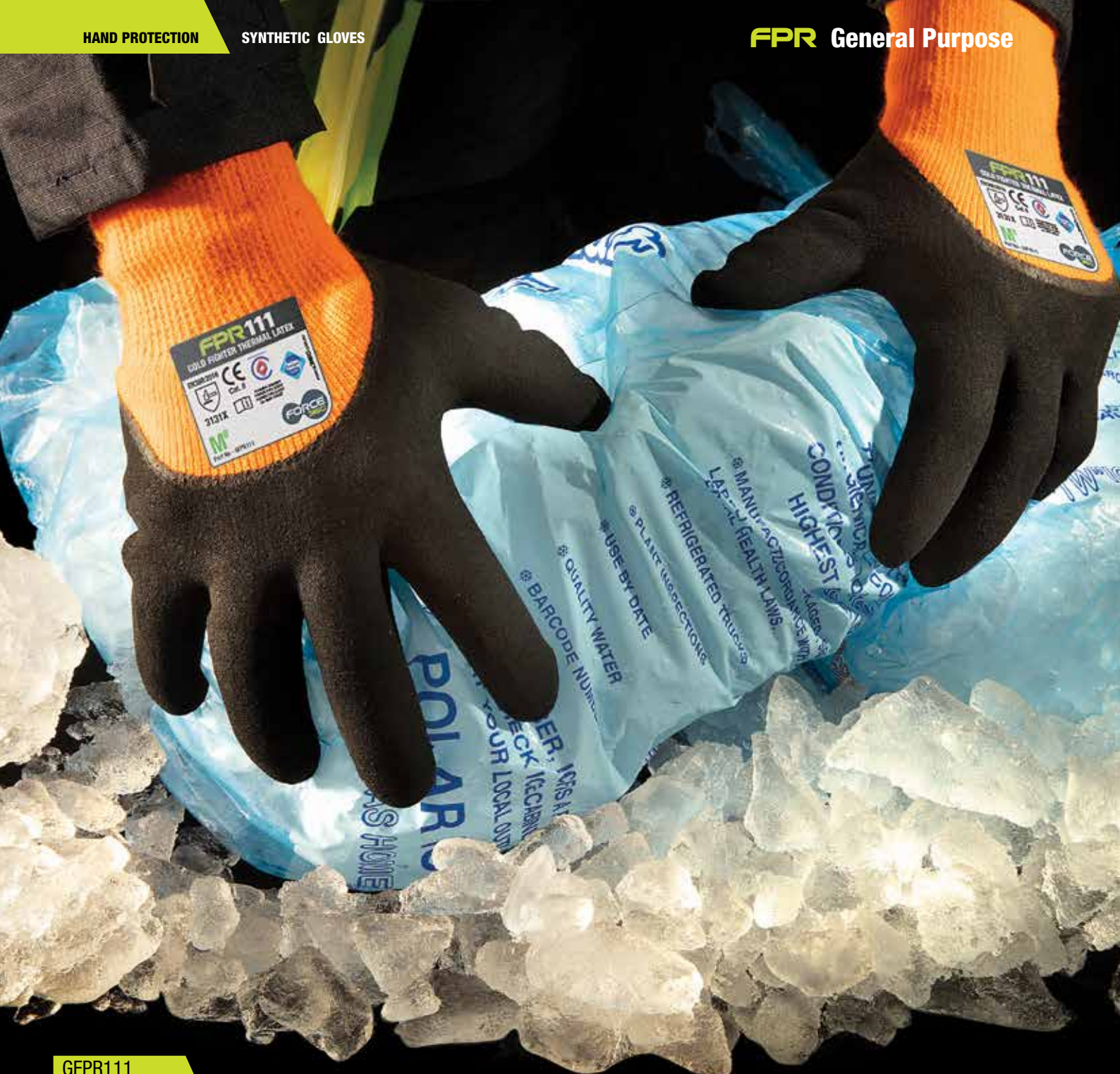


EN 388:2016



- GFPR114.S Small
- GFPR114.M Medium
- GFPR114.L Large
- GFPR114.XL X Large
- GFPR114.2XL 2X Large

1
6
72



GFPR111

Cold Fighter Thermal Latex



A premium liner enhanced for comfort, flexibility and breathability



Provides outstanding dry grip and a soft dexterous feel



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Breathable brushed terry lining is used to keep hands warm from extreme cold



360° liquid barrier protection keeps hands dry



High-visibility liner for increased safety awareness



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



EN 388:2016



3131X

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027



● GFPR111.S	Small
● GFPR111.M	Medium
● GFPR111.L	Large
● GFPR111.XL	X Large
● GFPR111.2XL	2X Large

1



6



72



GFPR121

Bi-Polymer Cut Resistant Hi-Vis

-  An economy liner with medium levels of cut resistance
-  Bi-polymer coating provides good mechanical strength and exceptional grip and flexibility
-  Resists oil and solvent degradation
-  Touch screen friendly
-  High-visibility liner for increased safety awareness
-  Precurved design ensures a 'hand at rest' feel for fatigue reduction
-  Maximum sun protection
-  Neutralises odour creating bacteria to maximise glove freshness



CUT LEVEL
C
EN ISO 13997

EN 388:2016



- GFPR121.S Small
- GFPR121.M Medium
- GFPR121.L Large
- GFPR121.XL X Large
- GFPR121.2XL 2X Large

1 
12 
144 

GFPR200

Titanium 3

-  Engineered cut resistant fabric that offers superior breathability and hand coolness
-  Provides assured fine work handling and oil resistance with good wet/dry grip
-  Precurved design ensures a 'hand at rest' feel for fatigue reduction
-  Ensures wearer comfort in hot conditions
-  Maximum sun protection
-  Neutralises odour creating bacteria to maximise glove freshness



CUT LEVEL
C
EN ISO 13997

EN 388:2016



- GFPR200.S Small
- GFPR200.M Medium
- GFPR200.L Large
- GFPR200.XL X Large
- GFPR200.2XL 2X Large

1 
12 
144 

GFPR201

Titanium 5

-  Engineered cut resistant fabric that offers superior breathability and hand coolness
-  Provides assured fine work handling and oil resistance with good wet/dry grip
-  Precurved design ensures a 'hand at rest' feel for fatigue reduction
-  Ensures wearer comfort in hot conditions
-  Maximum sun protection
-  Neutralises odour creating bacteria to maximise glove freshness



CUT LEVEL
E
EN ISO 13997

EN 388:2016



- GFPR201.S Small
- GFPR201.M Medium
- GFPR201.L Large
- GFPR201.XL X Large
- GFPR201.2XL 2X Large

1 
12 
144 



AVAILABLE COLOURS



GFPR203



GFPR204



GFPR206





GFPR207

Ambidextrous Design



Cut Resistant Food Grade Glove

12 Singles  144 Singles 



Engineered cut resistant fabric that offers superior breathability and hand coolness



Neutralises odour creating bacteria to maximise glove freshness



High-visibility liner for increased safety awareness (GFPR206/7)



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions

EN 388:2016



- GFPR203.S Small
- GFPR203.M Medium
- GFPR203.L Large
- GFPR203.XL X Large
- GFPR203.2XL 2X Large

- GFPR204.S Small
- GFPR204.M Medium
- GFPR204.L Large
- GFPR204.XL X Large
- GFPR204.2XL 2X Large

- GFPR206.S Small
- GFPR206.M Medium
- GFPR206.L Large
- GFPR206.XL X Large
- GFPR206.2XL 2X Large

- GFPR207.S Small
- GFPR207.M Medium
- GFPR207.L Large
- GFPR207.XL X Large
- GFPR207.2XL 2X Large



**NEW
PRODUCT†**

GFPR208

Cut Resistant Arc FR



Kevlar blended cut resistant fabric that offers superior breathability and hand coolness



Chemical and flame resistant and provides a soft assured grip in wet & dry applications



Precurved design ensures a 'hand at rest' feel for fatigue reduction



NFPA 70E Arc Flash - Test Method/Standard:
ASTM F2675-13 - Result: Hazard/Risk Category
(HRC) 2 - ARC Rating (ATPV) 12.4 cal/cm²



Ensures wearer comfort in hot conditions



Maximum sun protection



Neutralises odour creating bacteria to maximise glove freshness



Contact Heat Level 1 for handling hot objects

EN 388:2016



4X41E



2797
CE 719275



Australian Standard
AS/NZS 2181.2:2020
AS/NZS 2181.3:2020
Lic. BMP 719027

EN 407:2020



41212X

- GFPR208.S Small
- GFPR208.M Medium
- GFPR208.L Large
- GFPR208.XL X Large
- GFPR208.2XL 2X Large

1



12



72



CUT LEVEL
E
EN ISO 13997

†Refer to pricelist for product availability dates

GWORX100

Eco Sand Nitrile



An economy liner for comfort, flexibility and breathability



Provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging available (see pg 68)



EN 388:2016



4121X



2797
CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027

- GWORX100.S Small
- GWORX100.M Medium
- GWORX100.L Large
- GWORX100.XL X Large
- GWORX100.2XL 2X Large

12

144

GWORX101

Eco PU



An economy liner for comfort, flexibility and breathability



Provides assured fine work handling and oil resistance with good wet/dry grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging available (see pg 68)



EN 388:2016



3141X



2797
CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027

- GWORX101.S Small
- GWORX101.M Medium
- GWORX101.L Large
- GWORX101.XL X Large
- GWORX101.2XL 2X Large

12

144

GWORX111

Eco Bi-Polymer Hi-Vis



An economy liner for comfort, flexibility and breathability



Bi-polymer coating provides good mechanical strength and exceptional grip and flexibility



Resistant to oil and solvent degradation



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



EN 388:2016



3141X



2797
CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027

- GWORX111.S Small
- GWORX111.M Medium
- GWORX111.L Large
- GWORX111.XL X Large
- GWORX111.2XL 2X Large

12

144

GWORX201

Cut Resistant PU



An economy liner with high levels of cut resistance



Provides assured fine work handling and oil resistance with good wet/dry grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging available (see pg 69)



EN 388:2016



4X43C



2797

CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027

- GWORX201.S Small
- GWORX201.M Medium
- GWORX201.L Large
- GWORX201.XL X Large
- GWORX201.2XL 2X Large

12

144

CUT LEVEL
C
EN ISO 13997

GWORX202

Cut Resistant Hi-Vis PU



An economy liner with high levels of cut resistance



Provides assured fine work handling and oil resistance with good wet/dry grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



High-visibility liner for increased safety awareness



Ensures wearer comfort in hot conditions



Maximum sun protection



EN 388:2016



4X44C



2797

CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027

- GWORX202.S Small
- GWORX202.M Medium
- GWORX202.L Large
- GWORX202.XL X Large
- GWORX202.2XL 2X Large

12

144

CUT LEVEL
C
EN ISO 13997

GWORX203

Cut Resistant Sand Nitrile



An economy liner with high levels of cut resistance



Provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging available (see pg 69)



EN 388:2016



4X43C



2797

CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027

- GWORX203.S Small
- GWORX203.M Medium
- GWORX203.L Large
- GWORX203.XL X Large
- GWORX203.2XL 2X Large

12

144

CUT LEVEL
C
EN ISO 13997



GWORX204

Cut Resistant Hi-Vis Latex



An economy liner with high levels of cut resistance



Provides outstanding dry grip and a soft dexterous feel



Precurved design ensures a 'hand at rest' feel for fatigue reduction



High-visibility liner for increased safety awareness



Maximum sun protection



CUT LEVEL
C
EN ISO 13997

EN 388:2016



- GWORX204.S Small
- GWORX204.M Medium
- GWORX204.L Large
- GWORX204.XL X Large
- GWORX204.2XL 2X Large

12 
144 

GWORX301

Cut Resistant Sand Nitrile



Suited to applications requiring cut resistance and high levels of comfort



Provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



CUT LEVEL
B
EN ISO 13997

EN 388:2016



- GWORX301.S Small
- GWORX301.M Medium
- GWORX301.L Large
- GWORX301.XL X Large
- GWORX301.2XL 2X Large

12 
144 

MECHANICS

GLOVES



MECHANICS PALMS



Reinforced Palm

ProForce reinforced palm utilises a Kevlar construction base to provide excellent grip, abrasion resistance and protection from jagged objects.



Silicone Grip Palm

Strategically placed silicone grip palm offers enhanced grip particularly suited for handling dry & shiny surfaces like glass and steel.



Pressed Palm

Premium Enduro synthetic pressed palm provides good abrasion resistance, colourfastness and is 0.8mm in thickness. An effective general-purpose palm for multi-purpose applications.



Gel Palm

Force360's 3.5mm GelPan padding is strategically placed to absorb vibrations and improve grip in heavy conditions. It performs exceptionally well with power and pneumatic tools.



PVC Dot Palm

PVC dots add structure and strength when fused into the palm of a glove and assist with handling heavy tools and objects.



Leather Palm

Force360 undergoes strict quality assurance testing of its leather gloves to ensure the thickness is consistent and follow minimum and maximum levels. The leather suppleness is periodically checked.

EN ISO 21420:2020 testing ensures PH levels are within acceptable levels, and there is no presence of chromium or any other skin irritants. Sizing and fit checks are also carried out. Leather provides good resistance to heat and performs well for general purpose applications.

GFPRMX1

Optima



Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



2.5mm Neosorb padding absorbs vibrations and improves grip



Double stitched high wear areas for increased product life



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit



EN 388:2016



3242A

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX1.S Small
- GFPRMX1.M Medium
- GFPRMX1.L Large
- GFPRMX1.XL X Large
- GFPRMX1.2XL 2X Large

1



12



72



GFPRMX2

Optima HV



Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



2.5mm Neosorb padding absorbs vibrations and improves grip



Double stitched high wear areas for increased product life



High-visibility liner for increased safety awareness



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit



EN 388:2016



3243A

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX2.S Small
- GFPRMX2.M Medium
- GFPRMX2.L Large
- GFPRMX2.XL X Large
- GFPRMX2.2XL 2X Large

1



12



72



GFPRMX3

Armour



Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness



Provides exceptional abrasion resistance across the palm area



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



TPR back of hand impact protection



Double stitched high wear areas for increased product life



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit



EN 388:2016



4243AX

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX3.S Small
- GFPRMX3.M Medium
- GFPRMX3.L Large
- GFPRMX3.XL X Large
- GFPRMX3.2XL 2X Large

1



12



72







GFPRMX4

Vibe

-  Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness
-  4 way spandex is used in this glove to enhance hand movement and reduce fatigue
-  3.5mm Gelpan padding absorbs vibrations and improves grip
-  Double stitched high wear areas for increased product life

-  Ensures wearer comfort in hot conditions
-  Maximum sun protection
-  Velcro closure ensures a secure and snug fit



EN 388:2016






3334B

2797

CE 719275

AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

● GFPRMX4.S	Small	1	
● GFPRMX4.M	Medium	12	
● GFPRMX4.L	Large	72	
● GFPRMX4.XL	X Large		
● GFPRMX4.2XL	2X Large		

GFPRMX6

Storm Winter



Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Breathable brushed terry lining is used to keep hands warm from extreme cold



Internal hypora membrane keeps liquids out of the glove



Silicone palm for enhanced grip



Double stitched high wear areas for increased product life



Maximum sun protection



EN 388:2016



3243A

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX6.S Small
- GFPRMX6.M Medium
- GFPRMX6.L Large
- GFPRMX6.XL X Large
- GFPRMX6.2XL 2X Large

1
6
54

GFPRMX7

Storm Winter Hi-Vis



Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Breathable brushed terry lining is used to keep hands warm from extreme cold



Internal hypora membrane keeps liquids out of the glove



High-visibility liner for increased safety awareness



Silicone palm for enhanced grip



Double stitched high wear areas for increased product life



Maximum sun protection



EN 388:2016



3243A

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX7.S Small
- GFPRMX7.M Medium
- GFPRMX7.L Large
- GFPRMX7.XL X Large
- GFPRMX7.2XL 2X Large

1
6
54

GFPRMX8

Tradie Fast Fit



Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



2.5mm Neosorb padding absorbs vibrations and improves grip



Ensures wearer comfort in hot conditions



Maximum sun protection



EN 388:2016



3243X

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX8.S Small
- GFPRMX8.M Medium
- GFPRMX8.L Large
- GFPRMX8.XL X Large
- GFPRMX8.2XL 2X Large

1
12
72



GFPRMX11

Predator

1 12 72



Only premium hides are selected and used in this glove to ensure the most soft and supple finish possible



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Double stitched high wear areas for increased product life



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit

GFPRMX12

Predator Winter

1 6 54



Only premium hides are selected and used in this glove to ensure the most soft and supple finish possible



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Precurved design ensures a 'hand at rest' feel for fatigue reduction



100GSM 3M™ Thinsulate™ liner for warmth in cold conditions



Double stitched high wear areas for increased product life



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit

EN 388:2016



CERTIFIED PRODUCT



- GFPRMX11.M Medium
- GFPRMX11.L Large
- GFPRMX11.XL X Large
- GFPRMX11.2XL 2X Large

EN 388:2016



CERTIFIED PRODUCT



- GFPRMX12.M Medium
- GFPRMX12.L Large
- GFPRMX12.XL X Large
- GFPRMX12.2XL 2X Large



GFPRMX5+

Blade 5+ Extreme



Engineered cut resistant fabric that offers superior breathability and hand coolness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Tough PVC dot pattern for enhanced gripping power



TPR back of hand impact protection



Double stitched high wear areas for increased product life



Ensures wearer comfort in hot conditions



Maximum sun protection



360° Cut Protection



EN 388:2016



3543DP



2797

CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX5+.S Small
- GFPRMX5+.M Medium
- GFPRMX5+.L Large
- GFPRMX5+.XL X Large
- GFPRMX5+.2XL 2X Large

1



6



54



CUT LEVEL
D
EN ISO 13997

GFPRMX5

Blade 5



Premium Korean synthetic liner provides good abrasion resistance. Colour-fast & 0.8mm in thickness



Engineered cut resistant fabric that offers superior breathability and hand coolness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Silicone palm for enhanced grip



Double stitched high wear areas for increased product life



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit



180° Cut Protection



EN 388:2016



3542E



2797

CE 719275



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GFPRMX5.S Small
- GFPRMX5.M Medium
- GFPRMX5.L Large
- GFPRMX5.XL X Large
- GFPRMX5.2XL 2X Large

1



12



72



CUT LEVEL
E
EN ISO 13997



GFPRMX30

Evolution Rigger



Only premium hides are selected and used in this glove to ensure the most soft and supple finish possible



Engineered cut resistant fabric that offers superior breathability and hand coolness



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



TPR back of hand impact protection



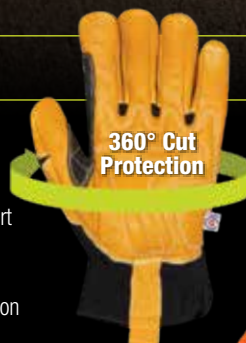
Double stitched high wear areas for increased product life



Ensures wearer comfort in hot conditions



Maximum sun protection



360° Cut Protection



EN 388:2016



3543DP



2797 CE 719275

Australian Standard



AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

EN 407:2004



X2XXXX

- GFPRMX30.S Small
- GFPRMX30.M Medium
- GFPRMX30.L Large
- GFPRMX30.XL X Large
- GFPRMX30.2XL 2X Large

1



6



54



CUT LEVEL
D
EN ISO 13997

GWORX1

Original



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Synthetic palm that provides a more durable alternative to leather



2.5mm Neosorb padding absorbs vibrations and improves grip



Double stitched high wear areas for increased product life



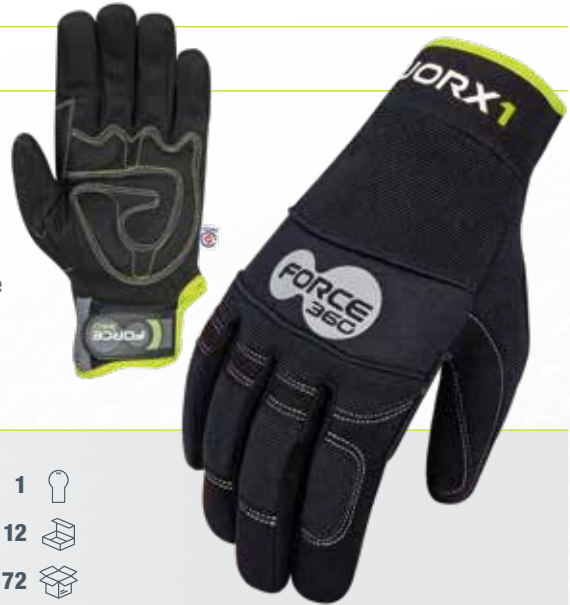
Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit



EN 388:2016



3243A

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719030

- GWORX1.S Small
- GWORX1.M Medium
- GWORX1.L Large
- GWORX1.XL X Large
- GWORX1.2XL 2X Large

1

12

72

GWORX2

Original Hi-Vis



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Synthetic palm that provides a more durable alternative to leather



2.5mm Neosorb padding absorbs vibrations and improves grip



Double stitched high wear areas for increased product life



High-visibility liner for increased safety awareness



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit



EN 388:2016



3243A

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719030

- GWORX2.S Small
- GWORX2.M Medium
- GWORX2.L Large
- GWORX2.XL X Large
- GWORX2.2XL 2X Large

1

12

72

GWORX3

Original Fingerless



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Synthetic palm that provides a more durable alternative to leather



2.5mm Neosorb padding absorbs vibrations and improves grip



Double stitched high wear areas for increased product life



Fingerless glove for complete touch and control



Ensures wearer comfort in hot conditions



Maximum sun protection



Velcro closure ensures a secure and snug fit



EN 388:2016



3243A

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719030

- GWORX3.S Small
- GWORX3.M Medium
- GWORX3.L Large
- GWORX3.XL X Large
- GWORX3.2XL 2X Large

1

12

72

GWORX4

Original Fast Fit



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Synthetic palm that provides a more durable alternative to leather



Double stitched high wear areas for increased product life



Shirred elastic back provides a more secure fit



Ensures wearer comfort in hot conditions



Maximum sun protection



EN 388:2016



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GWORX4.S Small
- GWORX4.M Medium
- GWORX4.L Large
- GWORX4.XL X Large
- GWORX4.2XL 2X Large



GWORX5

Original Hi-Vis Fast Fit



4 way spandex is used in this glove to enhance hand movement and reduce fatigue



Synthetic palm that provides a more durable alternative to leather



Double stitched high wear areas for increased product life



Shirred elastic back provides a more secure fit



High-visibility liner for increased safety awareness



Ensures wearer comfort in hot conditions



Maximum sun protection



EN 388:2016



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GWORX5.S Small
- GWORX5.M Medium
- GWORX5.L Large
- GWORX5.XL X Large
- GWORX5.2XL 2X Large



RIGGERS GLOVES



GWORX600

The Certified Cowhide Rigger



Only quality assured select leather is used in this glove



Wing thumb provides improved grip during pushing and pulling applications



Skin safe with no chromium, AZO dyes or chemical irritants present



Double stitched in high wear areas and a stitch-free palm for durability



Shirred elastic back provides a more secure fit



Colour coded cuff for size identification



UPF50+ offering maximum sun protection



EN 388:2016



3144X



0362



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719034

- GWORX600.S Small
- GWORX600.M Medium
- GWORX600.L Large
- GWORX600.XL X Large
- GWORX600.2XL 2X Large

12

120

GWORX601

The Certified Splitback Rigger



Only quality assured select leather is used in this glove



Wing thumb provides improved grip during pushing and pulling applications



Skin safe with no chromium, AZO dyes or chemical irritants present



Double stitched in high wear areas and a stitch-free palm for durability



Shirred elastic back provides a more secure fit



Colour coded cuff for size identification



UPF50+ offering maximum sun protection



EN 388:2016



3144X



0362



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719034

- GWORX601.S Small
- GWORX601.M Medium
- GWORX601.L Large
- GWORX601.XL X Large
- GWORX601.2XL 2X Large

12

120

GWORX605

The Certified Cut 5 Rigger



Only quality assured select leather is used in this glove



Engineered cut resistant fabric that offers superior breathability and hand coolness



Wing thumb provides improved grip during pushing and pulling applications



Skin safe with no chromium, AZO dyes or chemical irritants present



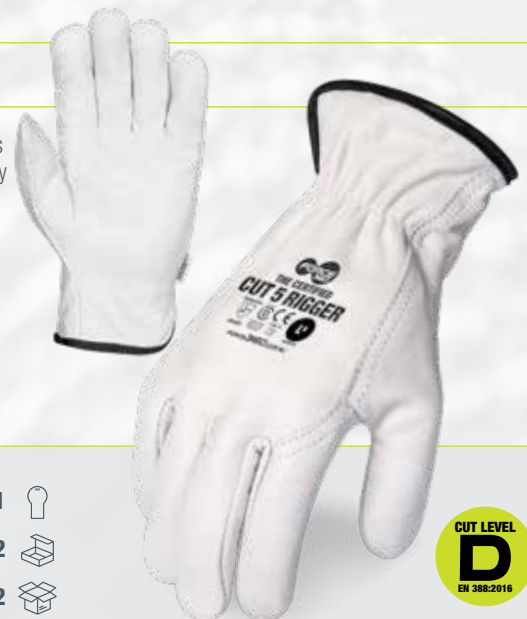
Double stitched in high wear areas and a stitch-free palm for durability



Shirred elastic back provides a more secure fit



UPF50+ offering maximum sun protection



EN 388:2016



3542D



2797



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719030

- GWORX605.S Small
- GWORX605.M Medium
- GWORX605.L Large
- GWORX605.XL X Large
- GWORX605.2XL 2X Large

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12

72

CUT LEVEL
D
EN 388:2016

WELDING GLOVES





GFPR750

MigArc Welder

NEW
PRODUCT*

Soft goatskin leather for maximum comfort and dexterity



Kevlar lining resists heat and manages perspiration



Kevlar stitching resists heat and prolongs seam life



Keystone thumb allows free movement and enhanced control



406mm length for extended splatter protection



Skin safe with no chromium, AZO dyes or chemical irritants present

● GFPR750.L Large

EN 388:2016



4243B

EN 407:2020



422221

EN 12477:2001



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 750796

1



10



30



GFPR751

TigArc Welder

NEW
PRODUCT*

Soft goatskin leather for maximum comfort and dexterity



Full cotton fabric lining, resists heat and manages perspiration



Kevlar stitching resists heat and prolongs seam life



Reinforced padded wear patch on side of palm



Foam padded comfort palm



406mm length for extended splatter protection



Skin safe with no chromium, AZO dyes or chemical irritants present

● GFPR751.L Large

EN 388:2016



3232B

EN 407:2020



412221

EN 12477:2001



Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 750796

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60



GWORX650

RedArc Welder

NEW
PRODUCT†

Select butt leather ensures excellent flexibility and comfort



Full cotton fabric lining, resists heat and manages perspiration



Kevlar stitching resists heat and prolongs seam life



Welted seams for improved durability and longevity



406mm length for extended splatter protection



Skin safe with no chromium, AZO dyes or chemical irritants present



EN 388:2016 EN 407:2020 EN 12477:2001



4243B



433341



TYPE A

CERTIFIED PRODUCT

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 750796

1



10



30



● GWORX650.L Large

GWORX651

BluArc Welder

NEW
PRODUCT†

Grade A select butt leather ensures maximum flexibility and comfort



Full cotton fabric lining, resists heat and manages perspiration



Kevlar stitching resists heat and prolongs seam life



Reinforced double palm and knucklebar



Welted seams for improved durability and longevity



406mm length for extended splatter protection



Skin safe with no chromium, AZO dyes or chemical irritants present



EN 388:2016 EN 407:2020 EN 12477:2001



4344C



444442



TYPE A

CERTIFIED PRODUCT

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 750796

1



10



30



● GWORX651.L Large

GWORX652

GrnArc Left Handed Welder

NEW
PRODUCT†

Select butt leather ensures excellent flexibility and comfort



Full cotton fabric lining, resists heat and manages perspiration



Kevlar stitching resists heat and prolongs seam life



Welted seams for improved durability and longevity



406mm length for extended splatter protection



Skin safe with no chromium, AZO dyes or chemical irritants present



EN 388:2016 EN 407:2020 EN 12477:2001



4243B



433341



TYPE A

CERTIFIED PRODUCT

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 750796

1



10



30



Two left-handed gloves per pair

● GWORX652.L Large

†Refer to pricelist for product availability dates



VENDOR READY PACKAGING



GFPR400V

Graphex® Precision

1 12 144



Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity



High dexterity for precision tasks



Active Grip Technology for superior use in wet and dry conditions



Touch screen friendly



Thumb and forefinger saddle



Ensures wearer comfort in hot conditions



Neutralises odour creating bacteria to maximise glove freshness



Maximum sun protection



Vend-ready packaging

- GFPR400V.S Small
- GFPR400V.M Medium
- GFPR400V.L Large
- GFPR400V.XL X Large
- GFPR400V.2XL 2X Large



EN 388:2016



4X42D

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 719027

EN 407:2020



X1XXXX



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100



GFPR505V

Graphex® Quantum

1 12 144



Graphex® yarn provides the highest levels of mechanical performance, with exceptional comfort and dexterity



High dexterity for precision tasks



Active Grip Technology for superior use in wet and dry conditions



Touch screen friendly



Extended thumb and forefinger saddle



Ensures wearer comfort in hot conditions



Neutralises odour creating bacteria to maximise glove freshness



Maximum sun protection



Vend-ready packaging

- GFPR505V.S Small
- GFPR505V.M Medium
- GFPR505V.L Large
- GFPR505V.XL X Large
- GFPR505V.2XL 2X Large



EN 388:2016



4X42F

2797
CE 719275

Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
Lic. BMP 719027

EN 407:2020



X1XXXX



OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100



GWORX100V

Eco Sand Nitrile

1 12 144



An economy liner for comfort, flexibility and breathability



Provides an assured wet, dry and oil grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging



GWORX101V

Eco PU

1 12 144



An economy liner for comfort, flexibility and breathability



Provides assured fine work handling and oil resistance with good wet/dry grip



Precurved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging



- GWORX100V.S Small
- GWORX100V.M Medium
- GWORX100V.L Large
- GWORX100V.XL X Large
- GWORX100V.2XL 2X Large

EN 388:2016



4121X

2797
CE 719275Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027

- GWORX101V.S Small
- GWORX101V.M Medium
- GWORX101V.L Large
- GWORX101V.XL X Large
- GWORX101V.2XL 2X Large

EN 388:2016



3141X

2797
CE 719275Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
Lic. BMP 719027



GWORX201V

Cut Resistant PU

1 12 144



An economy liner with high levels of cut resistance



Provides assured fine work handling and oil resistance with good wet/dry grip



Pre-curved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging



- GWORX201V.S Small
- GWORX201V.M Medium
- GWORX201V.L Large
- GWORX201V.XL X Large
- GWORX201V.2XL 2X Large

EN 388:2016



Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719027



GWORX203V

Cut Resistant Sand Nitrile

1 12 144



An economy liner with high levels of cut resistance



Provides an assured wet, dry and oil grip



Pre-curved design ensures a 'hand at rest' feel for fatigue reduction



Ensures wearer comfort in hot conditions



Maximum sun protection



Vend-ready packaging



- GWORX203V.S Small
- GWORX203V.M Medium
- GWORX203V.L Large
- GWORX203V.XL X Large
- GWORX203V.2XL 2X Large

EN 388:2016



Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719027

GLOVE

ACCESSORIES

GWORX700

Glove Clip

- Ensures gloves are with you at all times
- Strong interlocking jaws
- Engineered 6kg load breakaway safety device
- Can be used to carry multiple objects
- Custom logo printing - minimum qtys apply

- GWORX700.FY Fluoro Yellow
- GWORX700.FO Fluoro Orange
- GWORX700.BLK Black

1 
 20 
 100 
 400 

**Strong
Interlocking
Jaws**

**Engineered
Breakaway
Safety Device**

**Anti-Slip
Side Grips**

**Extra wide opening jaws
for thicker gloves**

Cut Level Selection Chart

CUT LEVEL A

2N - 4.9N

>203 grams but <509 grams to cut

Low Cut Risk

GFPRMX1



GFPRMX2



GFPRMX3



GFPRMX6



GFPRMX7



GFPRMX8



GFPRMX11



GWORX1



GWORX2



GWORX3



GWORX4



GWORX5



CUT LEVEL B

5N - 9.9N

>509 grams but <1019 grams to cut

Low-Moderate Cut Risk

GWORX301



GFPRMX4



GFPRMX12



GFPR750



GFPR751



GWORX650



GWORX652



CUT LEVEL C

10N - 14.9N

>1019 grams but <1529 grams to cut

Moderate Cut Risk

GFPR121



GFPR200



GWORX201



GWORX202



GWORX203



GWORX204



GWORX651



CUT LEVEL D**15N - 21.9N**

>1529 grams but <2242 grams to cut

Moderate-High Cut Risk**GFPR400****GFPR203/4/6/7****GFPRMX5+****GFPRMX30****GWORX605****CUT LEVEL E****22N - 29.9N**






























>2242 grams but <3059 grams to cut






























High Cut Risk**GFPR201****GFPR208****GFPRMX5****CUT LEVEL F****+30N**

>3059 grams to cut

Very High Cut Risk**GFPR500****GFPR501****GFPR502****GFPR504****GFPR505****GFPR506****GFPR530**

Glove Selection Chart

Part No	Page	Glove	Cut Protection	Vibration Control	Impact Protection	Cold	Liquid / Oil Barrier	Wet / Dry Grip	General Handling	Thermal Heat	Welding	Food Handling
			Low A B C D E F High									
GFPR100	38							✓	✓			✓
GFPR101	39							✓	✓			✓
GFPR102	39					✓		✓				✓
GFPR103	39							✓	✓			✓
GFPR104	40						✓	✓	✓			✓
GFPR105	41						✓	✓	✓			✓
GFPR110	41								✓			✓
GFPR111	42					✓	✓		✓			✓
GFPR114	41					✓	✓	✓	✓			✓
GFPR121	43		C					✓	✓			
GFPR200	43		C					✓				
GFPR201	43		E					✓				
GFPR203	45		D									✓
GFPR204	45		D									✓
GFPR206	45		D									✓
GFPR207	45		D									✓
GFPR208	46		E					✓	✓	✓		
GFPR400	30		D					✓		✓		✓
GFPR500	30		F					✓		✓		✓
GFPR501	31		F					✓		✓		✓
GFPR502	32		F	✓	✓			✓		✓		✓
GFPR504	31		F				✓	✓		✓		✓
GFPR505	30		F					✓		✓		✓
GFPR506	33		F		✓			✓		✓		✓
GFPR530	31		F									
GWORX100	47							✓	✓			
GWORX101	47							✓	✓			
GWORX111	47							✓	✓			
GWORX201	48		C					✓				

Part No	Page	Glove	Cut Protection Low ← → High	Vibration Control	Impact Protection	Cold	Liquid / Oil Barrier	Wet / Dry Grip	General Handling	Thermal Heat	Welding	Food Handling
GWORX202	48		C					✓	✓			
GWORX203	48		C					✓	✓			
GWORX204	49		C					✓	✓			✓
GWORX301	49		B					✓	✓			
GFPRMX1	52		A					✓	✓			
GFPRMX2	52		A					✓	✓			
GFPRMX3	52		A		✓			✓	✓			
GFPRMX4	53		B	✓				✓	✓			
GFPRMX5	56		E					✓				
GFPRMX5+	56		D		✓			✓				
GFPRMX6	54		A			✓	✓	✓				
GFPRMX7	54		A			✓	✓	✓				
GFPRMX8	54							✓	✓			
GFPRMX11	55		A						✓			
GFPRMX12	55		B			✓			✓			
GFPRMX30	57		D		✓				✓	✓		
GWORX1	58		A					✓	✓			
GWORX2	58		A					✓	✓			
GWORX3	58		A						✓			
GWORX4	59		A					✓	✓			
GWORX5	59		A					✓	✓			
GWORX600	61								✓			
GWORX601	61								✓			
GWORX605	61		D						✓			
GFPR750	63		B							✓	✓	
GFPR751	63		B							✓	✓	
GWORX650	64		B							✓	✓	
GWORX651	64		C							✓	✓	
GWORX652	64		B							✓	✓	

EYE

PROTECTION





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AS/NZS 1337.1:2010

Personal Eye Protection


This standard specifies minimum requirements for non-prescription eye and face protectors and associated oculars. They are designed to protect the eyes and face of a person against common occupational hazards such as flying particles and fragments, dust, 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 & 5.

This standard aims to assist in providing 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, dealt with in AS/NZS 1338, and are typically relevant to welding applications.



Australian Standard
AS/NZS
1337.1:2010

LENS MARKINGS




Identification of the manufacturer

Symbol for mechanical strength

Lens category classification

Additional/Optional Markings



Protection Level	Marking	Type of Protector
Medium Impact (6.00mm Projectile at 45m/sec)	I or F	Spectacles, eyeshields, goggles
High Impact (6.00mm Projectile at 120m/sec)	V or B	Visor systems only
Very High Impact (6.00mm Projectile at 190m/sec)	A	Visor systems only

Ocular Category	Luminous Transmission Range
Category 0	>80-100%
Category 1	>43-80%
Category 2	>18-43%
Category 3	>8-18%
Category 0	Outdoor Untinted 80-100%

Additional Protection	Marking
Polarised Lens	P
Splashproof	C or 3
Dustproof	D or 4
Gas-tight	G or 5
Molten Metal & Hot Solids	M or 9
High Temperature	H

FRAME MARKINGS

Identification of the manufacturer	Number of the Australian Standard	License Number	Certification Mark	Product Identifier
	AS/NZS 1337.1:2010	Lic. 1502		Glide

DAMAGING SUN RAYS

ULTRAVIOLET RADIATION

The sun emits three types of ultraviolet radiation - UVA, UVB and UVC. Both UVA and UVB make it through to the earth's surface. UVC, on the other hand, is mainly absorbed by the earth's atmosphere.

95% of UV radiation that makes it to the earth is UVA (also used in tanning beds). The other 5% is UVB (which is what causes most sunburns). Both types of radiation have been found to cause damage if directly exposed to our eyes.

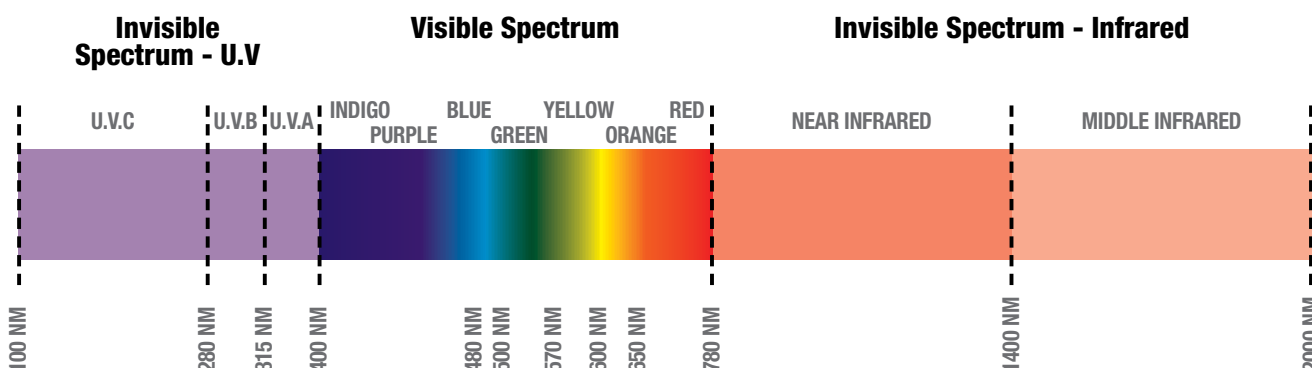
The table below identifies the potential risks that can occur due to excessive exposure to particular light rays.

Eye	UVC 100-280 nm	UVB 280-315 nm	UVA 315-400 nm	Blue Light 400-480 nm	Visible Light 400-780 nm	Near Infrared 780-1400 nm	Middle Infrared 1400-2000 nm
Cornea	Conjunctivitis Partial blindness	Conjunctivitis Partial blindness	Conjunctivitis Partial blindness	-	-	-	-
Lens	Conjunctivitis	Cataract Premature ageing	Cataract Premature ageing	-	-	Cataract	Conjunctivitis Partial blindness
Retina	Conjunctivitis	-	-	Partial blindness Photoreinitis	Vision problems Discontinuous vision	-	-

UV400 vs UV380 LENSES

In the case of UV380 rated lenses, this means that they protect the eye from UV radiation, UVA, B and C rays, up to a wavelength of 380 nanometers. UV400 rated lenses protect from these rays up to a wavelength of 400 nanometers. Lenses that claim 99.9% UV protection are UV380, and lenses claiming 100% UV protection are UV400.

All Force360 FPR safety spectacles are made from UV400 polycarbonate, including the clear lens versions. This is important because even when worn outdoors, they protect the wearer from ALL of the sun's damaging UV rays. Many clear and tinted lenses sold in the Australian market are made with UV380 rated polycarbonate and do not protect the wearer from the sun's damaging UV rays in the 380-400 nm wavelength. The 20 nm UV rays that are not blocked by UV380 lenses can make their way to the retina and lead to photokeratitis and even macular degeneration.



OUR LENSES

CLEAR



VLT - 89%
Lens Shade Category - 0
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- True colour rendition ensured without distortion
- Suitable for indoor and low light outdoor use
- Maximum visible light transmission for true to life vision

AMBER



VLT - 90%
Lens Shade Category - 0
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- Amber lenses block blue light to enhance contrast and improve depth perception
- Often worn during low light environments to provide brighter viewing
- Particularly effective when contrast is poor; often at dawn and dusk Amber lenses assist in defining objects from each other

LIGHT BROWN



VLT - 59%
Lens Shade Category - 1
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- The light brown lens allows approx. 60% of visible light transmission making a versatile choice for low and bright light conditions
- Excellent blue light blocker reduces eyes strain associated with artificial light sources and screens

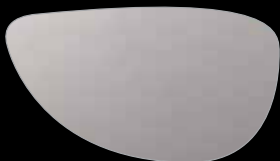
BRONZE MIRROR



VLT - 56%
Lens Shade Category - 1
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- The light brown lens allows approx. 60% of visible light transmission making a versatile choice for low and bright light conditions
- The mirror coating provides additional protection from harsh glare by reflecting them away
- Excellent blue light blocker reduces eyes strain associated with artificial light sources and screens

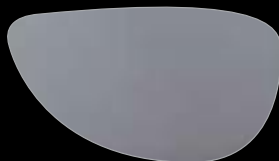
SILVER MIRROR



VLT - 27%
Lens Shade Category - 1
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- With a higher VLT than smoke lenses, silver mirror lenses offer brighter field of view
- Perfect for outdoor applications where glare is a factor, but where only moderate ambient brightness occurs
- A suitable choice for year round outdoor use

SMOKE



VLT - 20%
Lens Shade Category - 2
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- Worn on bright sunny days smoke lenses reduce the amount of visible light reaching the eye significantly reduce eye strain
- Smoke lenses provide optimal eye conditions for working for extended periods outdoors and reduce glare to manageable levels
- True colour rendition is ensured without distortion across the visible light spectrum

RED/BLUE MIRROR



VLT - 15%
Lens Shade Category - 3
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- These lenses dramatically reduce visible light by up to 85%, ensuring maximum protection from glare in harsh environments
- Particularly useful when working in exceptionally bright places like deserts or oceans or where intense sun glare occurs

POLARISED



VLT - 14%
Lens Shade Category - 3
Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- Significantly reduces visible light to ensure maximum protection in harsh environments
- Polarised lenses use a integrated vertical filter to restrict horizontal light that appears as glare
- The filters ensure reflective light is restricted improving colour rendition and visual clarity in extreme conditions like working around glass or water

OUR COATINGS

CLEAR MIRROR



VLT - 48%

Lens Shade Category - 1

Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- Minimally tinted to create a comfortable solution when moving back and forth from indoor or shaded locations to direct sunlight
- The clear mirror allows approx. 50% of visible light through and the mirror finish reflects unwanted glare
- Often referred to as an indoor/outdoor safety spectacle

SHADE 5



VLT - 1.2%

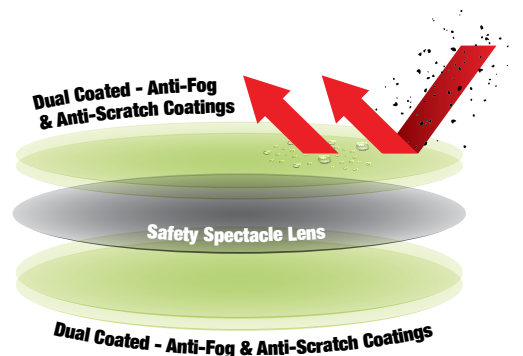
Lens Shade Category - Shade 5

Standards - AS/NZS 1337.1:2010

- UV400 provides 100% UV radiation protection up to 400 nm
- Protects from medium impact flying objects that may cause physical eye damage
- Specifically used for Shade 5 applications such as oxy welding & cutting, plasma cutting and brazing where radiation exposure can cause permanent eye damage or blindness
- Restricts 99.4% of Infra Red light rays between 780 nm and 1400 nm from reaching the eyes

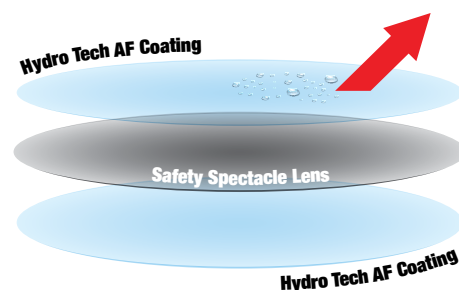
KN RATED

FPR eyewear coded with KN have a premium Hydrophilic Anti-Fog and Hard Coat that is washable and permanent - suited for applications where extreme fogging and scratching can occur. KN rated eyewear must pass EN 166 performance testing standards for fogging and scratching resistance.



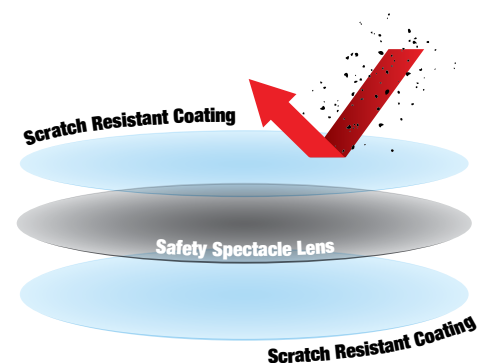
HYDRO TECH AF

The standard high performing anti-fog coating used on all non-mirrored FPR eyewear protects from fogging in most situations. The Hydro Tech coating is on both sides of the lens. It is a hydrophilic coating that absorbs the moisture and disperses it across the lens to minimise fogging.



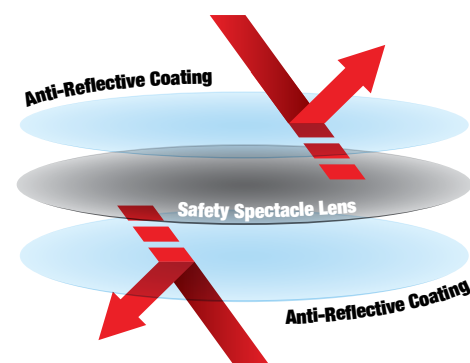
DIAMOND TECH

The Diamond Tech Hard Coat partners the Hydro Tech AF coating and is found on all FPR eyewear. Diamond Tech protects the lens from scratches caused by dirt and particle contact and maximises the lens life. The coating is on both sides of the lens.



ANTI-REFLECTIVE

Specifically reduces reflective light from entering the eye through the back of the lens. Often in highly reflective environments such as laboratories, medical facilities or finished goods assembly, reflected light that bounces off several surfaces can be annoying and can hinder detailed work. The anti-reflective coating deflects these light rays away and ensures clear, unobstructed vision for enhanced clarity.



WORLD'S LIGHTEST SAFETY SPECTACLE

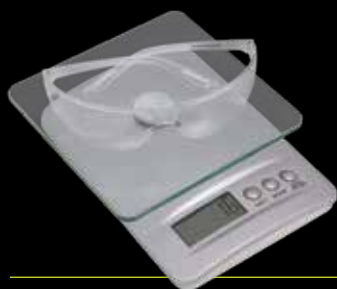


1 World's Lightest Spectacle

2 100% Recyclable

3 Lanyard Connection Point

4 Universal Nose Bridge



Air

1 12 144

16 GRAMS World's lightest safety spectacle at only 16g

HC Certified to AS/NZS 1337.1:2010 medium impact protection

HC Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation

Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens

Connection point for spec cord or lanyard

Ultra-thin 1.4mm lens provides distortion free optical clarity

Universal nose bridge that fits most faces

100% recyclable polycarbonate

UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

Available Lenses



EFPR800
Clear



EFPR801
Smoke



EFPR802
Light Brown



EFPR803
Silver Mirror*

*No anti-fog on mirrored or polarised lenses



Air Anti-Reflective

1 12 144



World's lightest safety spectacle at only 16g



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Anti-Reflective coating reduces glare reflected from hard and shiny work surfaces like those in labs and hospitals



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Connection point for spec cord or lanyard



Universal nose bridge that fits most faces



100% recyclable polycarbonate



Ultra-thin 1.4mm lens provides distortion free optical clarity



Available Lenses



EFPR800AR
Anti-Reflective

Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic.1502

Air KN Rated

1 12 144



World's lightest safety spectacle at only 16g



Certified to AS/NZS 1337.1:2010 medium impact protection



KN rated lens offering best in anti-scratch (K) and anti-fog (N) technology



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Universal nose bridge that fits most faces



Connection point for spec cord or lanyard



100% recyclable polycarbonate



Ultra-thin 1.4mm lens provides distortion free optical clarity



Available Lenses



EFPR800KN
Clear KN

Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic.1502

Air-G

1 12 144



World's lightest safety spectacle at only 16g plus an element seal



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Removable foam element seal keeps out dust and liquid splashes



Connection point for spec cord or lanyard



Universal nose bridge that fits most faces



Ultra-thin 1.4mm lens provides distortion free optical clarity



Available Lenses

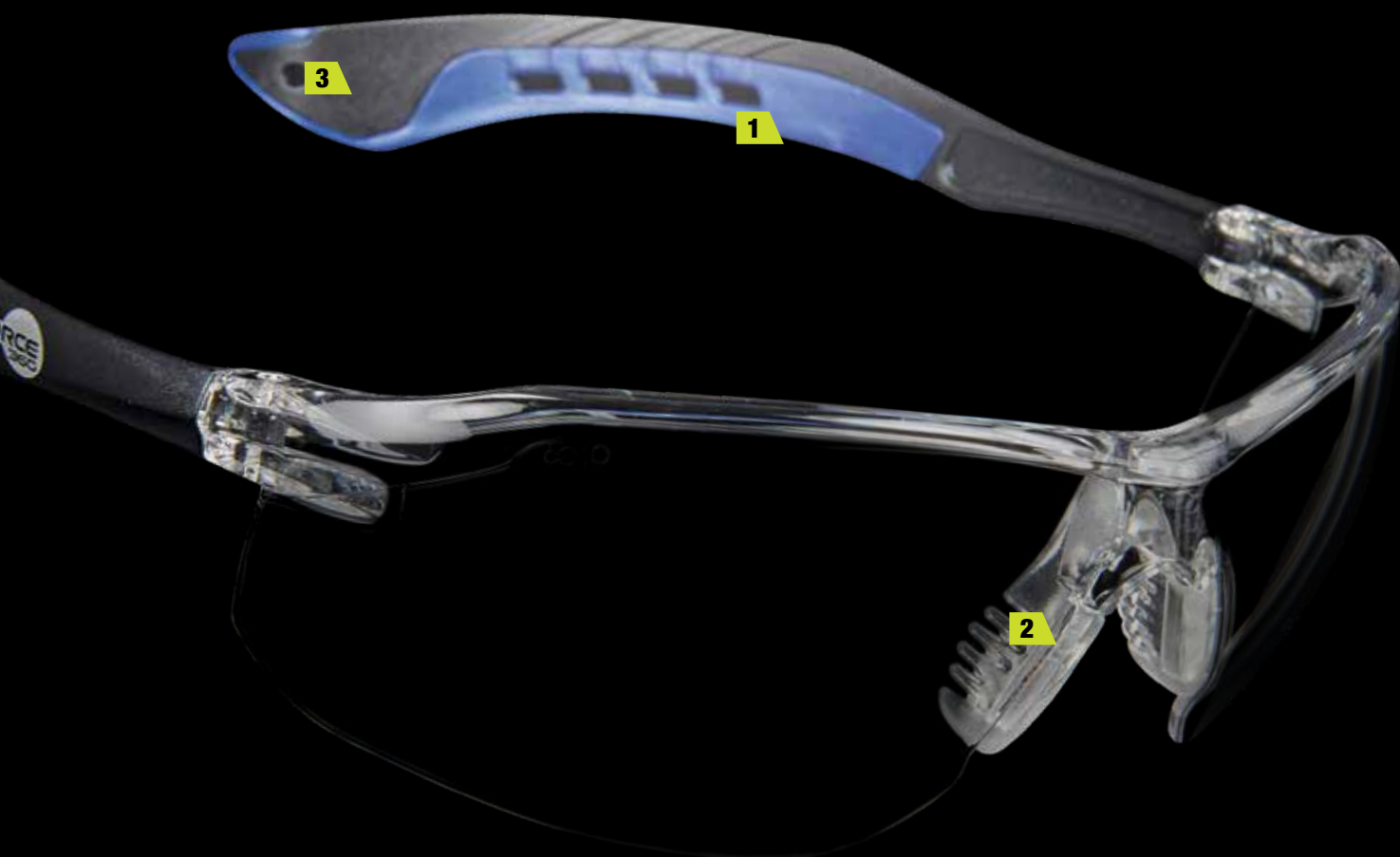


EFPR800G
Clear



EFPR801G
Smoke

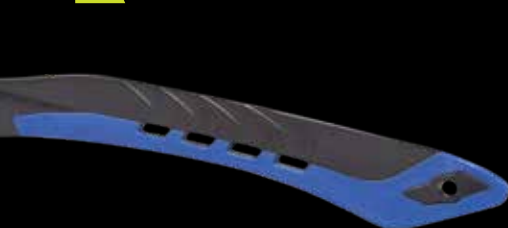
Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic.1502



1 TPR Comfort Side Arms

2 Flexbridge Technology

3 Lanyard Connection Point



Glide

1 12 144

19
GRAMS

Only 19g allowing minimal fatigue during all day wear



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



TPR comfort side arms reduce pressure and wearer fatigue



Flexbridge technology allows the nose bridge to flex and mould to shape



Connection point for spec cord or lanyard



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

Available Lenses

EFPR804
ClearEFPR805
SmokeEFPR806
Dark BrownEFPR807
Silver Mirror*

*No anti-fog on mirrored or polarised lenses



Australian
Standard
AS/NZS
1337.1:2010
Lic.1502

Shield

1 12 144



Certified to AS/NZS 1337.1:2010
medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant
and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that
prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best
protection against all damaging UV rays up to 400 nm



TPR comfort side arms reduce pressure and wearer fatigue



Pivot hinge allows the wearer to adapt the glasses to their
face shape



TPR brow guard reduces particles and sweat reaching
the eyes



Available Lenses



EFPR811
Clear



EFPR812
Smoke



Horizon

1 12 144



25g lightweight spectacle reduces wearer fatigue



Certified to AS/NZS 1337.1:2010
medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant
and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that
prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best
protection against all damaging UV rays up to 400 nm



TPR comfort side arms reduce pressure and wearer fatigue



Available Lenses



EFPR813
Clear



EFPR814
Smoke



EFPR815
Blue Mirror*

*No anti-fog on mirrored or polarised lenses





1 TPR Comfort Side Arms

2 Flexbridge Technology

3 Lanyard Connection Point



Runner

1 12 144

- | | | |
|--|--|---|
| <p>25 GRAMS</p> <p>25g lightweight spectacle reduces wearer fatigue</p> | <p>Hydro Tech AF</p> <p>Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens</p> | <p>UV 400</p> <p>UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm</p> |
| <p>AS/NZS 1337.1:2010</p> <p>Certified to AS/NZS 1337.1:2010 medium impact protection</p> | <p>TPR comfort side arms</p> <p>TPR comfort side arms reduce pressure and wearer fatigue</p> | <p>Moulded brow guard</p> <p>Moulded brow guard for protection from above</p> |
| <p>Diamond Tech Hard Coat</p> <p>Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation</p> | <p>Flexbridge technology</p> <p>Flexbridge technology allows the nose bridge to flex and mould to shape</p> | |

Available Lenses



EFPR816
Clear



EFPR817
Smoke



EFPR818
Bronze Mirror*

*No anti-fog on mirrored or polarised lenses



Eyefit

1 12 144

- 29 GRAMS** 29g with more nose bridge area to minimise fatigue
- HC** Certified to AS/NZS 1337.1:2010 medium impact protection
- HC** Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation
- HC** Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens
- UV 400** UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm
- FitAll** Sidearm system is designed to gently hug all head shapes
- Flexbridge** technology allows the nose bridge to flex and mould to shape
- Floating lens** means airflow is maximized behind the lens and minimizes fogging



Available Lenses



EFPR819
Clear

EFPR820
Smoke

EFPR821
Light Brown

EFPR822
Silver Mirror*

*No anti-fog on mirrored or polarised lenses



Flight

1 12 144

- 25 GRAMS** 25g lightweight spectacle reduces wearer fatigue
- HC** Certified to AS/NZS 1337.1:2010 medium impact protection
- HC** Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation
- HC** Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens
- UV 400** UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm
- TPR** comfort side arms reduce pressure and wearer fatigue
- Flexbridge** technology allows the nose bridge to flex and mould to shape



Available Lenses



EFPR825
Clear

EFPR825KN
Clear KN

EFPR826
Smoke

EFPR827
Amber

EFPR828
Clear Mirror*

EFPR902
Polarised*

*No anti-fog on mirrored or polarised lenses





1 Comfort Side Arms



2 Robust Frame Construction



3 Integrated Nosebridge



Mirage

1 12 144



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



TPR comfort side arms reduce pressure and wearer fatigue



Solid frame construction perfect for harsh conditions



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

Available Lenses



EFPR829
Clear



EFPR830
Smoke



EFPR900
Polarised*

*No anti-fog on mirrored or polarised lenses

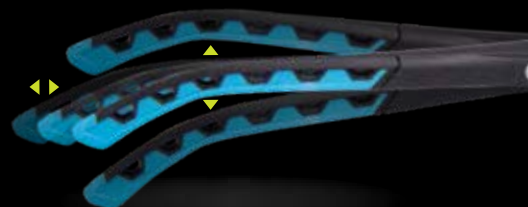




1 Di-Electric Build

2 Flexbridge II

3 4-Way Adjustment



Calibr8

1 12 144



25g lightweight spectacle reduces wearer fatigue



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



Di-electric build makes this spectacle metal-free and intrinsically safe



TPR comfort side arms reduce pressure and wearer fatigue



Flexbridge II offers cushioning to the nose ensuring a comfortable fit



The FlexPro browguard curves and cushions the forehead, maximising airflow through its venting system



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

**No anti-fog on mirrored or polarised lenses*

Available Lenses



EFPR835
Clear



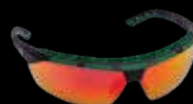
EFPR836
Smoke



EFPR837
Silver Mirror*



EFPR838
Clear Mirror*



EFPR839
Red Mirror*



EFPR903
Polarised*





1 Di-Electric Build



2 Flexbridge II



3 Comfort Side Arms



24/7

1 12 144

25
GRAMS

25g lightweight spectacle reduces wearer fatigue



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



Di-electric build makes this spectacle metal-free and intrinsically safe



TPR comfort side arms reduce pressure and wearer fatigue



Flexbridge II offers cushioning to the nose ensuring a comfortable fit



Low Pro browguard curves and protects from dust and debris



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

Available Lenses



EFPR840
Clear



EFPR841
Smoke



EFPR842
Amber



EFPR843
Bronze Mirror*

*No anti-fog on mirrored or polarised lenses



Australian
Standard
AS/NZS
1337.1:2010
Lic.1502



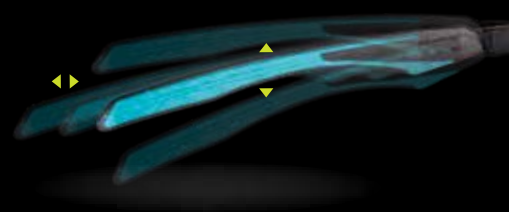
1 Di-Electric Build



2 Prescription Lens Integration



3 4-way Adjustable Side Arms



OTG Overspec

1 12 144



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Certified to AS/NZS 1337.1:2010 medium impact protection



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



Low Pro browguard curves and protects from dust and debris



Di-electric build makes this spectacle metal-free and intrinsically safe



TPR comfort side arms reduce pressure and wearer fatigue



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

Available Lenses



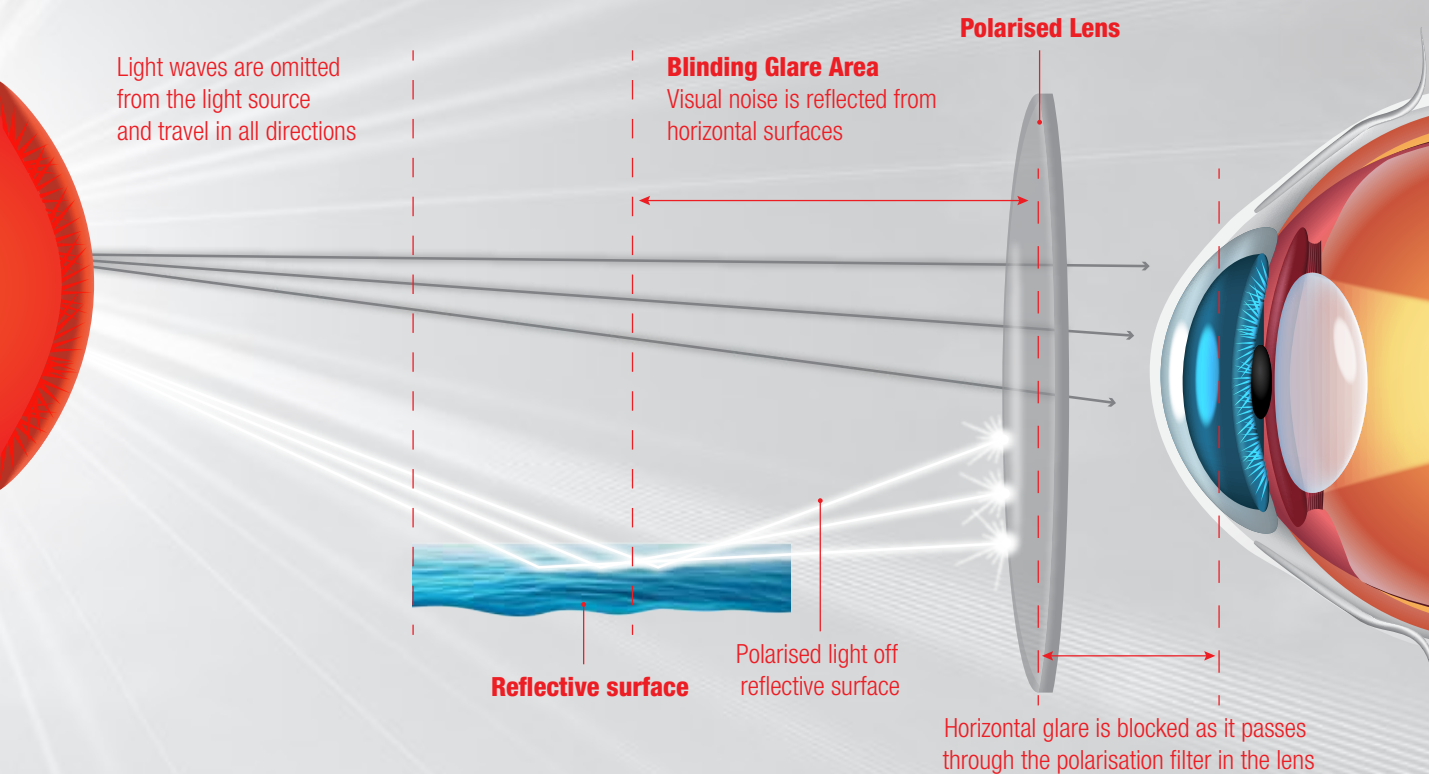
EFPR844
Clear



THE POLARISED LENS

Unlike a standard UV lens which protects your eyes and the area around them from harmful UV light, polarised lenses also eliminate blinding glare that causes visual discomfort in sunny situations. As light hits a flat surface, it becomes polarised or is reflected horizontally. The light becomes concentrated and very difficult to look at; this is known as blinding glare. A polarised lens aims to filter out this reflected light providing a clear viewing experience for the wearer.

A chemical is laminated into the lens in a vertical pattern during the production of a polarised lens. This pattern reorganises the light that is horizontal to eliminate the glare. Reduced eye strain, increased visual clarity, contrast and acuity, are standard features of a polarised lens and ultimately make the environment more enjoyable for the wearer.



Without polarised lens - blown out highlights / washed out colour



With polarised lens - highlights minimised and colour enhanced



EFPR900

Mirage - Polarised

1  36 

Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Certified to AS/NZS 1337.1:2010 medium impact protection



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



TPR comfort side arms reduce pressure and wearer fatigue



Solid frame construction perfect for harsh conditions



Certified Product
Australian Standard
AS/NZS 1337.1:2010
Lic.1502

EFPR902

Flight - Polarised

1  36 

25g lightweight spectacle reduces wearer fatigue



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



TPR comfort side arms reduce pressure and wearer fatigue



Flexbridge technology allows the nose bridge to flex and mould to shape



Certified Product
Australian Standard
AS/NZS 1337.1:2010
Lic.1502

EFPR903

Calibr8 - Polarised

1  24 

25g lightweight spectacle reduces wearer fatigue



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



TPR comfort side arms reduce pressure and wearer fatigue



Flexbridge II offers cushioning to the nose ensuring a comfortable fit



Di-electric build makes this spectacle metal-free and intrinsically safe



The FlexPro browguard curves and cushions the forehead, maximising airflow through its venting system



Certified Product
Australian Standard
AS/NZS 1337.1:2010
Lic.1502

Air-G

1 12 144



World's lightest safety spectacle at only 16g plus an element seal



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Removable foam element seal keeps out dust and liquid splashes



Connection point for spec cord or lanyard



Universal nose bridge that fits most faces



Ultra-thin 1.4mm lens provides distortion free optical clarity



Available Lenses



EFPR800G
Clear



EFPR801G
Smoke

Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic.1502

Oil & Gas

1 12 144



Lightweight alternative to a traditional goggle



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Foam element seal keeps out dust and liquid splashes

Convert to
goggle

Convert to
spectacle

Available Lenses



EFPR823
Clear



EFPR824
Smoke



Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic.1502

NeoGuard

1 12 144



Certified to AS/NZS 1337.1:2010 medium impact protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Foam element seal keeps out dust and liquid splashes



TPR comfort side arms reduce pressure and wearer fatigue



Available Lenses



EFPR833
Clear



EFPR834
Smoke

Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic.1502



1 KN Rated Lens

2 Converts to Spectacle

3 Pivot Hinge

4 Silicone Gasket



Arma SI

1 12 144



Lightweight alternative to a traditional goggle



Pivot Hinge allows the wearer to adapt the glasses to their face shape



Certified to AS/NZS 1337.1:2010 liquid splash protection



Certified to AS/NZS 1337.1:2010 medium impact protection



Silicon element seal keeps out dust and debris



KN Rated lens offering best in anti-scratch (K) and anti-fog (N) technology



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

Available Lenses



EFPR831KN
Clear KN



EFPR832KN
Smoke KN



TGA Listing Number - 336212
This product is listed as a Class 1 Medical Device

Guardian

1  20 

Certified to AS/NZS 1337.1:2010 medium impact protection



Certified to AS/NZS 1337.1:2010 liquid splash protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Form fitting TPR provides comfortable positive face seal



Indirect vents allow air flow and reduces fogging



Easily adjustable quick release head strap



Certified Product
Australian Standard
AS/NZS 1337.1:2010
Lic.1502

Available Lenses



EFPR850
Clear



EFPR851
Smoke

Guardian+

1  10 

Goggle



Certified to AS/NZS 1337.1:2010 medium impact protection



Certified to AS/NZS 1337.1:2010 liquid splash protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm



Form fitting TPR provides comfortable positive face seal



Indirect vents allow air flow and reduces fogging



Easily adjustable quick release head strap

Visor



V Pivot allows the face visor to be lifted and positioned above the goggle when not in use



Exhale vents in the visor aid in humidity reduction and improve air circulation

Certified Product
Australian Standard
AS/NZS 1337.1:2010
Lic.1502



EFPR860
Clear



EFPR861
Smoke



SHADE
5

EFPR862
Shade 5



1 Quick Release Head Strap



2 Form Fitting TPR



3 Wide Field of Vision



MultiFit

1 20



Certified to AS/NZS 1337.1:2010 medium impact protection



Certified to AS/NZS 1337.1:2010 liquid splash protection



Diamond Tech Hard Coat is extremely scratch resistant and resists acid and solvent degradation



Hydro Tech AF is a washable hydrophilic coating that prevents fog forming on the lens



Form fitting TPR provides comfortable positive face seal



Indirect vents allow air flow and reduces fogging



Easily adjustable quick release head strap



UV400 polycarbonate lenses offer the wearer the best protection against all damaging UV rays up to 400 nm

Available Lenses



EFPR852
Clear



EFPR853
Smoke

Certified Product
Australian Standard
AS/NZS 1337.1:2010
Lic.1502

Radar

1  12  144 

24g lightweight spectacle reduces wearer fatigue

Certified to AS/NZS 1337.1:2010
medium impact protection

Hard coat for scratch resistance and dirt build up



Anti-fog coating reduces fogging in humid environments



Available Lenses

**EWRX800**
Clear**EWRX801**
Smoke**EWRX802**
Blue Mirror**EWRX803**
Dark Brown
Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic. 2742

Rapper

1  12  300 

24g lightweight spectacle reduces wearer fatigue

Certified to AS/NZS 1337.1:2010
medium impact protection

Hard coat for scratch resistance and dirt build up



Available Lenses

**EWRX810**
Clear**EWRX811**
Smoke
Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic. 2742

Minehunter

**NEW
PRODUCT[†]**1  12  144 

24g lightweight spectacle reduces wearer fatigue



Pliable side arms for a personalised fit

Certified to AS/NZS 1337.1:2010
medium impact protection

Hard coat for scratch resistance and dirt build up



Anti-fog coating reduces fogging in humid environments



Available Lenses

**EWRX807**
Clear**EWRX808**
Smoke**EWRX809**
Amber
Certified Product
Australian
Standard
AS/NZS
1337.1:2010
Lic. 1502[†]Refer to pricelist for product availability dates

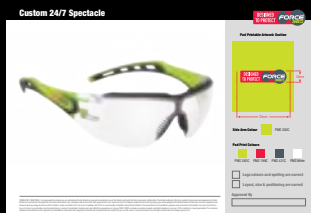
PRIVATE BRANDING

ADVERTISE YOUR BRAND*

- Certified to AS/NZS 1337.1:2010*
- Customised with a pad printed logo on spectacle arm
- Branded external and internal boxes with individually packaged safety spectacles
- Seamless artwork approval process



**Contact your BDM about a
certified private branded safety spectacle**



**SUPPLY LOGO &
SELECT SPECTACLE**

APPROVE ARTWORK

ORDER QUANTITY

**Minimum quantities and lead times apply.*

EFPR950

FogOff Multi Wipe

- Alcohol and ammonia free formula ensures it is safe to use on virtually any hard, non-porous surface
- Hydrophilic components create a protective shield to direct moisture and fogging away from the lens to ensure clear vision
- Antimicrobial formula kills 99.9% of bacteria including Ecoli (Escherichia coli) and Staph (Staphylococcus aureus) on contact
- Anti-static rated to repel dust and fine particles away from the cleansed surface
- Extra large 13cm x 20cm wipe for cleaning larger items
- Use on safety eyewear, goggles, faceshields, respirators, mobiles, phones, tablets and computers
- Convenient dispenser box containing 100 wipes

100 Wipes

10 Boxes
(Inner Carton)40 Boxes
(Outer Carton)

EFPR951

Intrinsically Safe FogOff Multi Wipe

- Alcohol and ammonia free formula ensures it is safe to use on virtually any hard, non-porous surface
- Hydrophilic components create a protective shield to direct moisture and fogging away from the lens to ensure clear vision
- Antimicrobial formula kills 99.9% of bacteria including Ecoli (Escherichia coli) and Staph (Staphylococcus aureus) on contact
- Anti-static rated to repel dust and fine particles away from the cleansed surface
- Extra large 13cm x 20cm wipe for cleaning larger items
- Use on safety eyewear, goggles, faceshields, respirators, mobiles, phones, tablets and computers
- Convenient dispenser box containing 300 wipes
- Intrinsically safe metal-free design for use in mining applications

300 Wipes

5 Boxes
(Inner Carton)10 Boxes
(Outer Carton)



HEARING PROTECTION





Hearing Protection 102-111

The Standards 104-105

Earmuffs 106-107

Earplugs 108-111

AS/NZS 1270:2002

Acoustics - Hearing protectors

This standard specifies requirements for the design, materials, and performance of conventional hearing protectors. It also guides the general requirements and physical and acoustic testing of specialist hearing protectors.

Over-exposure to dangerous noise levels at work can lead to hearing loss, some of which can be permanent. Each day we are exposed to varying levels of noise in both the workplace and at home. Noise levels are measured in decibels (dBA), and prolonged exposure to levels over 85 decibels over 8 hours may cause irreparable hearing loss. Understanding your work environment and the different noise levels gives you the best chance of minimising damage.

Under the Australian Standard AS/NZS 1270:2002, a 'class' system is an easy way to choose a hearing protector appropriate to noise exposure. The standard categorises hearing protection into five classes, with Class 1 being the lowest level of protection and Class 5 being the highest level.



**Australian
Standard**
AS/NZS
1270:2002
Lic.SMK40540

SLC₈₀ (SOUND LEVEL CONVERSION)

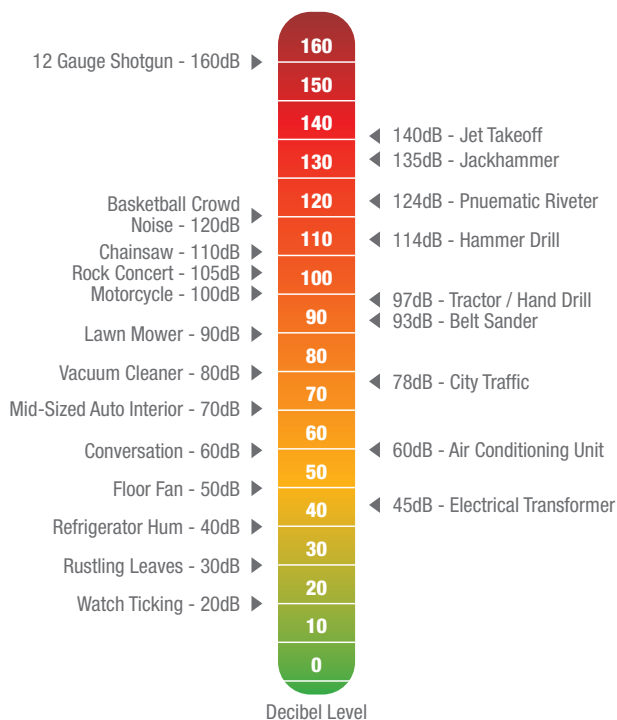
An SLC₈₀ (Sound Level Conversion) rating is engaged in converting the difference between the sound level of the environment in which the hearing protection is worn and the sound level reaching the wearer's ears. Under the standard, people should not be exposed to sound above 85dB for more than an 8 hour period. A noise survey is then conducted, and the table to the right is used to select the appropriate Class of hearing protection required.

By way of example, if a person is working with a hammer drill running at 114dB, then the noise must be reduced to 85dB or less; therefore, Class 5 26dB+ hearing protection would be essential.

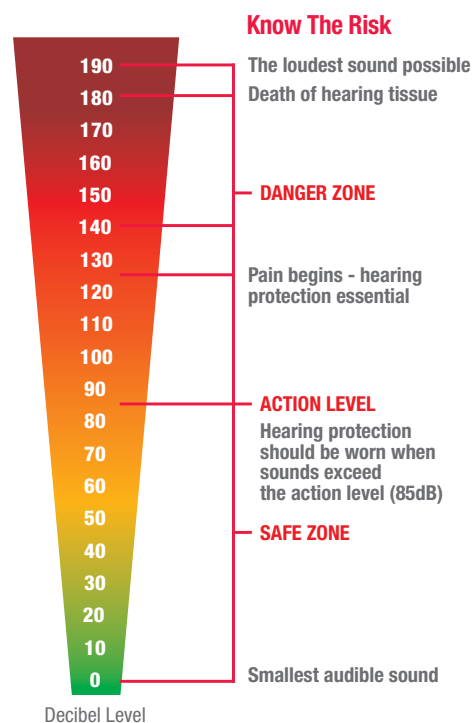
The home scale below shows decibel ratings of various objects you could contact, whereas the work scale indicates when these decibel levels start damaging your hearing.

Class	SLC ₈₀ dB	Noise Survey Result
1	10-13	Less than 90dB (A)
2	14-17	90dB to less than 95dB (A)
3	18-21	95dB to less than 100dB (A)
4	22-25	100dB to less than 105dB (A)
5	26+	105dB to less than 110dB (A)

HOME SCALE DECIBELS (dBA)



WORK SCALE DECIBELS (dBA)

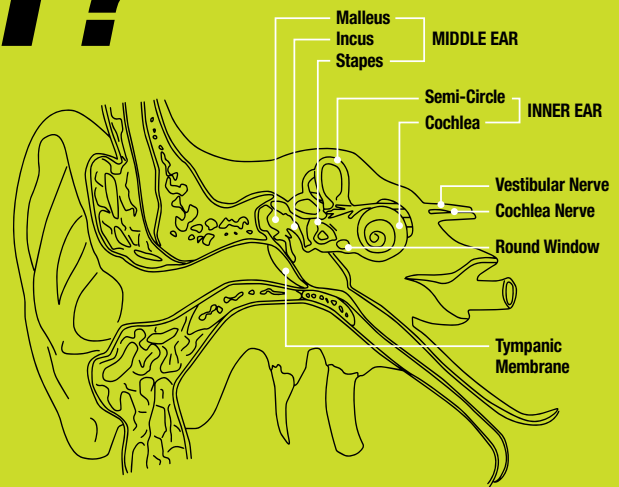


How Does Hearing Loss Occur?

The ear consists of three major areas: the outer ear, the inner ear and the middle ear. Sound waves travel in through the outer ear, causing vibrations in the eardrum. The three small bones then amplify these waves in the middle ear before they travel through to the inner ear, passing through fluid in a snail-shaped in the inner ear called the cochlea.

Attached to nerve cells in the cochlea are thousands of tiny hairs that translate these sound vibrations into electrical signals that are then transmitted to your brain, which turns the signals into recognisable sounds.

Nerve destruction or damage to the hair cells that transfer sound waves within the ear results in permanent loss of hearing. If damage or destruction occurs to these critical parts of the hearing mechanism, they are never able to be repaired, resulting in either slight or total permanent hearing loss.



Fitting Instructions

HOW TO FIT YOUR OVERHEAD EARMUFF

This model of earmuff is to be worn over the head. When worn correctly, the head band of the earmuff is to rest on top of your head.

- Pull the cups outward and place over your ears so that the cushions fully enclose the ears and seal tightly against the head.
- Adjust the height of each cup on both sides while holding the headband down until you have a tight and comfortable fit.
- The headband should sit straight on the head.



HOW TO FIT YOUR CAP ATTACHABLE EARMUFF

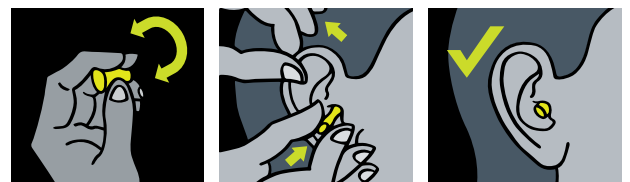
This model of earmuff is to be worn with a hard hat. When worn correctly, the earmuff is fixed into the hard hat's side accessory slots.

- Push the 30mm earmuff adaptor into the accessory slot on the side of the hard hat.
- Put the hard hat on and push the earmuffs inwards to engage their active position covering your ears.
- Adjust the earmuff up and down for a personalised fit. When not wearing the earmuffs, pull them away from the ears, turn 90° and place them into the rest position.



HOW TO FIT YOUR EARPLUGS

- Ensure hands and earplugs are clean prior to fitting.
- Roll earplug with tips of fingers to compact foam into a thin crease-free cylinder.
- Insert the compressed earplug well into the ear canal. Pulling the ear outwards and upwards will make fitting easier.
- Ensure earplugs are suitably fitted as per diagram.



EARMUFFS

HFPR950

Sonic 32dB

1  10 

- Class 5, 32dB for high noise applications
- Hi-vis cups provide increased visibility for additional safety
- Padded comfort headband with hi-vis trim
- Adjustable cup heights for a personalised fit
- Stainless steel wire for robustness and extended product life
- Low clamp force for extended wear



HFPR952 / HFPR954

Wave 28dB

1  10 

- Class 5, 28dB for medium to high noise applications
- Hi-vis cups provide increased visibility for additional safety
- Available in 30mm (HFPR952) and 25mm (HFPR954) slots to fit various hard hat connection points
- Low clamp force for extended wear
- Adjustable cup heights for a personalised fit
- Stainless steel wire for robustness and extended product life



HWRX900

Base1 29dB

1  20 

- Class 5, 29dB for medium to high noise applications
- Height adjustable low profile cups
- Padded ribbed headband for air circulation and comfort
- Low clamp force for extended wear



EARPLUGS



HWRX970

Bullet Shaped Uncorded Disposable Earplug

200 Pairs 
10 Boxes 

- Class 5, 26dB
- Individually packed for convenience
- Universal fit to suit most ear canals
- Optimal expansion rate for easy fitting
- High-visibility colour for easy wearer identification
- Suitable for high noise areas up to 110dB (A)



Lic.SMK40540



HWRX971

Bullet Shaped Corded Disposable Earplug

100 Pairs 
10 Boxes 

- Class 5, 26dB
- Neck cord prevents earplugs being dropped or lost
- Individually packed for convenience
- Universal fit to suit most ear canals
- Optimal expansion rate for easy fitting
- High-visibility colour for easy wearer identification
- Suitable for high noise areas up to 110dB (A)



Lic.SMK40540



HWRX973

Bullet Shaped Uncorded Disposable Earplugs with Dispenser (500 Pairs)

1 
4 

- Class 5, 26dB
- Universal fit to suit most ear canals
- Optimal expansion rate for easy fitting
- High-visibility colour for easy wearer identification
- Easily dispense
- Complete with 500 pairs of HWRX970
- Suitable for high noise areas up to 110dB (A)



Lic.SMK40540



HWRX974

Bullet Shaped Uncorded Disposable Earplugs Bulk Pack (500 Pairs)

500 Pairs 
10 Packets 

- Class 5, 26dB
- Bulk packaged dispenser refill
- Universal fit to suit most ear canals
- Optimal expansion rate for easy fitting
- High-visibility colour for easy wearer identification
- Suitable for high noise areas up to 110dB (A)



Lic.SMK40540



HWRX980

Bell Shaped Uncorded Disposable Earplug

200 Pairs
10 Boxes

- ▲ Class 4, 22dB
- ▲ Individually packed for convenience
- ▲ Bell shaped profile for a secure inner seal
- ▲ Optimal expansion rate for easy fitting
- ▲ High-visibility colour for easy wearer identification
- ▲ Suitable for medium noise areas up to 106dB (A)



HWRX981

Bell Shaped Corded Disposable Earplug

100 Pairs
10 Boxes

- ▲ Class 4, 22dB
- ▲ Neck cord prevents earplugs being dropped or lost
- ▲ Individually packed for convenience
- ▲ Bell shaped profile for a secure inner seal
- ▲ Optimal expansion rate for easy fitting
- ▲ High-visibility colour for easy wearer identification
- ▲ Suitable for medium noise areas up to 106dB (A)



HWRX972

FoodSafe Metal Detectable Corded Disposable Earplug

100 Pairs
10 Boxes

- ▲ Class 5, 26dB
- ▲ Metal detectable cord and plug
- ▲ Neck cord prevents earplugs being dropped or lost
- ▲ Individually packed for convenience
- ▲ Universal fit to suit most ear canals
- ▲ Optimal expansion rate for easy fitting
- ▲ Blue in colour to suit food industry usage
- ▲ Suitable for high noise areas up to 110dB (A)



HWRX991

Silicone Corded Reusable Earplug

100 Pairs
10 Boxes

- ▲ Class 4, 24dB
- ▲ Neck cord prevents earplugs being dropped or lost
- ▲ Individually packed for convenience
- ▲ Christmas tree shaped reusable silicone construction
- ▲ High-visibility colour for easy wearer identification
- ▲ Suitable for medium noise areas up to 108dB (A)





RESPIRATORY PROTECTION





Respiratory Protection 112-127

The Standards 114-115

Reusable Respirators & Filters 116-123

Disposable Respirators 124-127

AS/NZS 1715:2009

This standard deals with the selection, use and maintenance of respiratory protective equipment. It offers information to employers and users on different types of respiratory protective equipment (RPE), how to select the right type for the job and how to correctly maintain it. Quantitative and Qualitative fit testing falls under this standard.



AS/NZS 1715:2009

AS/NZS 1716:2012

This standard offers information to manufacturers, suppliers, employers and users by setting out performance requirements for different types of RPE according to type, with varying degrees of protection against atmospheres containing substances which may be harmful if breathed; also, with certain types, to protect against atmospheres which may be deficient in oxygen.



AS/NZS 1716:2012

TYPES OF RESPIRATORY HAZARDS

Australian Standard AS/NZS 1715:2009 classifies contaminated air into the following categories:

- Dust / Fibres** Particles generated by mechanical means such as crushing, cutting and sanding. Calcium carbonate, silica dust, sulphur, coal, clay, ferrous metals (steel, stainless steel, cast iron), wood dust and asbestos are all examples.
- Mists** Airborne droplets of liquid usually formed by condensation of a vapour or by splashing, spraying or atomising. These can include oil mists, acid mists, condensation of water vapour to form fog and paint mist.

- Fumes** Fine particles, usually less than 1.0µm in diameter, formed from a volatilised solid condensed in cool air. Fumes are often associated with molten metals, especially in welding practices and can also include soldering and bushfire smoke.

- Gases** Formless fluids expand and occupy the space in which they are confined. These can include oxygen, carbon monoxide, nitrogen, and carbon dioxide.

- Vapour** The gas form of a substance which is usually in the form of a solid or liquid when at room temperature and pressure. These can include toluene, methylene chloride and mineral spirits.

TYPES OF FILTERS UNDER AS/NZS 1716:2012

PARTICULATE FILTERS

Particulate filters capture particulates in the air such as dusts, mists and fumes. They do not protect the user against gases or vapours. They are classified into three groups, relative to the particulate size filtration capacity and toxicity of the particulate.

- Class P1 Filters** P1 filters protect against mechanically generated particles. P1 filters are available as the powered type, replaceable filter type and disposable type.
- Class P2 Filters** P2 filters protect against mechanically or thermally generated particles. P2 filters are available as the powered type, replaceable filter type and disposable type.
- Class P3 Filters** P3 filters are to protect against highly toxic or irritant particles. P3 filters are available as the powered type and replaceable filter type.
A full-face respirator is required to achieve P3 filter classification (for non-powered air), or a head covering or full-face respirator for a Powered Air Purifying Respirator (PAPR).
Note: When a P3 filter is used in conjunction with a half face piece, the protection level is equivalent to a P2 filter.

Disposable respirators/dust masks are particulate filters, usually P1 or P2. They cover the mouth and nose and protect the wearer against airborne contaminants, including dust, mists, liquids and some fumes, but not gases or vapours.

Dust masks are not suitable where:

- ▲ Contaminant concentrations are dangerous to life or health, unknown or exceed the relevant exposure standard
- ▲ Toxic gases or vapours are present
- ▲ A satisfactory fit of the mask is not obtained due to facial hair or other characteristics that prevent a good seal between the edge of the mask and the wearer's face
- ▲ If the atmosphere is deficient in oxygen, a confined space or poorly ventilated area
- ▲ If there is a smell or taste of a contaminant and/or if persons in the area experience nose and/or throat irritation – some dust masks do have an active carbon layer added to reduce nuisance levels of organic vapours that can create unpleasant smells

Class	Efficiency	Penetration	Application
P1	80% (Particles to 1µm micron = 0.001mm size)	Not more than 20%	Dust
P2	94% (Particles to 0.3µm micron = 0.0003mm size)	Not more than 6%	Toxic dusts, including welding fumes and asbestos
P3	99.95% (Particles to <0.3µm micron = less than 0.0003mm size)	Not more than 0.05%	Toxic dusts including asbestos, welding fumes (Only achieved with PAPR or Full Face)

GAS FILTERS

Classes for gas filters are distinguished by how much gas they're able to absorb. Gas filters are classified by one of the following classes:

- Class AUS** Low absorption capacity filters
- Class 1** Low to medium absorption capacity filters
- Class 2** Medium absorption capacity filters
- Class 3** High absorption capacity filters

Gas and particle filters also use a colour coded system for identification. Multiple colours represent filter type protection:

- A** Organic Vapours (boiling point >65°C)
- AX** Organic Vapours (boiling point <65°C)
- B** Inorganic Gases
- E** Acid Gases
- K** Ammonia
- Hg** Mercury

COMBINATION FILTERS

Combination filters are used when gases/vapours occur simultaneously with particles, e.g. in high pressure cleaning, spray painting, heating substances or gas condensation. Select an appropriate combination filter from the Corpro range when subject to this environment.

PROTECTION FACTORS

Depending on the combination of cartridge/filter and respirator, different levels of protection may be achieved. The Protection Factor is the reduction in exposure expected with correct use of a respirator. e.g. A protection factor of 10 means the wearer can expect a 10 times reduction in exposure to the airborne concentration of contaminants. As per the table below - the higher the protection factor, the greater the reduction in exposure to airborne contaminants for the wearer.

PARTICULATE PROTECTION

Respirator	Filter	Protection Factor
Half Face Respirator	P2 Filter	Up to 10
Half Face Respirator	P3 Filter	Up to 10
Full Face Respirator	P2 Filter	Up to 50
Full Face Respirator	P3 Filter	Up to 100

GAS/VAPOUR PROTECTION

Respirator	Filter	Protection Factor
Half Face Respirator	Class 1	Up to 10
Half Face Respirator	Class 2	Up to 10
Full Face Respirator	Class 1	Up to 50
Full Face Respirator	Class 2	Up to 100

REUSABLE RESPIRATORY



corpro

a better fit

With innovation, advanced design strategy and global anthropometrics in our DNA, we create respiratory products which embody performance, comfort and user centric design.

Better design, better protection.





R1400

Half Face Respirator

NEW
PRODUCT¹

- Patented ‘Easy-On’ filter connection helps users securely mount filters onto their mask from any orientation with ease
- Global fit profile created using anthropometric data resulting in three fit profiles - Small (111g), Medium (116g), Large (117g)
- Ultra low breathing resistance created using twin inhale valves and low pressure-drop filters
- Adjustable strap system offers ease of use and a secure balanced fit
- Optimal centre of gravity enables the mask to feel lighter when worn
- Fully maintainable with easy access to parts for pre-donning checks and part replacement
- Swept-back filter position offers an unobstruction field of view
- Integrates with existing PPE
- Designed for prolonged use
- Reusable through sterilisation procedure



1		27	
R1400.S	Small		
R1400.M	Medium		
R1400.L	Large		

Learn How to
Don your Half
Face Respirator



¹Refer to pricelist for product availability dates



R1600

Full Face Respirator

**NEW
PRODUCT***

- Patented 'Easy-On' filter connection helps users securely mount filters onto their mask from any orientation with ease
- Patented seal system
- Global fit profile created using anthropometric data resulting in three fit profiles - Small (580g), Medium (584g), Large (589g)
- Ultra low breathing resistance created using twin inhalation valves and low pressure-drop filters
- Five point head harness with elastomeric sealing components offers a secure balanced fit
- Optimal centre of gravity enables the mask to feel lighter when worn
- Fully maintainable with easy access to parts for pre-donning checks and part replacement
- Panoramic visor and swept-back filter position offers an unobstruction field of view
- High impact polycarbonate visor
- Reusable through sterilisation procedure



1		8	
R1600.S	Small		
R1600.M	Medium		
R1600.L	Large		

**Learn How to
Don your Full
Face Respirator**



*Refer to pricelist for product availability dates



Filter Range

NEW
PRODUCT[†]

Standard Filters

1 pair  10 pair R11001
P3 R

Particulate filter

R11004
A1Organic vapour filter
(regular capacity)R11008
A2Organic vapour filter
(high capacity)R11005
ABE1Organic and inorganic vapour
and acid gas filter
(regular capacity)R11007
ABEK1Organic and inorganic vapour,
acid gas and ammonia filter
(regular capacity)

Combination Filters

1 pair  15 pair R11002
A1P3 R DOrganic vapour and particulate
combination filter
(regular capacity)R11009
A2P3 R DOrganic vapour and particulate
combination filter
(high capacity)R11006
ABE1P3 R DOrganic and inorganic vapour, acid
gas and particulate
combination filter
(regular capacity)R11003
ABEK1P3 R DOrganic and inorganic vapour,
acid gas, ammonia and particulate
combination filter
(regular capacity)[†]Refer to pricelist for product availability dates

Our Filter Design

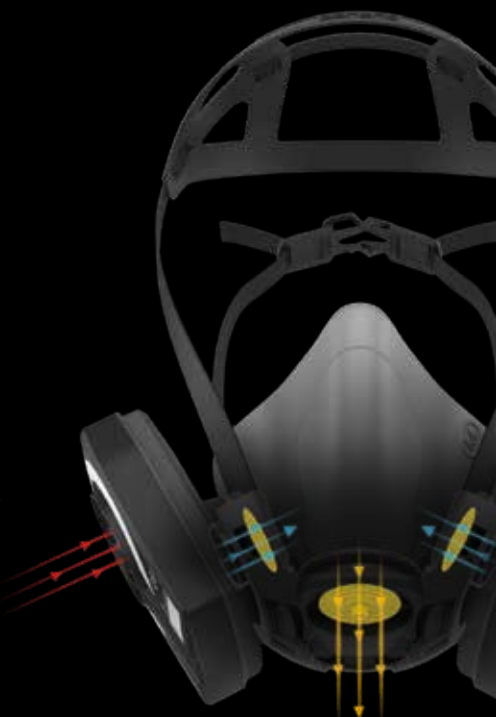
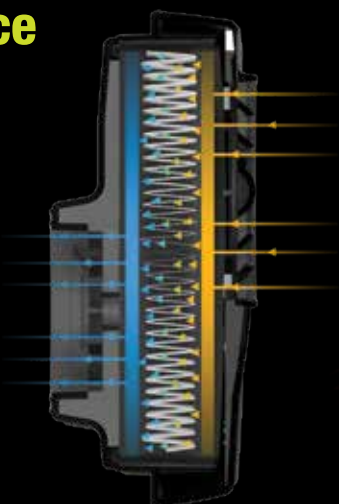
High Protection, Low Resistance

The FPR1100 filter range is available in 9 different industrial combinations, with ultra-low breathing resistance, optimised capacity and patented connection technology.

With a minimised pressure drop across filter media and optimised flow geometry, the FPR1100 filter range offers an ultra-low breathing resistance, without compromising protection.

Secure Fit, Any Rotation

Our filters have been designed around ease of use. Our patented 'Easy-On' filter mechanism helps users mount filters onto their masks from any orientation with ease.



FILTER USAGE AT A GLANCE

Usage		P3 R	A1	A2	ABE1	ABEK1	A1P3 R D	A2P3 R D	ABE1P3 R D	ABEK1P3 R D
Filter Class		P3	Class 1	Class 2	Class 1	Class 1	Class 1 P3	Class 2 P3	Class 1 P3	Class 1 P3
Organic Vapours	A	N/A	✓	✓	✓	✓	✓	✓	✓	✓
Inorganic Vapours	B		N/A		✓	✓	N/A		✓	✓
Acidic Vapours	E		N/A		✓	✓	N/A		✓	✓
Ammonia Vapours	K		N/A			✓	N/A			✓
Nuisance Odours		N/A	✓	✓	✓	✓	✓	✓	✓	✓
Dusts	P	✓	N/A				✓	✓	✓	✓
Mists		✓	N/A				✓	✓	✓	✓
Water Based Painting		✓	N/A				✓	✓	✓	✓
Solvent Based Brush Painting		N/A	✓	✓	✓	✓	✓	✓	✓	✓
Rubbing Down Paint		✓	N/A				✓	✓	✓	✓
Paint Stripping, Chemical or Heat			N/A				✓	✓	✓	✓
White Spirit		N/A	✓	✓	✓	✓	✓	✓	✓	✓
Chlorine (Cleaning & Pools)			N/A		✓	✓	N/A		✓	✓
Glyphosate (Weed Killer)		✓	N/A				✓	✓	✓	✓
Brick Acid (Graffiti Removal)			N/A		✓	✓	N/A		✓	✓
Formaldehyde			N/A		✓	✓	N/A			✓
Fibres & Fibre Glass		✓	N/A				✓	✓	✓	✓
Plaster		✓	N/A				✓	✓	✓	✓
Silica (Concrete / Stone Cutting)		✓	N/A				✓	✓	✓	✓
Woods (Hard & Soft)		✓	N/A				✓	✓	✓	✓
MDF (Machine Tooling)		✓	N/A						✓	✓
Welding (Ferrous & Lead)		✓	N/A				✓	✓	✓	✓
Earth Moving (Contaminated)			N/A							✓

THE FILTER RANGE PERFORMANCE

EN Requirement		Particulate Only Filter		Gas Only Filter			Combined Filter			
		P3 R	A1	A2	ABE1	ABEK1	A1P3 R D	A2P3 R D	ABE1P3 R D	ABEK1P3 R D
Filter Class		P3	Class 1	Class 2	Class 1	Class 1	Class 1 P3	Class 2 P3	Class 1 P3	Class 1 P3
Weight per filter pair	Actual	125g	210g	210g	230g	230g	250g	250g	280g	280g
	EN140	< 300g								
	EN136	< 500g								
Pressure Drop (Measurement at 95L/min)	Actual	0.9 mbar	0.9 mbar	1.2 mbar	1.0 mbar	1.0 mbar	1.7 mbar	1.9 mbar	1.8 mbar	1.8 mbar
	EN	4.2 mbar	4.0 mbar	5.6 mbar	4.0 mbar	4.0 mbar	8.2 mbar	9.8 mbar	8.2 mbar	8.2 mbar
Efficiency	Actual	> 99.99%	N/A				> 99.99%			
	EN	> 99.95%	N/A				> 99.95%			
Penetration	Actual	< 0.01%	N/A				< 0.01%			
	EN	< 0.05%	N/A				< 0.05%			
Cyclohexane	Actual	N/A	200 min	50 min	150 min	150 min	200 min	50 min	150 min	150 min
	EN	N/A	70 min	35 min	70 min	70 min	70 min	35 min	70 min	70 min
Hydrogen Cyanide	Actual	N/A			>100 min	>100 min	N/A		>100 min	>100 min
	EN	N/A			25 min	25 min	N/A		25 min	25 min
Hydrogen Sulphide	Actual	N/A			>100 min	>100 min	N/A		>100 min	>100 min
	EN	N/A			40 min	40 min	N/A		40 min	40 min
Chlorine	Actual	N/A			>100 min	>100 min	N/A		>100 min	>100 min
	EN	N/A			20 min	20 min	N/A		20 min	20 min
Sulphur Dioxide	Actual	N/A			65 min	50 min	N/A		65 min	50 min
	EN	N/A			20 min	20 min	N/A		20 min	20 min
Ammonia	Actual	N/A				90 min	N/A			90 min
	EN	N/A				50 min	N/A			50 min

Workplace Exposure Level - This table is for reference purposes only. A proper risk assessment by qualified personnel should be carried out before selecting an appropriate filter cartridge

Respirator Kits



R1400AS

Asbestos Removal / Silica Dust Kit

**NEW
PRODUCT***

1
8

- ▲ Half face mask (R1400)
- ▲ 1 pair of P3 R filters
- ▲ 1 pair of pre-filter holders
- ▲ 1 pack of 10 pre-filters
- ▲ 4x multi-wipes

R1400AS.S Small
R1400AS.M Medium
R1400AS.L Large

CE
0086

CERTIFIED PRODUCT

AUSTRALIA & NZ STANDARDS
AS/NZS 1716
LIC: BMP 71042



R1400CH

Chemical Kit

**NEW
PRODUCT***

1
8

- ▲ Half face mask (R1400)
- ▲ 1 pair of ABEK1P3 R D filters
- ▲ 1 pair of pre-filter holders
- ▲ 1 pack of 10 pre-filters
- ▲ 4x multi-wipes

R1400CH.S Small
R1400CH.M Medium
R1400CH.L Large

CE
0086

CERTIFIED PRODUCT

AUSTRALIA & NZ STANDARDS
AS/NZS 1716
LIC: BMP 71042



R1400GP

General Purpose / Painters Kit

**NEW
PRODUCT***

1
8

- ▲ Half face mask (R1400)
- ▲ 1 pair of A1P3 R D filters
- ▲ 1 pair of pre-filter holders
- ▲ 1 pack of 10 pre-filters
- ▲ 4x multi-wipes

R1400GP.S Small
R1400GP.M Medium
R1400GP.L Large

CE
0086

CERTIFIED PRODUCT

AUSTRALIA & NZ STANDARDS
AS/NZS 1716
LIC: BMP 71042

*Refer to pricelist for product availability dates

Accessories

R11110

Pre-Filter

5 pair  50 pair 

- Easily slides into pre-filter holder
- Reduces particulates reaching main filter
- Extends the life of main filter
- Use with half face and full face respirator

NEW
PRODUCT¹

R11111

Exhale Barrier

10  50 

- Filters half face respirator exhaled air at 98% efficiency
- Captures particles >0.3 microns
- Reduces contamination risk from the wearer to others
- Hydrophobic PTFE material resists liquid penetration
- High tensile strength resists tearing
- Low pressure drop ensures easy breathing is not restricted
- Simply & quickly attaches to all Corpro half face respirators
- Suitable for medical single shift use

NEW
PRODUCT¹

R11112

Pre-Filter Holder

1 pair  10 pair 

- Robust low profile design
- Easily attaches to all Corpro main filters
- Use with half face and full face respirator

NEW
PRODUCT¹

Pre-Filter Not Included

R14012

Splash Visor

1  8 

- Protects the wearer from aerosols, droplets and liquid splash
- AS/1337:2010 Clause 3.3.4 liquid splash compliant
- Prevents the wearer from touching eyes & face
- Simply & quickly attaches to all Corpro half face respirators
- Suitable for medical single shift use

NEW
PRODUCT¹

Replacement Parts

Full Face Respirator

R160001/2/3

Full face major seal kit
Available in S, M, L

R160004

Full face visor plus pack



R160005

Full face visor standard pack



R160006

Full face exhale cover pack



R160007

Full face head harness pack



R160008

Full face bezel pack



R160009

Full face minor seals pack



R160010

Tear off visor kit (pack of 10)



R160011

Spectacle kit



R160012

Portacount basic test kit



R160017

OHD Quantifit test kit



R160018

Service kit



R160019

Sizing caliper



R160021

Full face inhale gasket (8 pack)



R140001

Half face oronasal endoskeleton



R140002/3/4

Half face major seal kit
Available in S, M, L

R140005

Half face exhale cover pack



R140006

Half face head harness pack



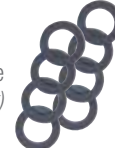
R140007

Half face minor seals pack



R140008

Half face inhale gasket (8 pack)



Half Face Respirator

DISPOSABLE RESPIRATORY



RWRX250

P2 Respirator

- AS/NZS 1716:2012 certified protection
- P2 protection for mechanically and thermally generated particulates
- Suitable for airborne virus protection including SARS & COVID-19
- Dual latex free head straps
- Adjustable nose bridge to personalise fit

Packaging



RWRX250
20 per Box
12 Boxes per Carton



AS/NZS 1716:2012
BMP 592166

RWRX251

P2V Respirator

- AS/NZS 1716:2012 certified protection
- P2 protection for mechanically and thermally generated particulates
- Suitable for airborne virus protection including SARS & COVID-19
- MaxFlo exhalation valve particularly beneficial for hot and humid environments to reduce breathing resistance
- Dual latex free head straps
- Adjustable nose bridge to personalise fit

Packaging



RWRX251
10 per Box
24 Boxes per Carton



AS/NZS 1716:2012
BMP 592166

RWRX252

P2CV Respirator

- AS/NZS 1716:2012 certified protection
- P2 protection for mechanically and thermally generated particulates
- Suitable for airborne virus protection including SARS & COVID-19
- Active carbon for nuisance level organic vapours
- Dual latex free head straps
- MaxFlo exhalation valve particularly beneficial for hot and humid environments to reduce breathing resistance
- Adjustable nose bridge to personalise fit

Packaging



RWRX252
10 per Box
24 Boxes per Carton



AS/NZS 1716:2012
BMP 592166

RWRX230

P2 Contoured Respirator

- AS/NZS 1716:2012 certified
- P2 protection for mechanically and thermally generated particulates
- Suitable for airborne virus protection including SARS & COVID-19
- No pinch nose bridge allows adjustment free comfort and reduced pressure
- Intrinsically safe metal free construction
- Dual latex free comfort straps

Packaging



RWRX230
20 per Box
20 Boxes per Carton



AS/NZS 1716:2012
BMP 724282

RWRX240

Type II R Surgical Masks

- Type II R under EN 14683:2019+AC:2019
- 175 x 95mm non-sterile surgical mask
- Triple layer construction offers >98% Bacterial Filtration Efficiency and liquid splash protection
- Low breathing resistance for maximum comfort and prolonged wear
- Adjustable nose bridge for personalised fit
- TGA Listing Number - 340305. This product is listed as a Class 1 Single Use Medical Device

Packaging



RWRX240
50 per Box
40 Boxes per Carton



Triple Layer Construction



1 25gsm Non-Woven Spunbond Polypropylene

Protection against liquid splashes



2 25gsm Non-Woven Meltblown Polypropylene

High Bacterial Filtration Efficiency



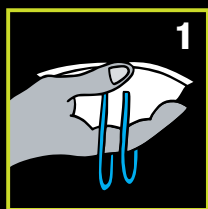
3 25gsm Non-Woven Spunbond Polypropylene

Low Breathing Resistance



Donning your Respirators

Disposable Respirators



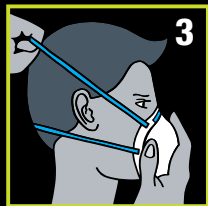
1

Before putting on mask, clean hands with alcohol-based hand sanitizers, or soap and water. Hold the mask in hand with the metal nosepiece or contoured nosebridge up. Allow headbands to hang freely.



2

Position the mask under the chin, covering mouth and nose.



3

Pull the lower headband over the head and position below ears. Pull the top headband onto the back of head above ears for best fit.



4

If applicable, press soft metal nosepiece to conform snugly around the nose.



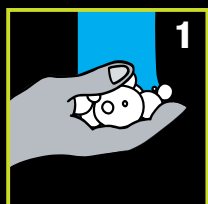
5

To check fit, cup both hands over the mask and exhale vigorously. If air flows around nose, tighten the nosepiece. If air leaks around the edge, reposition the headband for better fit. Retest the seal and repeat the procedure until the mask is sealed properly.

Important

The type of respirator you choose per application is extremely important. Consult the table on page 115 to determine the adequate protection for the task on hand.

Surgical Masks CAUTION - SINGLE USE ONLY.



1

Before putting on mask, clean hands with alcohol-based hand sanitizers, or soap and water.



2

Pull ear loops over each ear to secure to mask to the face.



3

Pinch internal metal nose bridge snugly around the nose.



4

Pull the bottom area of the mask down over the mouth and under the chin area.



5

Ensure you have a snug fit with minimum gaps between face and mask.

Important

Re-use or extended use may lead to infection or cross-contamination. Masks should be changed between patients and when they become soiled or wet. Masks should never be reapplied after they have been removed. Masks should not be left dangling around the neck. Touching the front of the mask while wearing it should be avoided. Hand hygiene should be performed upon touching or discarding a used mask.

CLOTHING PROTECTION



A person wearing a white protective suit and blue gloves is shown from the waist down, splashing a large amount of bright green liquid. The liquid is splashing upwards and outwards, creating a large, dynamic splash against a black background. The person's legs are bent, and their feet are visible, wearing white sneakers. The overall scene suggests a hazardous material spill or a controlled experiment in a laboratory setting.

Clothing Protection 128-145

The Standards 130-131

Disposable Coveralls 132-139

Disposable Clothing 140-143

Safety Vests 144-145

DISPOSABLE COVERALL STANDARDS

To assist in the selection and use of disposable coveralls, six levels or 'Types' of protection have been developed within the European Union and under Category 3 Protective Clothing.

Disposable coveralls sold into the Australian market have adopted these same standards and norms and should always conform to the provisions of Regulation (EU) 2016/425 and the relevant harmonised standards which are outlined below.



TYPE 1

Gas Proof Suits

Fully sealed suits, EN 943.



TYPE 2

Limited Gas-Tightness

Suits prevent dust, liquids and vapours from penetrating at overpressure, as listed in EN 943.



TYPE 3 & 3B

Liquid-proof Protection

Suits are approved to withstand compressed fluid e.g. from hoses and nozzles. The suits must have welded seams. Penetration testing has to be conducted according to EN 369 to provide information on protection in relation to individual chemicals, as listed in EN 14605. Type 3B protects against biologically contaminated particles, as listed in EN 14126.



TYPE 4 & 4B

Splash-proof Protection

Suits are approved for the saturation of a liquid that can condense on the suit. The suits must have welded seams. Penetration testing has to be conducted according to EN 369 to provide information on protection in relation to individual chemicals, as listed in EN 14605. Type 4B protects against biologically contaminated particles, as listed in EN 14126.



TYPE 5 & 5B

Harmful Substance Protection

Suits protect against harmful substances, EN 13982. Type 5B protects against biologically contaminated particles, as listed in EN 14126.



TYPE 6 & 6B

Limited Splash-proof Protection

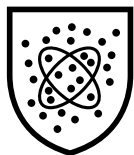
Suits protect when there is a risk of splashing on the suit, as listed in EN 13034. Type 6B protects against biologically contaminated particles, as listed in EN 14126.



EN 14126

Biologically Contaminated Particles

Protects against biologically contaminated particles, as listed in EN 14126.



EN 1073-2

Radioactive Particle Contamination

Protects against radioactive particle contamination in accordance with EN 1073-2, (not against radioactive radiation).



EN 1149-5

Electrostatic Protection

Electrostatic protection according to EN 1149-5 (with proper earthing).



EN ISO 14116

Protection Against Heat & Flame Spread

Classification as followed:

Index 1: hole may be formed, no flame spread, no flaming debris.

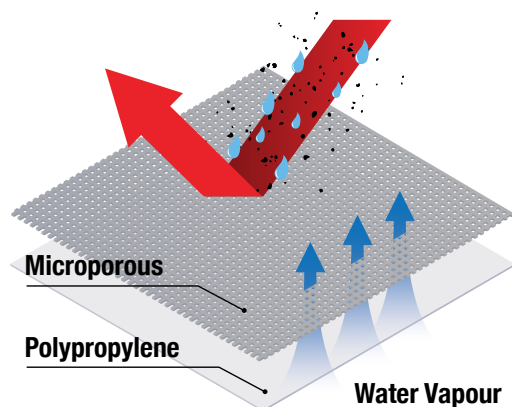
Index 2: no hole formation, no flame spread, no flaming debris, after flame / glow time > 2 seconds.

Index 3: no hole formation, no flame spread, no flaming debris, after flame / glow time < 2 seconds.

MATERIAL CONSTRUCTION GUIDE

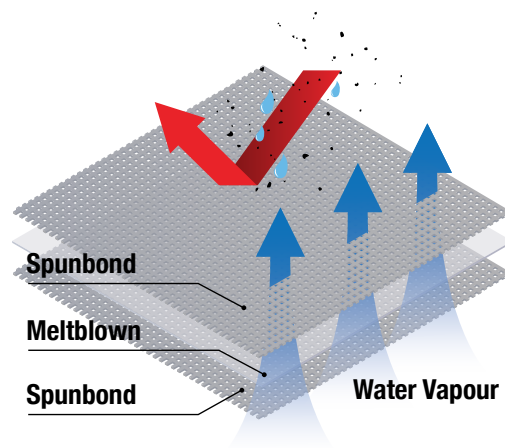
There are multiple types of materials that are used in the manufacture of disposable coveralls. These materials vary not only in the protection levels they offer but also in their tensile strength, puncture resistance, breathability, softness and weight. Each have specific features unique to their composition.

Fabric Types



MICROPOROUS FILM

This fabric is comprised of a microporous film with a polypropylene layer sandwiched between the film and substrate to provide a superior combination of high tensile strength, barrier protection, and breathability. This material offers a high level of dry particle protection as well as protection from liquid penetration.

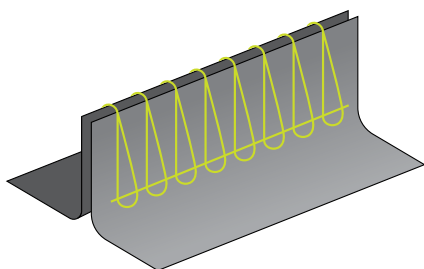


SMS

Spunbond Meltblown Spunbond (SMS) is a unique trilaminate construction that offers good tensile strength and barrier protection. Usually more breathable than Microporous and often selected to keep wearers cooler whilst working in high heat areas. The softer feel of SMS makes it a comfortable choice. SMS can be anti-static, fire retardant treated, or liquid proofed, allowing for a variable range of applications.

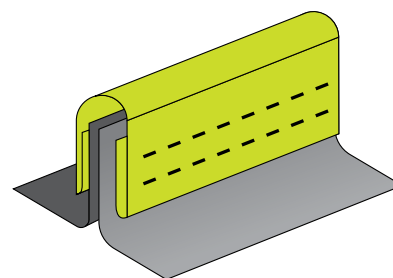
Seam Construction

SERGED SEAM



Two pieces of material are joined with a thread stitch that interlocks, creating a robust, particle resistant seam solution - essential protection for most general-purpose applications.

BOUND SEAM



Two pieces of material are joined with an overlay of similar material and chain stitched through all layers for increased strength plus holdout of liquids and dry particulates. Ideal for reduced spray and spray tight protection.

DISPOSABLE COVERALL SIZING & CARE

Force360's range of disposable coveralls are designed with the wearer in mind offering generous sizing and maximum protection. In order to ensure safe use and disposal it is recommended that you follow the below storage and disposal instructions as a minimum.

GARMENT SIZING

Force360 coveralls are cut and sized to provide a consistent fit, maximising protection, comfort and durability.

Size	Chest	Height
Small (S)	86 - 94cm	158 - 166cm
Medium (M)	94 - 102cm	166 - 174cm
Large (L)	102 - 110cm	174 - 182cm
Extra Large (XL)	110 - 118cm	182 - 190cm
2 Extra Large (2XL)	118 - 129cm	190 - 198cm
3 Extra Large (3XL)	129 - 141cm	198 - 206cm
4 Extra Large (4XL)	141 - 153cm	206 - 214cm
5 Extra Large (5XL)	153 - 165cm	214 - 222cm

SHELF-LIFE

All Force360 coveralls have a five-year minimum shelf-life. Coveralls must remain unopened and correctly stored in cool, dry conditions free from sun exposure or intense light to adhere to this minimum shelf-life.

Discolouration is common, especially in white coveralls, with the substrate tending towards a yellow hue; however, this discolouration does not affect the performance of the coverall.

For coveralls designed to protect against Type 3 and below, we recommend that after the five-year shelf-life has expired, they be disposed of in accordance with disposal instructions or reinstated as training suits.

Before use, all coveralls, regardless of age, should always be inspected for degradation and physical damage. Damaged or degraded coveralls should be immediately disposed of.

STORAGE

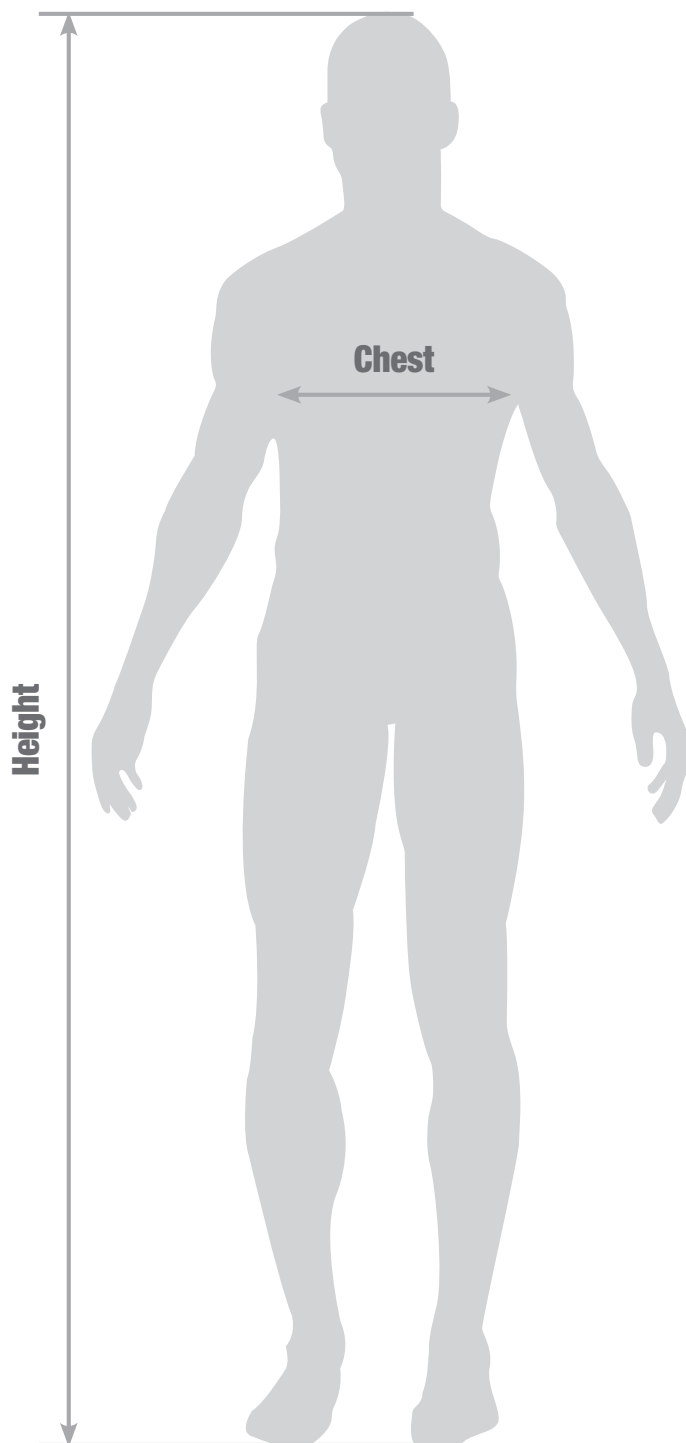
All Force360 coveralls should be stored in their original packaging, away from direct sunlight or intense light.

If packaged in original cartons, coveralls can remain in standard warehouse conditions. Cartons should remain in conditions between -10°C and 40°C.

DISPOSAL

Coveralls that have not been in contact with hazardous material can be disposed of in local rubbish collections or incinerated without affecting the external environment due to hazardous emissions.

Contaminated coveralls must always be disposed of according to the MSDS of the particular chemical that has come into contact with the coverall. It is the wearer's responsibility to ensure the correct disposal of contaminated coveralls.



CFPR180

MaxRepel+

Size: S-4XL

1



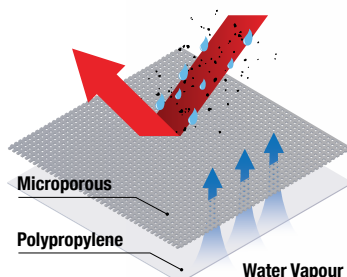
50



- 65gsm microporous fabric combines excellent tensile strength with good breathability
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- Thumb loops prevent sleeves riding up when arms are elevated
- Stick down flap protects the zip from liquids and particle ingress
- 3 piece hood provides additional comfort and head movement over traditional design
- Bound seams provide strength and high levels of barrier protection
- Hi-vis trim for increased visual awareness

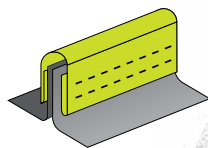
Microporous Fabric

This fabric is comprised of a microporous film with a polypropylene layer sandwiched between the film and substrate to provide a superior combination of high tensile strength, barrier protection, and breathability. This material offers a high level of dry particle protection as well as protection from liquid penetration.



Bound Seams

Two pieces of material are joined with an overlay of similar material, and chain stitched through all layers for increased strength plus holdout of liquids and dry particulates. Ideal for reduced spray and spray tight protection.



STANDARDS + CERTIFICATION

Category III PPE according to Regulation (EU) 2016/425



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Issued by Centro Tessile Cotoniero e Abbigliamento S.p.A
Piazza S. Anna, 2 21052 Busto Arsizio (VA) ITALY
Notified Body Number - 0624

SPRAY TIGHT PROTECTIVE COVERALLS	PARTICLE TIGHT PROTECTIVE COVERALLS	LIMITED SPRAY TIGHT PROTECTIVE COVERALLS	PROTECTIVE COVERALLS WITH ANTI-STATIC PROPERTIES	PROTECTIVE COVERALLS AGAINST INFECTIOUS AGENTS	NUCLEAR PARTICLE
EN14605:2005 +A1:2009 Type 4B	EN ISO 13982-1:2004 +A1:2010 Type 5B	EN13034:2005 +A1:2009 Type 6B	EN1149-5:2008	EN14126:2003 AC:2004	EN1073-2:2002 Class 1

- Effective splash barrier from blood, body fluid and other infectious agents
- Direct virus and bacteria penetration protection
- Particle tight protection including asbestos, silica, and hazardous particles to 0.6µm
- Liquid spray tight to protect from light sprays of hazardous liquids
- Anti-static treatment to EN 1149 to reduce charge build up
- Provides a barrier to radioactive contaminated particles to level 1 under EN 1073:2002

CFPR179

Repel

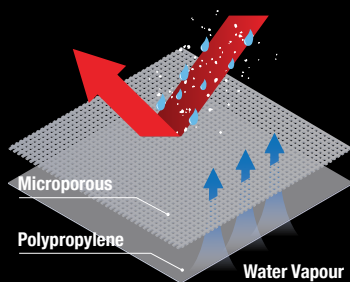
Size: L-4XL

1 50

- 65gsm microporous fabric combines excellent tensile strength with good breathability
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- Thumb loops prevent sleeves riding up when arms are elevated
- Stick down flap protects the zip from liquids and particle ingress
- 3 piece hood provides additional comfort and head movement over traditional design
- Serged seams provide strength and good levels of barrier protection

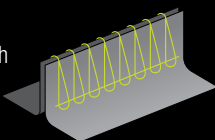
Microporous Fabric

This fabric is comprised of a microporous film with a polypropylene layer sandwiched between the film and substrate to provide a superior combination of high tensile strength, barrier protection, and breathability. This material offers a high level of dry particle protection as well as protection from liquid penetration.



Serged Seams

Two pieces of material are joined with thread stitch that interlocks creating a strong, particle resistant seam solution. Basic protection for most general-purpose applications.



STANDARDS + CERTIFICATION

Category III PPE according to Regulation (EU) 2016/425



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PARTICLE TIGHT
PROTECTIVE
COVERALLS



EN ISO 13982-1:2004
+A1:2010
Type 5B

LIMITED
SPRAY TIGHT
PROTECTIVE
COVERALLS



EN13034:2005
+A1:2009
Type 6B

PROTECTIVE
COVERALLS WITH
ANTI-STATIC
PROPERTIES



EN1149-5:2008

PROTECTIVE
COVERALLS
AGAINST
INFECTIOUS
AGENTS



EN14126:2003
AC:2004

NUCLEAR
PARTICLE



EN1073-2:2002
Class 1

- Effective splash barrier from blood, body fluid and other infectious agents
- Direct virus and bacteria penetration protection
- Particle tight protection including asbestos, silica, and hazardous particles to 0.6µm
- Limited liquid spray tight to protect from light sprays of hazardous liquids
- Anti-static treatment to EN1149 to reduce charge build up
- Provides a barrier to radioactive contaminated particles to level 1 under EN 1073:2002

CFPR185

**NEW
PRODUCT[†]**

Repel HV

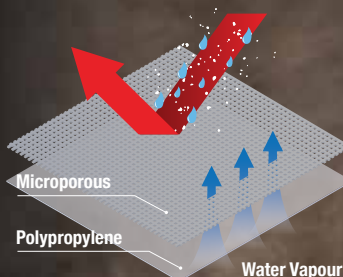
Size: XL-3XL

1 50

- 65gsm microporous fabric combines excellent tensile strength with good breathability
- 50mm reflective tape for enhanced visibility
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- Thumb loops prevent sleeves riding up when arms are elevated
- Stick down flap protects the zip from liquids and particle ingress
- 3 piece hood provides additional comfort and head movement over traditional design
- Serged seams provide strength and good levels of barrier protection

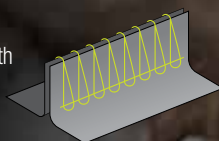
Microporous Fabric

This fabric is comprised of a microporous film with a polypropylene layer sandwiched between the film and substrate to provide a superior combination of high tensile strength, barrier protection, and breathability. This material offers a high level of dry particle protection as well as protection from liquid penetration.



Serged Seams

Two pieces of material are joined with thread stitch that interlocks creating a strong, particle resistant seam solution. Basic protection for most general-purpose applications.



STANDARDS + CERTIFICATION

Category III PPE according to Regulation (EU) 2016/425



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Notified Body Number - 0624

PARTICLE TIGHT
PROTECTIVE
COVERALLS



EN ISO 13982-1:2004
+A1:2010
Type 5B

LIMITED
SPRAY TIGHT
PROTECTIVE
COVERALLS



EN13034:2005
+A1:2009
Type 6B

PROTECTIVE
COVERALLS WITH
ANTI-STATIC
PROPERTIES



EN1149-5:2008

PROTECTIVE
COVERALLS
AGAINST
INFECTIOUS
AGENTS



EN14126:2003
AC:2004

NUCLEAR
PARTICLE



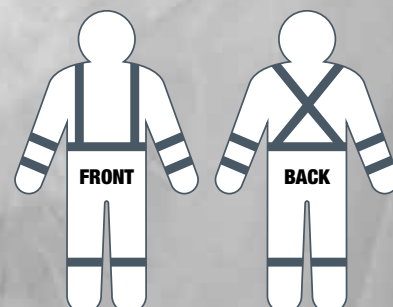
EN1073-2:2002
Class 1

- Effective splash barrier from blood, body fluid and other infectious agents
- Direct virus and bacteria penetration protection
- Particle tight protection including asbestos, silica, and hazardous particles to 0.6µm
- Limited liquid spray tight to protect from light sprays of hazardous liquids
- Anti-static treatment to EN1149 to reduce charge build up
- Provides a barrier to radioactive contaminated particles to level 1 under EN 1073:2002
- Reflective Tape luminicity to EN ISO 20471:2013

[†]Refer to pricelist for product availability dates



Tape Configuration



CFPR181 / CFPR182

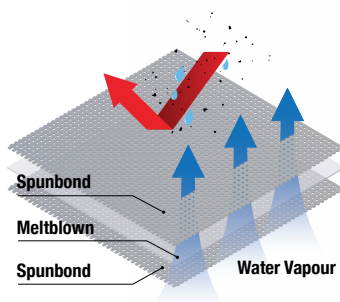
Defender

Size: CFPR181 S-5XL | CFPR182 S-4XL 1 50

- 55gsm highly breathable triple layer SMS material for hot and humid environments
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- Thumb loops prevent sleeves riding up when arms are elevated
- Stick down flap protects the zip from liquids and particle ingress
- 3 piece hood provides additional comfort and head movement over traditional design
- Serged seams provide strength and good levels of barrier protection

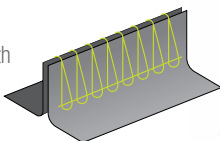
SMS Fabric

Spunbond Meltblown Spunbond (SMS) is a unique trilaminate construction, that offers good tensile strength and barrier protection. Usually more breathable than Microporous and often selected to keep wearers cooler whilst working in high heat areas. The softer feel of SMS makes it a comfortable choice. SMS can be anti-static, fire retardant treated, or liquid proofed that allows for a variable range of applications.



Serged Seams

Two pieces of material are joined with thread stitch that interlocks creating a strong, particle resistant seam solution. Basic protection for most general-purpose applications.



STANDARDS + CERTIFICATION

Category III PPE according to Regulation (EU) 2016/425



Manufactured under license with EC
Type Examination Issued by Centro Tessile
Cotoniero e Abbigliamento S.p.A Piazza S. Anna,
2 21052 Busto Arsizio (VA) ITALY Notified Body Number - 0624

PARTICLE TIGHT
PROTECTIVE
COVERALLS



EN ISO 13982-1:2004
+A1:2010
Type 5B

LIMITED
SPRAY TIGHT
PROTECTIVE
COVERALLS



EN 13034:2005
+A1:2009
Type 6B

- Particle tight protection including asbestos, silica, and hazardous particles to 0.6µm
- Limited liquid spray tight to protect from light sprays of hazardous liquids

CFPR181


CFPR182

CFPR184

**NEW
PRODUCT[†]**

Defender HV

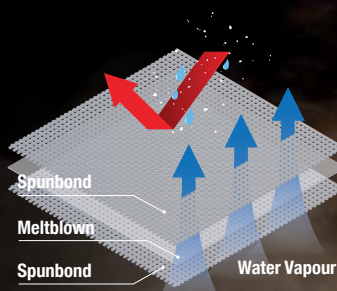
Size: XL-3XL

1  50 

- 55gsm highly breathable triple layer SMS material for hot and humid environments
- 50mm reflective tape for enhanced visibility
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- Thumb loops prevent sleeves riding up when arms are elevated
- Stick down flap protects the zip from liquids and particle ingress
- 3 piece hood provides additional comfort and head movement over traditional design
- Serged seams provide strength and good levels of barrier protection

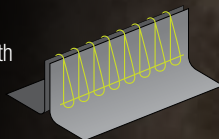
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Two pieces of material are joined with thread stitch that interlocks creating a strong, particle resistant seam solution. Basic protection for most general-purpose applications.



STANDARDS + CERTIFICATION

Category III PPE according to Regulation (EU) 2016/425



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S.p.A Piazza S. Anna, 2 21052 Busto Arsizio (VA) ITALY
Notified Body Number - 0624

PARTICLE TIGHT
PROTECTIVE
COVERALLS



EN ISO 13882-1:2004
+A1:2010
Type 5B

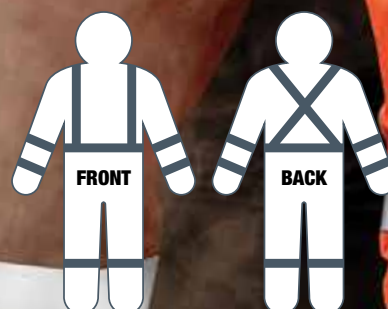
LIMITED
SPRAY TIGHT
PROTECTIVE
COVERALLS



EN 13034:2005
+A1:2009
Type 6B

- Particle tight protection including asbestos, silica, and hazardous particles to 0.6µm
- Limited liquid spray tight to protect from light sprays of hazardous liquids
- Reflective Tape luminicity to EN ISO 20471:2013

Tape Configuration



[†]Refer to pricelist for product availability dates

CFPR183

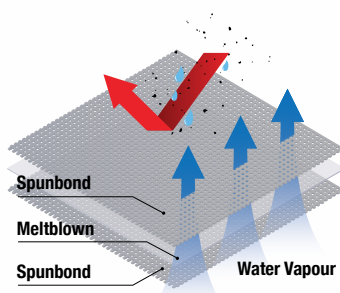
Defender FR

Size: XL-3XL 1 50

- 55gsm highly breathable triple layer SMS material for hot and humid environments
- Flame retardant coating*
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- Thumb loops prevent sleeves riding up when arms are elevated
- 3 piece hood provides additional comfort and head movement over traditional design
- Serged seams provide strength and good levels of barrier protection

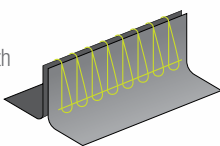
SMS Fabric

Spunbond Meltblown Spunbond (SMS) is a unique trilaminate construction, that offers good tensile strength and barrier protection. Usually more breathable than Microporous and often selected to keep wearers cooler whilst working in high heat areas. The softer feel of SMS makes it a comfortable choice. SMS can be anti-static, fire retardant treated, or liquid proofed that allows for a variable range of applications.



Serged Seams

Two pieces of material are joined with thread stitch that interlocks creating a strong, particle resistant seam solution. Basic protection for most general-purpose applications.



STANDARDS + CERTIFICATION

Category III PPE according to Regulation (EU) 2016/425



Manufactured under license with EC Type Examination
Issued by Centro Tessile Cottoniero e Abbigliamento
S.p.A Piazza S. Anna, 2 21052 Busto Arsizio (VA) ITALY
Notified Body Number - 0624

PARTICLE TIGHT
PROTECTIVE
COVERALLS



EN ISO 13982-1:2004
+A1:2010
Type 5

LIMITED
SPRAY TIGHT
PROTECTIVE
COVERALLS



EN 13034:2005
+A1:2009
Type 6

PROTECTIVE
COVERALLS WITH
ANTI-STATIC
PROPERTIES



EN 1149-5:2008

NUCLEAR
PARTICLE



EN 1073-2:2002
Class 1

PROTECTIVE
CLOTHING
PROTECTION
AGAINST FLAME



EN ISO 14116:2015
Index 1/0/0

- Particle tight protection including asbestos, silica, and hazardous particles to 0.6µm
- Limited liquid spray tight to protect from light sprays of hazardous liquids
- Flame retardant to EN 14116 Index 1*
- Anti-static treatment to EN 1149 to reduce charge build up
- Class 1 rated against Radioactive particle contamination

*Flame Retardant disposable coveralls must be worn over thermal protective garments to EN 14116 index 2 or above.





DISPOSABLE CLOTHING MATERIAL GUIDE

Force360's range of disposable materials are designed with the wearer in mind offering maximum protection throughout short term application.



MICROPOROUS

This fabric is comprised of a microporous film with a polypropylene layer sandwiched between the film and substrate, to provide a superior combination of high tensile strength, barrier protection, and breathability. This material offers a high level of dry particle protection as well as protection from liquid penetration.



SMS

Spunbond Meltblown Spunbond (SMS) is a unique trilaminate construction, that offers good tensile strength and barrier protection. Usually more breathable than Microporous and often selected to keep wearers cooler whilst working in high heat areas. The softer feel of SMS makes it a comfortable choice. SMS can be anti-static, fire retardant treated, or liquid proofed that allows for a variable range of applications.



SPP

Spunbonded Polypropylene is a lightweight and breathable fabric offering exceptional protection against non-hazardous dry particles. It is an economical solution to protecting workers in dry, dirty environments.



PE

Polyethylene (PE) is a thermoplastic polymer and one of the most widely produced plastics in the world. Being a thermoplastic means PE can be heated to its melting point more than once without significant degradation, meaning products manufactured out of this material are easily recyclable. PE provides great short term liquid barrier protection but lacks breathability, resembling more of a plastic than a cloth.



LDPE

Low Density Polyethylene (LDPE) is the low density version of PE. Similar to PE, LDPE has excellent resistance to water, moisture and most organic solvents and chemicals. LDPE has high ductility but low tensile strength, which is evident by its propensity to stretch. LDPE is highly flexible and perfect for protective garments which have a short term requirement.



CPE

Like Polyethylene, CPE (Chlorinated Polyethylene) is also a polymer, however it is produced through a substitution reaction between polyethylene and chlorine. This reaction gives CPE better water resistance, aging-resistance and chemical-resistance.



CFPR700

Microporous Armsleeve

200

- 65gsm microporous material provides added breathability and liquid resistance through its layered construction
- Lint free construction
- Stitched seams for product durability
- Elasticised cuffs for a secure fit
- Tapered fit
- Length - 460mm

CWRX711

CWRX712

NEW
PRODUCT[†]

PE Armsleeve

2000 (CWRX711)

1000 (CWRX712)

- 20µm lightweight Polyethylene (PE) impervious material
- Impervious protection against non-hazardous dry particle and water-based liquid sprays
- Securley fits with elastic on each end
- Suitable to be used in food production applications
- Full forearm protection

Available Sizes

CWRX711 - 40 x 20cm | CWRX712 - 46 x 22cm



CWRX700

CWRX701

NEW
PRODUCT[†]

1000

SPP Crimped Cap

- 12gsm lightweight Spunbonded Polypropylene (SPP) non-woven premium crimped cap
- Lightweight breathable non woven material
- Effectively captures hair and skin shed
- Double elastic
- Suitable for food and medical applications
- Size - 52cm (21")

Available Colours

☐ CWRX700 - White
 ☒ CWRX701 - Blue


CWRX702

CWRX703

NEW
PRODUCT[†]

1000

SPP Double Loop Beard Cover

- 12gsm lightweight Spunbonded Polypropylene (SPP) non-woven premium beard cover
- Effectively captures hair and skin shed
- Double loop for general facial hair coverage
- Double elastic
- Suitable for food and medical applications

Available Colours

☐ CWRX702 - White
 ☒ CWRX703 - Blue
[†]Refer to pricelist for product availability dates

CFPR701

SMS Overboot with PVC Sole

200 

- ▲ 55gsm spunbond meltblown spunbond (SMS) provides added breathability and liquid resistance through layered construction
- ▲ Anti-slip PVC sole
- ▲ Large opening and generous sizing for easy fitting
- ▲ Sewn ties and elasticated top to secure the overboot in place
- ▲ Stitched seams for product durability



Anti-slip PVC sole



CWRX704

SPP Non-Skid Shoe Cover

NEW
PRODUCT[†]1000 

- ▲ 35gsm lightweight Spunbonded Polypropylene (SPP) non-woven material
- ▲ Non slip embossed sole for improved grip
- ▲ Prevents contamination from shoes in sensitive work environments
- ▲ Elasticated ankle for a secure fit
- ▲ Suitable for food and medical applications
- ▲ Blue in colour for easy identification
- ▲ Size - 40 x 16cm

CWRX705

CPE Shoe Cover

NEW
PRODUCT[†]2000 

- ▲ Chlorinated Polyethylene (CPE) provides excellent physical and mechanical properties
- ▲ Impervious protection against non-hazardous dry particle and water-based liquid sprays
- ▲ Elasticated ankle for a secure fit
- ▲ Suitable to be used in food production applications
- ▲ Blue in colour for easy identification
- ▲ Size - 40 x 16cm

[†] Refer to pricelist for product availability dates



**NEW
PRODUCT***

CWRX706 / CWRX707

SPP Laboratory Coat

50

- 28gsm lightweight Spunbonded Polypropylene (SPP) non-woven material
- Protection from non hazardous dry particle and water based liquid sprays and splashes
- Elasticated wrists
- Velcro front closure
- Single collar design
- Suitable for food and medical use
- Available in sizes XL & 3XL

Available Colours

☐ CWRX706 - White ☒ CWRX707 - Blue



**NEW
PRODUCT***

CWRX708

CPE Isolation Gown

100

- Chlorinated Polyethylene (CPE) provides excellent physical and mechanical properties
- Impervious protection against non-hazardous dry particle and water-based liquid sprays and splashes
- Ties at back of waist and round neck
- Thumb loops
- Suitable for food and medical applications
- Generous body coverage 96 x 120cm



**NEW
PRODUCT***

CWRX709 / CWRX710

LDPE Disposable Apron

1000

- 20µm lightweight Low-Density Polyethylene (LDPE) impervious material
- Impervious protection from non hazardous dry particle and water based liquid sprays and splashes
- Ties at back for secure fit
- Generous body coverage 80 x 125cm

Available Colours

☐ CWRX709 - White ☒ CWRX710 - Blue

*Refer to pricelist for product availability dates





CWRX190

Size: S-4XL

Day Safety Vest

1 25

- Durable 100% polyester material
- Dual velcro closure for convenient fit and comfort
- Class D - Garments suitable for day use only. High-visibility garments compliant to AS/NZS 4602.1:2011, AMD 1:2016



CWRX191

Size: S-4XL

Day Safety Vest

1 25

- Durable 100% polyester material
- Dual velcro closure for convenient fit and comfort
- Class D - Garments suitable for day use only. High-visibility garments compliant to AS/NZS 4602.1:2011, AMD 1:2016



CWRX192

Size: S-4XL

Day/Night Safety Vest

1 25

- Durable 100% polyester material
- Dual velcro closure for convenient fit and comfort
- 50mm sewn reflective tape ensures extended life
- 'H' pattern reflective tape on rear of vest
- Rear tail band for added visibility and safety when bending
- Class D/N - Garments suitable for day or night use as per AS/NZS 4602.1:2011, AMD 1:2016. High-visibility garments compliant to AS/NZS 1906.4:2010.



CWRX193

Size: S-4XL

Day/Night Safety Vest


1 25

- Durable 100% polyester material
- Dual velcro closure for convenient fit and comfort
- 50mm sewn reflective tape ensures extended life
- 'H' pattern reflective tape on rear of vest
- Rear tail band for added visibility and safety when bending
- Class D/N - Garments suitable for day or night use as per AS/NZS 4602.1:2011, AMD 1:2016. High-visibility garments compliant to AS/NZS 1906.4:2010.

CWRX194

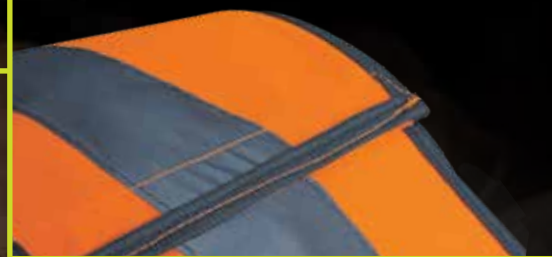
Size: S-4XL

Day/Night Safety Vest

1  25 

- ▲ Durable 100% polyester material
- ▲ Easy tear away hook and loop shoulders and sides for added safety
- ▲ 50mm sewn reflective tape ensures extended life
- ▲ 'X' pattern reflective tape on rear of vest
- ▲ Front double pocket with pen and mobile partition
- ▲ Identification pocket
- ▲ Rear tail band for added visibility and safety when bending
- ▲ Class D/N - Garments suitable for day or night use as per AS/NZS 4602.1:2011, AMD 1:2016. High-visibility garments compliant to AS/NZS 1906.4:2010.

Easy tear away shoulders and sides



HEAD

PROTECTION



DESIGNED
TO PROTECT





Head Protection 146-159

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AS/NZS 1801:1997

OCCUPATIONAL PROTECTION HELMETS

The objective of this standard is to specify protective helmets that are to be worn in a variety of occupations, in order to reduce the severity of head injury from hazards associated with such activities.

There are several methods of testing hard hat performance and safety criteria under the standard, including:

- Resistance to penetration as specified within AS/NZS 1801:1997
- Stiffness of the shell as specified within AS/NZS 1801:1997
- Electrical resistance as specified within AS/NZS 1801:1997



**Australian
Standard**
AS/NZS
1801:1997
Lic. No. 21741

TYPES OF HARD HATS

	Material	Environments	Variations
Type 1	ABS Plastics	Construction, building, general, industry, mining and forestry	Vented Cooling for high heat environments Non-Vented Ideal for dust and chemical environments Full Brim Provides added protection from falling objects, sun and rain
Type 2	Polycarbonate	High heat environments; foundries and smelters	
Type 3	Polycarbonate with bush fire applications	High heat environment; bush fire and wildfire fighting	Non-Vented/Full brim only *Type 3 is the helmet tested and approved in accordance with AS/NZS 1801 with reflective tape and chinstrap

Vented



Non-Vented



AS/NZS 1800:1998

Cleaning, Maintenance and Replacement of Hard Hats

- Consult the manufacturer's information on proper care and maintenance, including which cleaning products and other materials may have a damaging effect on the hat
- Clean the hard hat regularly with warm water and soap, allowing it to air dry
- Inspect the shell, headband, suspension system and other accessories daily before use. These inspections should focus on finding cracks, tears, punctures, holes and any other damage. The headband mustn't be stretched or worn out and the hat should always fit well and comfortably
- Store the hard hat in a safe environment that is away from any direct sunlight or extremes of temperature
- Avoid contact with paints, paint thinners or corrosive cleaning agents, which can weaken the shells of the hats and even eliminate electrical resistance
- Do not drill holes in the hard hat and avoid applying labels as it may reduce the integrity of the protection

Replacing Hard Hats

- You should immediately replace a hard hat if there are any signs of cracking, perforation or deformity to any part of the hard hat
- You should immediately replace a hard hat if there is any indication of exposure to heat, chemicals, UV light or any signs of flaking and loss of surface gloss
- You should immediately replace a hard hat if it experiences any serious impact, even if it shows no visible signs of the impact
- You should periodically replace a hard hat after three years from the date of issue. The hard hat must have a sticker on the inside of the shell that allows the date of issue to be recorded. The internal harness should be replaced every two years
- Whilst under the AS/NZS 1800:1998 standard there is no maximum shelf life date, manufacturers recommend hard hats should not be sold if they are older than five years. All hard hats must be stamped with their manufactured month and year
- This date is found stamped on the inside of the hard hat, usually on the peak



Australian Made & Owned

Proudly made in Australia, this symbol shows that all our hard hats are not only Made in Australia, but are made by a wholly owned and operated Australian company... ***the only hard hat brand in Australia that can lay claim to this.***

Support Australian manufacturing by buying Australian Made.

- Certified to AS/NZS 1801:1997
- The Quality Assurance program ensures that every helmet can be traced back to it's production batch and raw materials match if required
- Every product is inspected during assembly and individually packed in plastic bags to prevent scuffing and soiling during storage and transport
- Only 100% virgin polymers are used in the manufacturing process
- All plastics used during the production of the hard hats are recyclable



Ratchet vs Pinlock



RATCHET

Ratchet closures allow a hard hat fit to be adjusted with a small wheel found on the rear of the hard hat, and offer several advantages over pinlock. The internal harness can be tightened and loosened with the simple turn of the ratchet wheel. This can be done with one hand and without taking the hard hat off.

The ratchet can also be more finely adjusted so that the hard hat fits with enough pressure to minimise the chance of the hard hat falling off even when the wearer is constantly moving their head up and down, working in confined spaces or on challenging terrain.



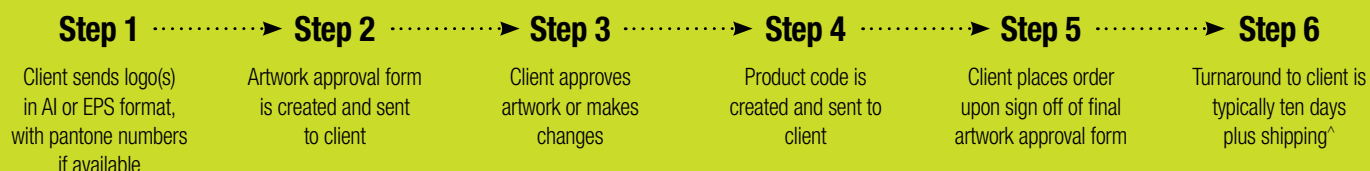
PINLOCK

Traditionally hard hats use a closure system known as pinlock. The pinlock system provides an effective way of fitting the hard hat securely to create a comfortable fit. This is done with a simple slide system that utilises slotted holes, much like a waist belt for trousers.

Under most conditions the pinlock system allows wearers to adjust their hard hat fit to maximise comfort in a safe and secure way, making the hard hat perfect for all day use.

Pad Printing

Streamlined 6 Step Process



Printing Specifications

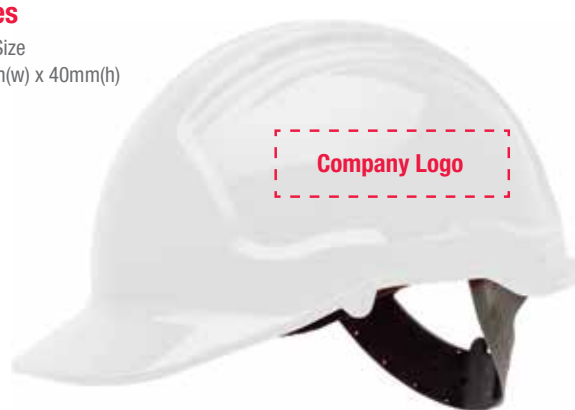
Front Centre

Max Size
70mm(w) x 50mm(h)



Sides

Max Size
70mm(w) x 40mm(h)



Back

Max Size
50mm(w) x 50mm(h)





Australian
Standard
AS/NZS
1801:1997
Lic. No. 21741

Premium Hard Hat - Type 1

10 (colours)



20 (white)



- ▲ AS/NZS 1801:1997 certified protection
- ▲ Lightest Type 1 hard hat on the Australian market, made with high impact ABS
- ▲ Premium 6 point harness is made from terylene that ensures comfort and cushioning
- ▲ Adjustable pinlock or ratchet harness for a secure fit
- ▲ Unique accessory slot ensures most 25mm and 30mm earmuff, visor adaptors, and the like fit securely
- ▲ Reinforced rain peak
- ▲ Pad printable in four areas up to four colours
- ▲ Custom coloured hard hats can be made to order (MOQ applies)

Standard Colours



MTO Colours*



Available Options



HPFPR56
Non-vented



HPFPR57
Vented



HPFPR56R
Non-vented



HPFPR57R
Vented

Retail Ready Kits

Premium Pinlock Hard Hat Kit

10 (mixed)

2x Blue, 2x Yellow, 2x Green,
2x Red, 2x Black

HPFPR56K - Non-vented Pinlock

HPFPR57K - Vented Pinlock



Premium Ratchet Hard Hat Kit

10 (mixed)

2x Blue, 2x Yellow, 2x Green,
2x Red, 2x Black

HPFPR56RK - Non-vented Ratchet

HPFPR57RK - Vented Ratchet



*Minimum quantities and lead times apply.

Premium Hard Hat - Type 2

20 

- AS/NZS 1801:1997 certified protection
- Type 2 high heat rated polycarbonate for use in areas that have the risk of heat exposure to the wearer
- Premium 6 point harness is made from terylene that ensures comfort and cushioning
- Adjustable pinlock or ratchet harness for a secure fit
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Reinforced rain peak
- Pad printable in four areas up to four colours
- Custom coloured hard hats can be made to order (MOQ applies)



MTO Colours



White



Yellow

Available Options



HPFPR60
Non-vented Pinlock



HPFPR61
Vented Pinlock



HPFPR60R
Non-vented Ratchet



HPFPR61R
Vented Ratchet

Miners Hard Hat - Type 1

20 

- AS/NZS 1801:1997 certified protection
- Metal or poly lamp bracket with leather rear lead clip
- Lightest Type 1 hard hat on the Australian market, made with high impact ABS
- Premium 6 point harness is made from terylene that ensures comfort and cushioning
- Adjustable pinlock or ratchet harness for a secure fit
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Reinforced rain peak
- Pad printable in two areas up to four colours
- Custom coloured hard hats can be made to order (MOQ applies)



White



Yellow

Available Options



HPFPR56ML
Non-vented Pinlock Metal Bracket



HPFPR57ML
Vented Pinlock Metal Bracket



HPFPR56PL
Non-vented Pinlock Poly Bracket



HPFPR57PL
Vented Pinlock Poly Bracket



HPFPR56RML
Non-vented Ratchet Metal Bracket



HPFPR57RML
Vented Ratchet Metal Bracket



HPFPR56RPL
Non-vented Ratchet Poly Bracket



HPFPR57RPL
Vented Ratchet Poly Bracket

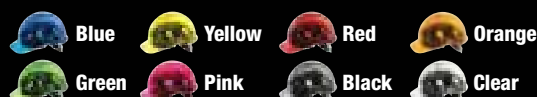
*Minimum quantities and lead times apply.



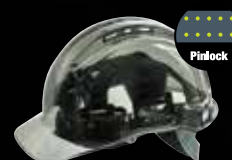
Clearview Hard Hat - Type 2

20

- AS/NZS 1801:1997 certified protection
- Unique transparent design allows the wearer increased vision above
- UV400 polycarbonate ensures you won't be sun burnt, and no damaging UV rays can penetrate
- Type 2 high heat rated polycarbonate for use in areas that have the risk of heat exposure to the wearer
- Premium 6 point harness is made from terylene that ensures comfort and cushioning
- Adjustable pinlock or ratchet harness for a secure fit
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Comes with vents to improve air circulation, ideal for wearing in hot and humid environments
- Reinforced rain peak
- Pad printable in four areas up to four colours
- Custom coloured hard hats can be made to order (MOQ applies)



Available Options



HPFPRCV63
Vented



HPFPRCV63R
Vented

Retail Ready Kits

Type 2 Pinlock Clearview Hard Hat Retail Kit

10 (mixed)

2x Blue, 1x Clear, 1x Green, 1x Orange,
1x Pink, 1x Red, 2x Smoke, 1x Yellow

HPFPRCV63K - Vented Pinlock



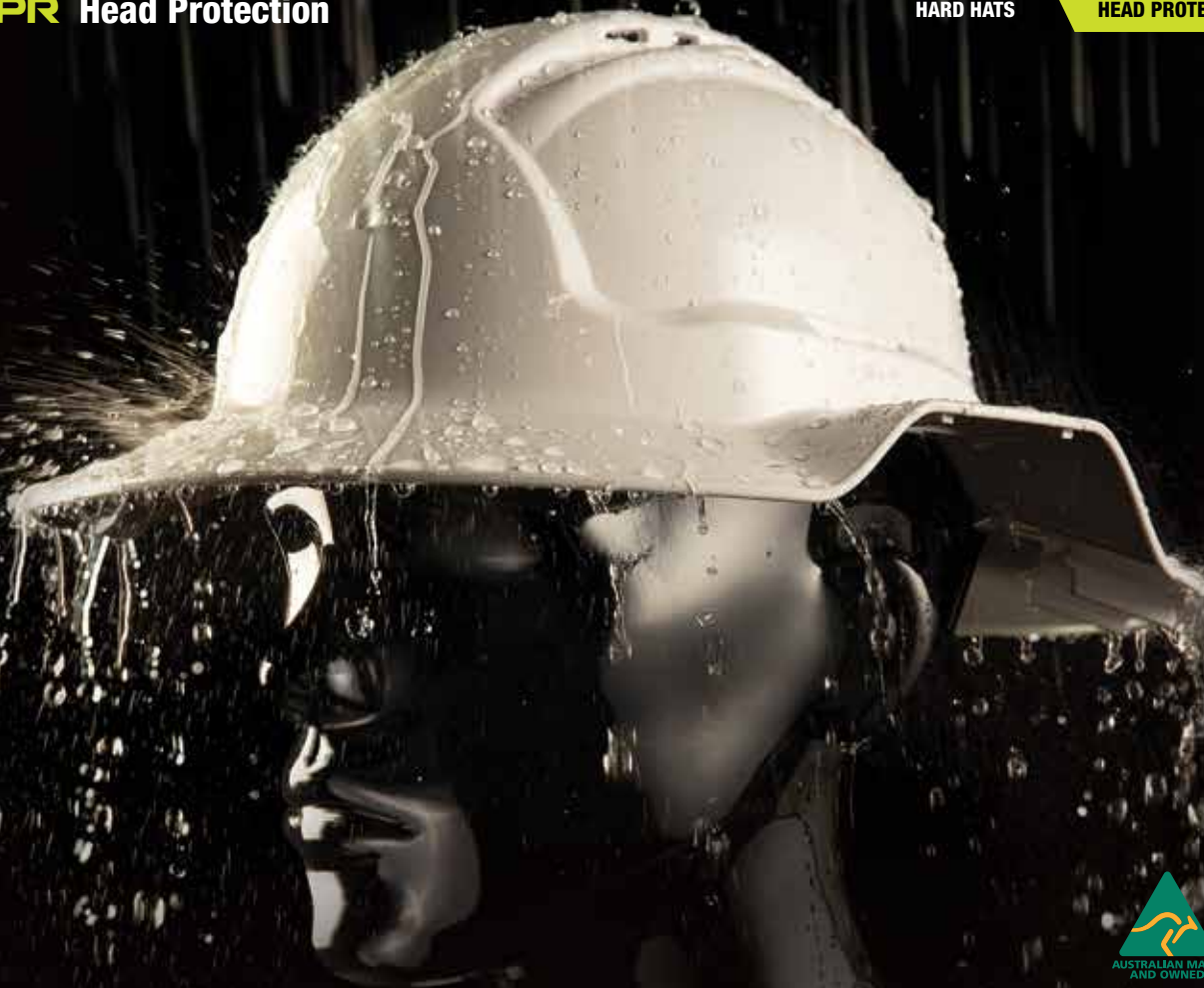
Type 2 Ratchet Clearview Hard Hat Retail Kit

10 (mixed)

2x Blue, 1x Clear, 1x Green, 1x Orange,
1x Pink, 1x Red, 2x Smoke, 1x Yellow

HPFPRCV63RK - Vented Ratchet





Broad Brim Hard Hat - Type 1 / Type 2#

10

- AS/NZS 1801:1997 certified protection
- Type 1 hard hat made with high impact ABS (HPFPRBB56R/HPFPRBB57R versions)
- Type 2 high heat rated polycarbonate for use in areas that have the risk of heat exposure to the wearer (HPFPRBB60R/HPFPRBB61R/HPFPRBB63R versions)
- Premium 6 point harness is made from terylene that ensures comfort and cushioning
- Rear ratchet wheel for single hand fit adjustment
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Comes with vents to improve air circulation, ideal for wearing in hot and humid environments
- Removable side inserts which allow earmuffs to be attached to the helmet
- Side inserts can be stored in the rear of the hard hat
- Extra wide brim to assist with sun and dirt/dust protection
- Pad printable in four areas up to four colours

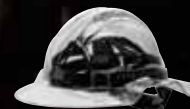
Available Options



HPFPRBB56R
Non-Vented
HPFPRBB57R - Vented



HPFPRBB60R*
Non-Vented
HPFPRBB61R* - Vented



HPFPRBB63R
Vented Clearview



HPFPRBB56RML
Non-Vented Metal Miners
HPFPRBB57RML
Vented Metal Miners



HPFPRBB56RPL
Non-Vented Poly Miners
HPFPRBB57RPL
Vented Poly Miners



Retail Ready Kits

Type 1 Ratchet Broad Brim Hard Hat Retail Kit

10 (mixed)

2x Blue, 2x Yellow, 2x Green, 2x Red, 2x Orange

HPFPRBB57RK - Vented Ratchet

*Minimum quantities and lead times apply.



Type 2 Ratchet Broad Brim Clearview Hard Hat Retail Kit

10 (mixed)

5x Blue, 5x Smoke


HPFPRBB63RK - Vented Ratchet





Retail Ready Kits

Type 1 Ratchet Hydro Dipped Hard Hat Retail Kit


5 (mixed) 

1x Carbon, 1x Gambler, 1x Flaming Dice, 1x Mad Skull, 1x Lightning

HPFPR57RHDK - Vented Ratchet



Type 1 Ratchet Hydro Dipped Broad Brim Hard Hat Retail Kit

5 (mixed) 

1x Carbon, 1x Gambler, 1x Flaming Dice, 1x Mad Skull, 1x Lightning

HPFPRBB57RHDK - Vented Ratchet



Hydro Dipped Hard Hat - Type 1

5 

- AS/NZS 1801:1997 certified protection
- Custom hydro dipped artwork
- Lightest Type 1 hard hat on the Australian market, made with high impact ABS
- Premium 6 point harness is made from terylene that ensures comfort and cushioning
- Rear ratchet wheel for single hand fit adjustment
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Reinforced rain peak
- Pad printable in four areas up to four colours



Available Designs



Carbon Fibre
HPFPR57R-HD1
Vented



The Gambler
HPFPR57R-HD2
Vented



Flaming Dice
HPFPR57R-HD3
Vented



Mad Skull
HPFPR57R-HD4
Vented



Lightning
HPFPR57R-HD5
Vented

Hydro Dipped Broad Brim Hard Hat - Type 1

5 

- AS/NZS 1801:1997 certified protection
- Custom hydro dipped artwork
- Type 1 hard hat made with high impact ABS
- Premium 6 point harness is made from terylene that ensures comfort and cushioning
- Rear ratchet wheel for single hand fit adjustment
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Comes with vents to improve air circulation, ideal for wearing in hot and humid environments
- Removable side inserts which allow earmuffs to be attached to the helmet
- Side inserts can be stored in the rear of the hard hat
- Extra wide brim to assist with sun and dirt/dust protection
- Pad printable in four areas up to four colours



Available Designs



Carbon Fibre
HPFPRBB57R-HD1
Vented Ratchet



The Gambler
HPFPRBB57R-HD2
Vented Ratchet



Flaming Dice
HPFPRBB57R-HD3
Vented Ratchet



Mad Skull
HPFPRBB57R-HD4
Vented Ratchet



Lightning
HPFPRBB57R-HD5
Vented Ratchet

Pre-Printed Hard Hat - Type 1

1  20 

- AS/NZS 1801:1997 certified protection
- Lightest Type 1 hard hat on the Australian market, made with high impact ABS
- Premium 6 point harness is made from terylene that ensures comfort and cushioning
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Pre-printed range comes with vents to improve air circulation, ideal for wearing in hot and humid environments
- Reinforced rain peak
- Pad printable in three areas up to four colours



Available Options



HPFPR57CW
Chief Warden



HPFPR57WA
Warden



HPFPR57AW
Area Warden



HPFPR57FA
First Aid



HPFPR57DCW
Deputy Chief Warden

Economy Hard Hat - Type 1

20 

- AS/NZS 1801:1997 certified protection
- Lightest Type 1 hard hat on the Australian market, made with high impact ABS
- Economy 6 point polyester comfort harness provides a cost effective option that ensures comfort and an adjustable pin lock strap for a secure fit
- Unique multi slot ensures most 25mm and 30mm accessories fit the hard hat
- Reinforced rain peak
- Pad printable in four areas up to four colours



Standard Colours



MTO Colours*



Available Options



HPWRX58
Non-vented



HPWRX59
Vented

*Minimum lead times and quantities apply.

Accessories



HPWORXSBSTD

50

Snap Brim

- Snap Brim is UPF50+ rated
- Designed to protect the neck and face from sun, heat and rain
- Removable neck flap
- ARC rated model available (*Part No - HPWORXSBSTDARC*)

Hi-Vis Yellow **Hi-Vis Orange** **White** **Navy** **Green**

Hard hat not included



HPFPRRWH

10

Premium 6 Point Pinlock Harness

- Premium 6 point comfort harness is made from terylene that ensures comfort and cushioning when worn all day
- Pinlock closure



HPFPRRWHR

10

Premium 6 Point Ratchet Harness

- Premium 6 point comfort harness is made from terylene that ensures comfort and cushioning when worn all day
- Ratchet closure



HPWRXRPCH

10

Economy 6 Point Pinlock Harness

- Economy 6 point harness is made from polyester providing an economical alternative to terylene harness
- Pinlock closure



HPFPRRT2

10 sets

Reflective Tape (2 Curves)

- 2 curve reflective tape kit to ensure visibility in low light environments
- Can be fitted when purchasing new hard hats



HPFPRRT3

10 sets

Reflective Tape (2 Curves & 1 Straight)

- 2 curve & 1 straight reflective tape kit to ensure maximum visibility in low light environments
- Can be fitted when purchasing new hard hats



HPFPRRSB

20
1000

Terry Toweling Sweat Band

- Replaceable terry toweling sweat band to ensure hard hat stays fresh for longer
- Simple clip in design for easy replacement



HPFPRHHH

10

Hard Hat Holder

- UV stabilised for extended outdoor product life
- Suitable for most hard hats including the Force360 range
- Strong magnets or screws to affix the holder to most surfaces
- Perfect for offices where fire warden, first aid and visitors hard hats are required to be visibly stored

Hi-Vis Yellow **Hi-Vis Orange**

Hard hat not included



HPFPRTGCS

10
2000

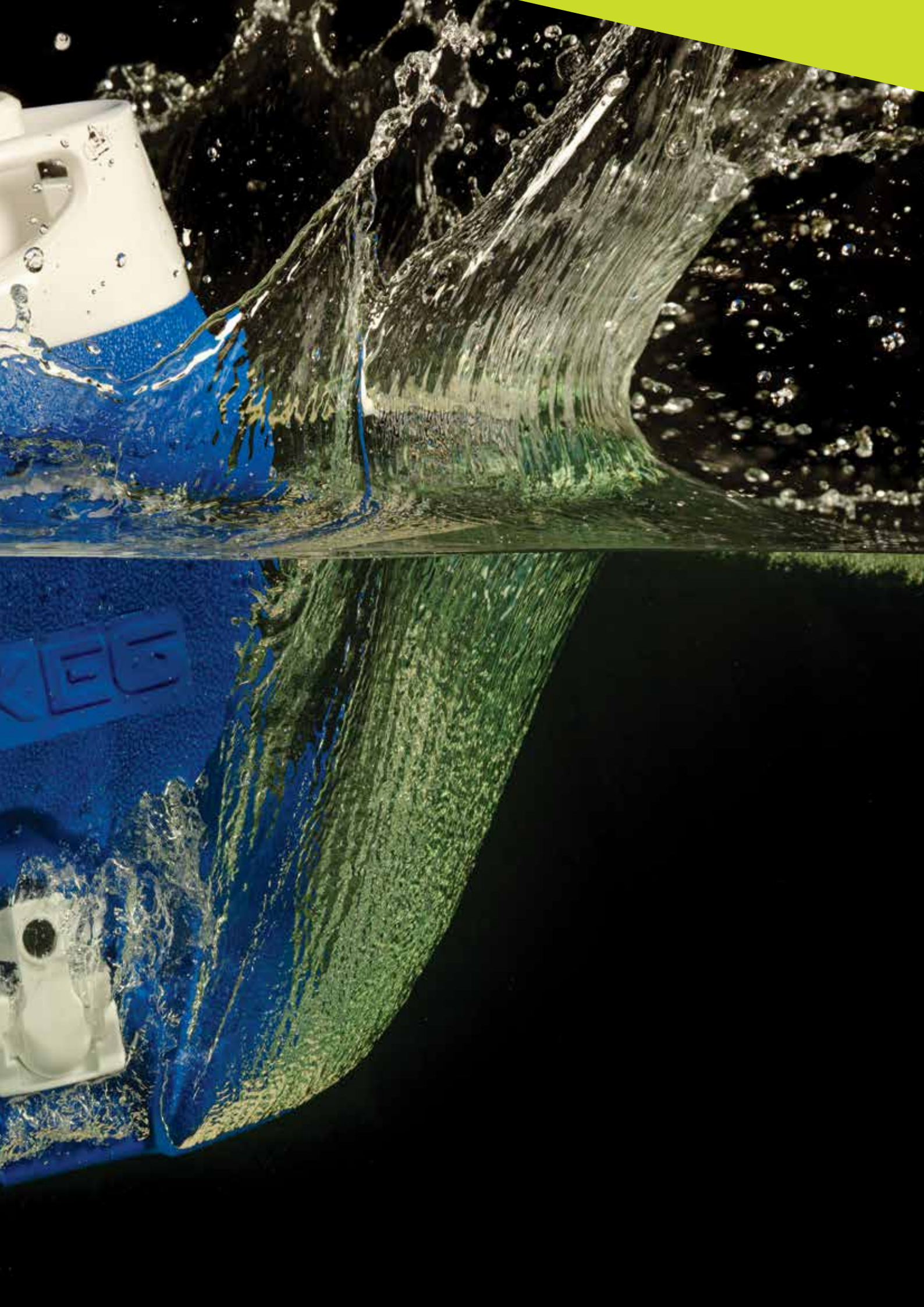
Chinstrap

- Adjustable chinstrap to ensure secure positioning of hard hat

Hard hat not included

HYDRATION & SITE SAFETY







HYFPRIKB5 / HYFPRIKO5

IceKeg 5L

4

- 5 litre capacity
- Retractable spigot
- 400ml removable drink cup
- Flip top drinking spout
- Robust carry handle
- BPA Free
- 3 Year Guarantee



HYFPRIKB5

HYFPRIKO5

HYFPRIKB25 / HYFPRIKO25

IceKeg 2.5L

9

- 2.5 litre capacity
- 200ml removable drink cup
- Flip top drinking spout
- Robust carry handle
- BPA Free
- 3 Year Guarantee



HYFPRIKB25

HYFPRIKO25


**NEW
PRODUCT†**
SWRX300
Comfort Pro Premium Knee Pad 1 6

- Industrial grade construction for maximum durability
- Non marking soft shell ensures good traction and stability on most surfaces
- Gel Comfort Zone protects and cushions the patella
- Deep molded cradle disperses weight and cushions knee
- Dual straps provide stable positioning and a secure fit
- EN 14404:2004+A1:2010 - Type 1, Level 1


**NEW
PRODUCT†**
SWRX301
Trade Mate Economy Knee Pad 1 20

- Durable nylon construction
- Non marking soft shell ensures good traction on most surfaces
- Internal closed cell foam for weight dispersion and comfort
- Dual straps provide stable positioning and a secure fit
- Convenient quick release buckles


SWRXMCB
Multicap
100
400

- Multicap is a uniquely designed product. It is designed to fit over star pickets and allows fence wire to pass through the cap and star picket when in place
- Designed to fit on both 12mm and 20mm reo bar
- Unique securing system on star pickets and can be applied by hand
- Once fitted to a star picket, Multicap is securely locked in place, ensuring it will be difficult to be removed by the elements
- Manufactured in a hi-vis orange colour for higher visibility on building sites, work sites and rural areas
- Multicap is manufactured from a strong co-polymer polypropylene
- Multicap is reinforced on the top and the base to give extra strength
- Multicap has a moulded impression of the star picket on top which allows for correct fit


**10KG
LOAD RATING**
SWRXESH
**Electrical
Suspension Hook**
5
120

- UV stabilised for extended outdoor product life
- Non conductive safety feature
- Can be hung or screwed off at either end
- Extra strong glass filament polypropylene construction
- Each hook can hold up to 10kgs
- Australian design and Australian construction
- Designed to be used on construction sites to temporarily hold electrical leads and various cables safely off the ground
- Suited for both home and commercial applications


**20KG
LOAD RATING**
SWRXMSH
**Multipurpose
Suspension Hook**
5
30

- UV stabilised for extended outdoor product life
- Non conductive safety feature
- Additional mounting bracket for more permanent mounting to timber or plasterboard
- Can be hung onto 50mm pipes or onto timber beams up to 100mm x 75mm
- Extra strong glass filament polypropylene construction
- Each hook can hold up to 20kgs
- Australian design and Australian construction
- Designed to be used on construction sites to temporarily hold electrical leads and various cables safely off the ground
- Suited for both home and commercial applications



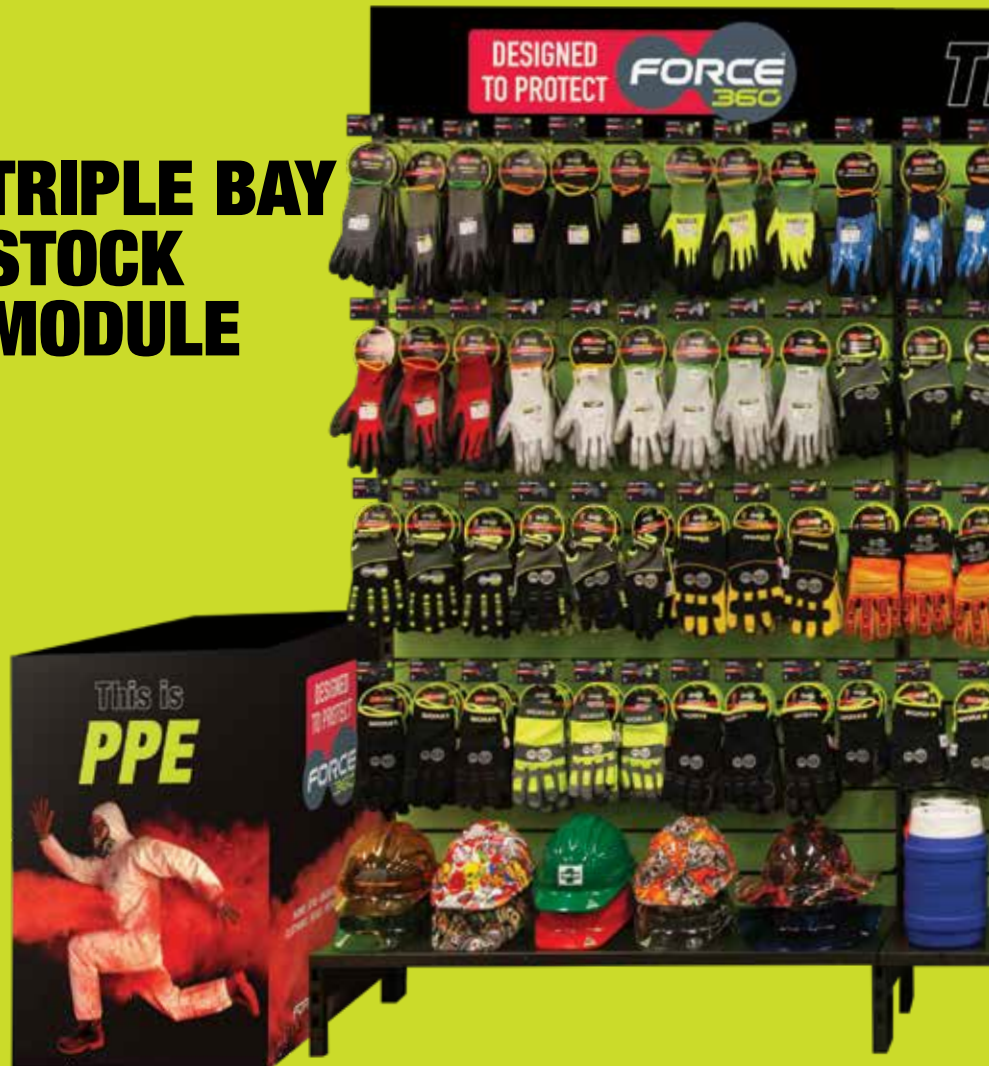
† Refer to pricelist for product availability dates

PRODUCT MERCHANDISING

SINGLE BAY STOCK MODULE



TRIPLE BAY STOCK MODULE



**DOUBLE BAY
STOCK
MODULE**



CUSTOM STOCK MODULE



Although we have a range of stock module packages to suit most stores, we understand that every store is different. To complement our single, double and triple displays, we also can design and install custom displays to take your retail presence to the next level. Whether that be slatwall paneling applied in-store or large gondola display sections, we can cater to your requirement. Contact your BDM to arrange a stock module consultation.

CLEAR BRANDED SIGNAGE

Categorising product in a crowded retail space can be difficult, which is why we have included our "This is PPE" statement on our display headers to help customers navigate the store and understand exactly what our stand represents.

ADDITIONAL POS MATERIAL

Dressing up a retail display stand is all about the consumer and ensuring they have access to the correct information to make an accurate purchasing decision. Our customised display stands allow just that. Consumers can quickly identify showcased products, and they can touch and feel them too. We understand the importance of consumer engagement in the selection process, and our high impact stands to ensure an effective mechanism for product focus and consumer interaction.



POS INFORMATION

In addition to the informative header cards and packaging, each product has a POS card which allows the user to make an informed decision about the product they require.



RETAIL READY PACKAGING

Product packaging is a key sales driver in the retail space. Force360's packaging is retail ready with full-colour display boxes and hang cell options. Our packaging seamlessly together and includes barcodes, product features, users instructions, and technical information.



SIGNAGE AND MARKETING SUPPORT

Whether you require instore signage or product specific flyers, our marketing team is available to accommodate your requirement. Contact the team to request all your support material.





DESIGNED TO PROTECT **FORCE 360**

This is
Hand Protection

HAND | EYE | HEARING | RESPIRATORY
CLOTHING | HEAD | HYDRATION | SITE SAFETY

FORCE360.COM.AU



DESIGNED TO PROTECT **FORCE 360**

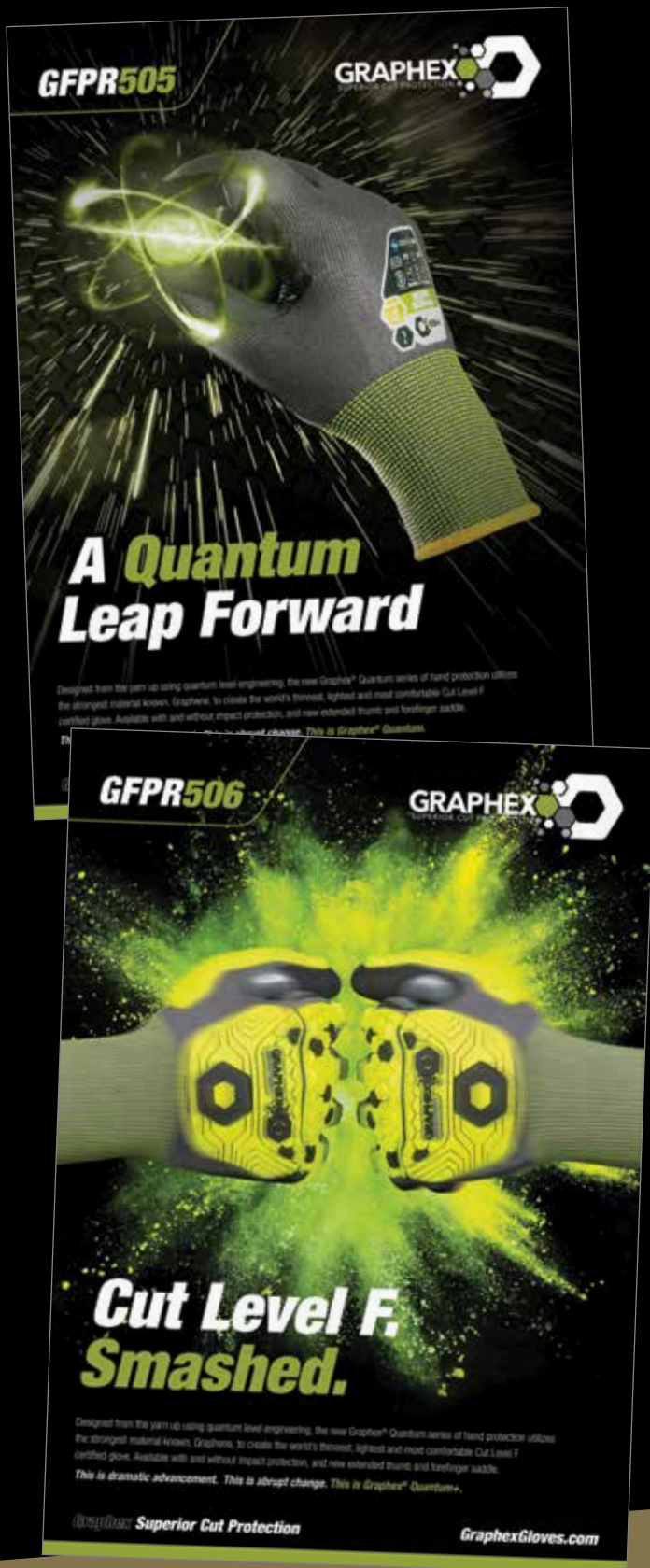
This is
PPE

HAND | EYE | HEARING | RESPIRATORY
CLOTHING | HEAD | HYDRATION | SITE SAFETY

FORCE360.COM.AU

GRAPHEX® MARKETING SUPPORT

Contact the team to request all your support material.



GRAPHEX® DISPLAYS

The Graphex® range revolutionises hand protection at retail front, offering an information panel to help users make a more informed glove choice, through comparative mechanical scores and recommended industries. Accompanying this is the glove specific packaging providing extensive user information and the ability for the glove to be tried on prior to purchase.



PRODUCT RANGE DISPLAYS



EYEWEAR DISPLAY STAND

Purposely engineered for our two new flagship spectacles, the 24/7 and Calibr8. The stand provides a compact POS opportunity to up-sell the end user into one of these premium spectacles.

EYEWEAR DISPLAY CASE

Showcase our entire eye protection range with these premium eyewear display cases; a three tiered spectacle version and single tray goggle version.



GLOVE BAG MECHANICS OR SYNTHETICS

The extensive Force360 Hand Protection range all in one spot; choose from either a Mechanics bag or a Synthetics bag and never miss an opportunity.



GLOVE BAG GRAPHEX®

Present the exclusive Graphex® range the way it was intended.



Hand Protection

GFPR100	Coolflex AGT	pg 38
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GFPR102	Coolflex AGT Winter	pg 39
GFPR103	Coolflex AGT Ultra Hi-Vis	pg 39
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Hand Protection (cont)

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Eye Protection

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Hearing Protection

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Hearing Protection (cont)

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Clothing Protection

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Clothing Protection (cont)

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Head Protection

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HPFPR56RK	Premium Type 1 Non-Vented Ratchet Hard Hat Kit	pg 152
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HPFPR57R	Premium Type 1 Vented Ratchet Hard Hat	pg 152
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HPFPRBB57RPL	Broad Brim Type 1 Vented Poly Miners Hard Hat	pg 155
HPFPRBB60R	Broad Brim Type 2 Non-Vented Ratchet Hard Hat	pg 155

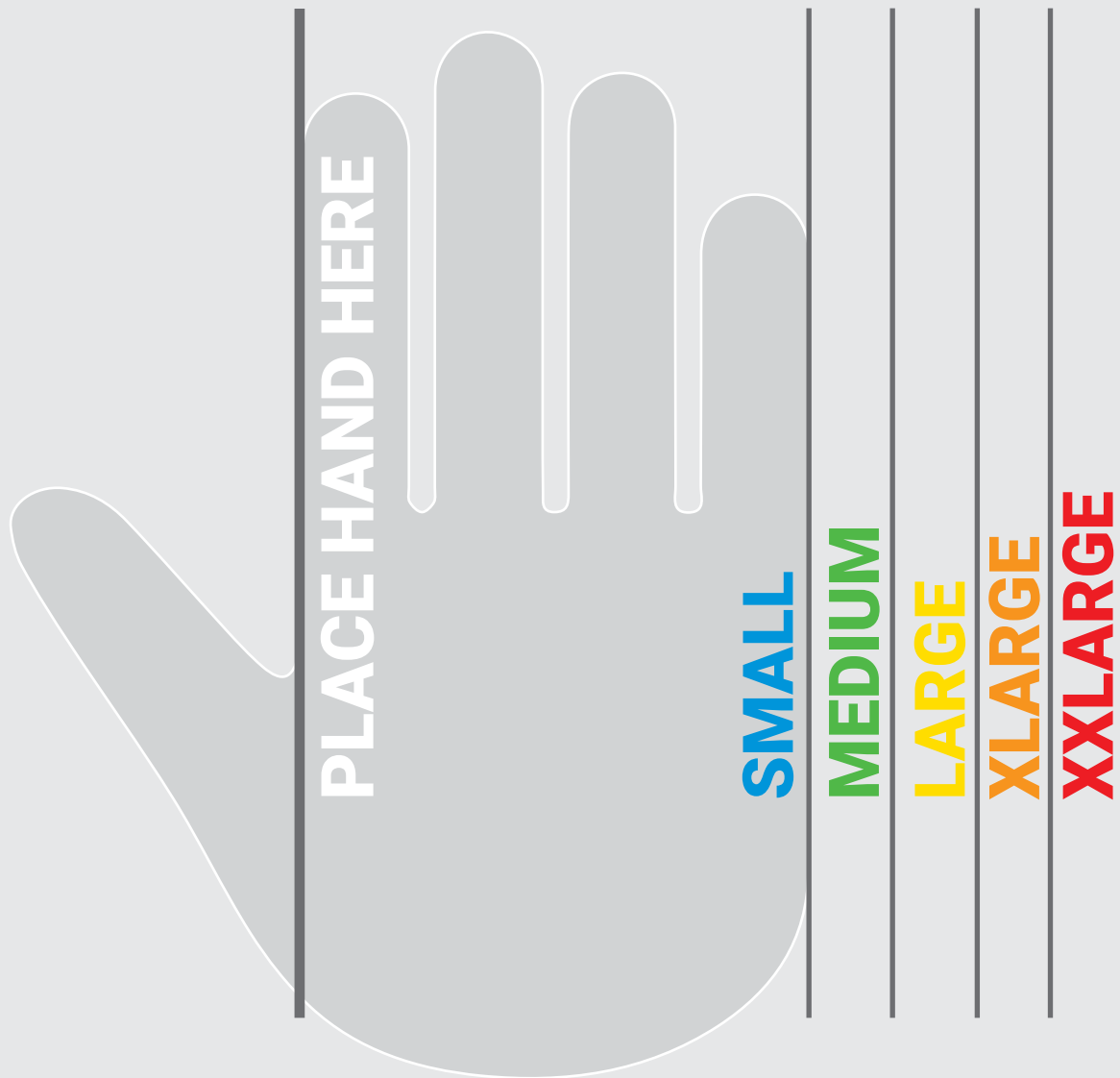
Head Protection (cont)

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Hydration & Site Safety

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Glove Sizing Chart



CE
2797
CE 719275

CERTIFIED PRODUCT

Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719027

CERTIFIED PRODUCT

Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719030

CERTIFIED PRODUCT

Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 719034

CERTIFIED PRODUCT

Australian Standard
AS/NZS 2161.2:2020
Lic. BMP 750798

CERTIFIED SIZING
Force360 has certified the sizing
of their glove range to
AS/NZS 2161.2:2020 and EN ISO 21420:2020.

*Glove sizing chart should be used as
a guide. Always seek glove sample in
order to confirm correct sizing.*

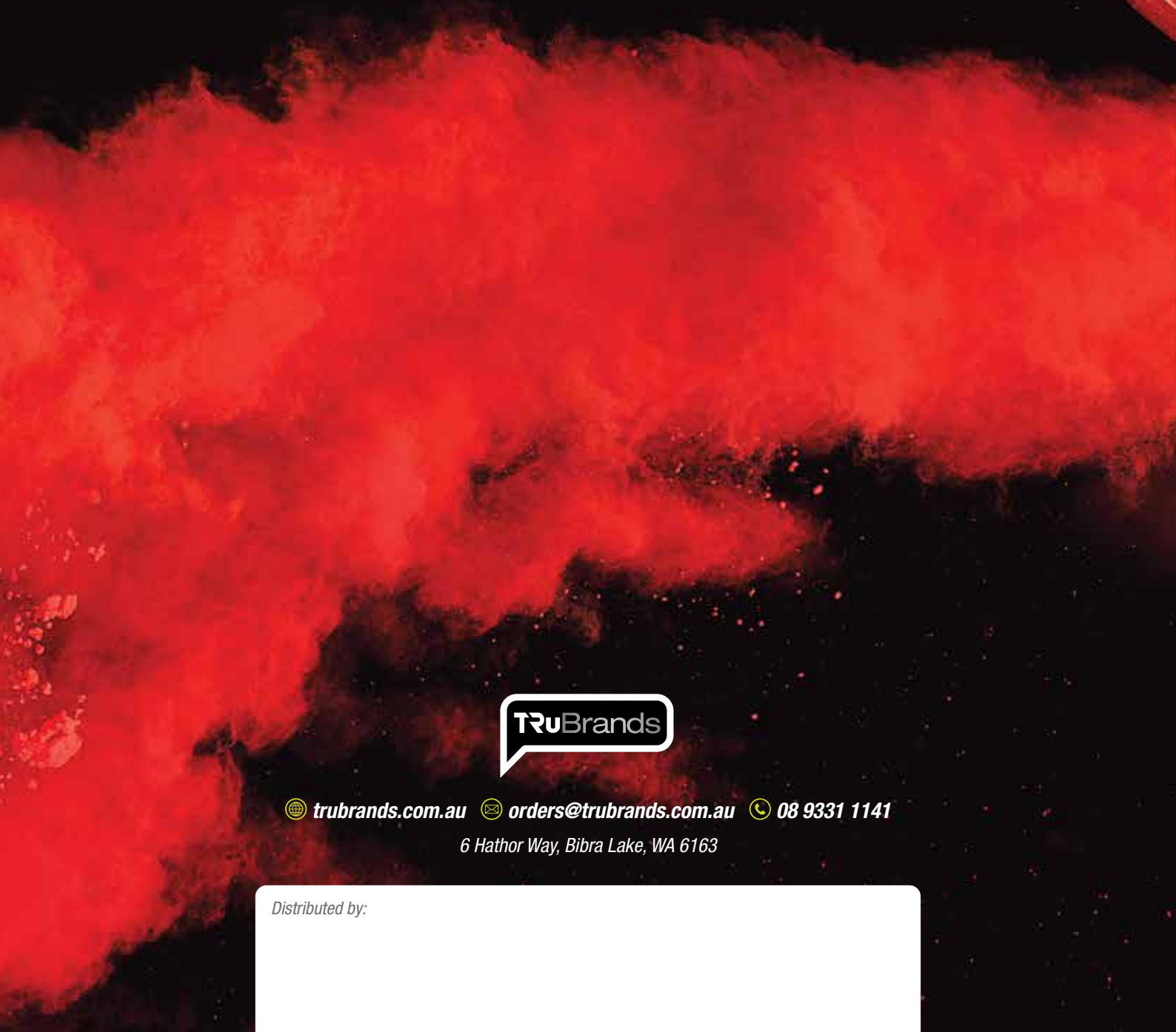


THIS IS **PPE**



The paper used has been produced in an ISO14001 accredited facility ensuring all processes involved are of the highest environmental standards. The fibre is sourced from certified and well managed forests. Vegetable based inks have also been used along with environmentally responsible printing practices.

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TO PROTECT



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