

Graphex® Quantum



PERFORMANCE STANDARDS

EN388
2016



4X42F

EN388
2003



4542

EN407



X1XXXX



CERTIFICATION



CE 719275



Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005
Lic. BMP 719027

FEATURES

- Incorporating Graphex® cut resistant yarn
- Extended thumb and forefinger saddle for product longevity
- Most dexterous Cut Level F glove available
- Certified to Cut Level F under European Standard EN388:2016
- Certified to Cut Level 5 under Australian Standard AS/NZS 2161.3:2005
- Certified to Contact Heat Level 1 under EN407:2004
- Contact Food Safe under AS 2070:1999 (FDA 21CFR177.2600)
- Active Grip Technology for superior use in wet and dry conditions
- Extended wear with up to 14,000 abrasion cycles
- Touch Screen friendly
- Silicone and fibreglass free construction
- Actifresh treated to inhibit odours and bacteria
- 360° breathability
- UPF50+ offering maximum sun protection
- Machine washable

USES

- Mining
- Sheet metal work
- Maintenance
- Construction
- Glazing
- Oil & Gas
- General assembly
- Fabrication
- Machinery & equipment
- Food processing & handling

SPECIFICATIONS

- PART NO** GFPR505
COATING AGT Coating
LINER Graphex®

SIZING & FIT

AVAILABLE SIZES

S/7, M/8, L/9, XL/10, 2XL/11

DEXTERITY LEVEL

Maximum Dexterity Level 5

Certified under AS/NZS 2161.2:2005 and EN420:2003+A1:2009

PACKAGING

- 1 pair per header card
- 12 pairs per pack
- 144 pairs per carton

REACH COMPLIANCE

Required Safe PH Level

Certified under AS/NZS 2161.2:2005 and EN420:2003+A1:2009

AZO Dye and Irritant Chemical Free

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SUN PROTECTION

UPF50+ Sun Protection

Pass under AS/NZS 4399 Sun Protective Clothing. Tested by Australian Radiation Protection And Nuclear Safety Agency (ARPANSA).

GLOVE CARE

- Machine Wash <40°C
- Cold Water Rinse
- Dryer <60°C

WHAT IS GRAPHEX®?

Force360 is Australia's first PPE manufacturing and supply specialist to incorporate revolutionary Graphene based cut resistant yarn into the production of its gloves. Created in a lab in 2004 by researchers Geim & Novoselov at the University of Manchester in the UK, Graphene's strength, flexibility and lightness has become apparent across multiple industries around the world.

In partnership with the world's leading cut resistant yarn factory and through recent advancements in nanofabrication technology, Force360 has developed its own unique Graphene based yarn named Graphex®.

Graphex® maintains amazing dexterity and softness whilst providing industry best cut protection levels exceeding ISO 13997 Level F, and ASTM scores of A4 to A6.

Force360 continues to be the only brand in the market today that certifies its entire hand protection range to Australian Standards, but have now gone even further by certifying the Graphex® based range to the latest European Standards.

As a result we believe that Force360's Graphex® gloves are the most tested and reliable gloves on the market today, with the highest levels of protection available to ensure wearer, employer and supplier peace of mind.

Shake hands with the future of cut protection - Graphex® by Force360

WHY CERTIFY A GLOVES MECHANICAL SCORES?

Although AS/NZS hand protection standards are aligned with European Standards as per the table below, there is no mandatory requirement for manufacturers who supply the Australian and New Zealand market with safety gloves, featuring EN performance ratings for attributes such as cut and chemical resistance, to provide evidence of testing and certification by an accredited Notifying Body.

- AS/NZS 2161.2 = EN420 General requirements
- AS/NZS 2161.3 = EN388 Protection against mechanical risks
- AS/NZS 2161.4 = EN407 Protection against thermal risks (heat and fire)
- AS/NZS 2161.5 = EN511 Protection against cold
- AS/NZS 2161.10 = EN374 Determination of resistance to permeation by chemicals

In Australia, glove manufacturers can undertake their own testing and issue their own compliance statements. 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 Notifying Body all product & performance claims cannot be independently verified. If they are not as claimed, they could have safety implications for the wearer and legal implications for the supplier or even the employer who provides the said PPE.

The Force360 and Graphex® ranges of hand protection are Certified by BSI Group to not only Australian Standards AS/NZS 2161:2005 but also all relevant European Standards including the latest EN388:2016 Standard.

Certification is not proof that a business has 'passed a test', it's proof that a business is constantly maintaining the highest of standards, a feat that demonstrates a deeper commitment to going above and beyond.



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