



CYCLONIC SCREENS & DOORS

In cyclonic regions winds can generate over 159km/h which can turn objects into airborne debris which send projectiles into nearby homes causing destruction.

Meshlock Ultra frame doors, Ultra cyclonic screens and Ultra sliding doors are amongst a minority of products on the market tested and rated for these extreme conditions. Under the Australian Standards, security screening products independently tested under a NATA Certified testing laboratory must achieve the performance requirements for cyclonic regions to achieve compliance. Meshlock Ultra frame ranges have been tested by Azuma Design Pty Ltd AZTO480.21 in an NATA accredited Laboratory conforming to AS/NZS 1170.2 clause 2.5.8. Results can be presented upon request.

Have peace of mind knowing your product is compliant and built to last.

Wind Regions C & D

- **Wind Region C:** Include areas located as follows:
 - Within 50 km and 100 km from the coast between latitudes 25'S and 27'S.
- **Wind Regions D:** Include areas located as follows:
 - Within 50 km from the coast between latitudes 20'S and 25'S

Wind Regions C & D

- Refer to figure 3.1 (A) Wind regions AS/NZS 1170.2.2021
- Meshlock Cyclone Rated Screens and Doors:
- Suitable for Wind Regions C and D
- Compliant with BCA, NCC, and Government housing regulations for Class 1 to 9 buildings
- Meshlock Ultra Frame ranges ensure durability and compliance



Figure 3.1 (A) WIND REGIONS AS/NZS 1170.2



Meshlock Ultra Door

Meshlock Ultra Doors have all the base features of the Meshlock Series, with the addition of:

- **Mesh Material:** 1.0mm High Tensile Structural 304 Stainless Steel Woven Mesh
- **Frame Type:** Ultra
- Endorsed by Quality Assurance Services and carries the Certified Product Standard Mark License No 2235
- Doors are periodically independently audited and tested to ensure ongoing integrity and compliance
- Much Heavier Aluminium Frame with 41% more aluminium found in the mesh retention area versus Meshlock 1000
- 2 x Stainless Steel Anti Jammy Locking Pins
- Passed Cyclonic impact test of 3980 Joules which is 39.8 times stronger than the Australian standards requirements (100 Joules)
- Unparalleled Strength Rating, making it superior to perforated aluminium systems, 0.8mm systems and 0.9mm systems



Meshlock Screen in Ultra Frame Cyclonic Buildout

Meshlock Ultra Doors have all the base features of the Meshlock Series, with the addition of:

- **Mesh Material:** 1.0mm High Tensile Structural 304 Stainless Steel Woven Mesh
- **Frame Type:** Cyclonic 108mm buildout Ultra frame
- Much Heavier Aluminium Frame with 41% more aluminium found in the mesh retention area versus Meshlock 1000
- Endorsed by Quality Assurance Services and carries the Certified Product Standard Mark License No 2235
- Heavier, streamlined frame versus other systems
- Passed Cyclonic impact test of 3980 Joules which is 39.8 times stronger than the Australian standards requirements (100 Joules)
- Exceptional Strength Rating makes it superior to perforated aluminium systems, 0.8mm systems and 0.9mm systems



Meshlock Fire Escape Screen in Ultra Frame Cyclonic Buildout

Meshlock Ultra Doors have all the base features of the Meshlock Series, with the addition of:

- **Mesh Material:** 1.0mm High Tensile Structural 304 Stainless Steel Woven Mesh
- **Frame Type:** Cyclonic 108mm buildout Ultra frame with Meshlock Fire Escape.
- Unique "One touch" push action allows for a person to escape a room quickly and safely in the event of a fire.
- Much Heavier Aluminium Frame with 41% more aluminium found in the mesh retention area versus Meshlock 1000
- Endorsed by Quality Assurance Services and carries the Certified Product Standard Mark License No 2235
- Heavier, streamlined frame versus other systems
- Passed Cyclonic impact test of 3980 Joules which is 39.8 times stronger than the Australian standards requirements (100 Joules)
- Exceptional Strength Rating makes it superior to perforated aluminium systems, 0.8mm systems and 0.9mm systems



Meshlock Ultra Cyclonic Sliding Door Buildout

Meshlock Ultra Doors have all the base features of the Meshlock Series, with the addition of:

- **Mesh Material:** 1.0mm High Tensile Structural 304 Stainless Steel Woven Mesh
- **Frame Type:** Cyclonic Buildout of Ultra frame
- Endorsed by Quality Assurance Services and carries the Certified Product Standard Mark License No 2235
- Doors are periodically independently audited and tested to ensure ongoing integrity and compliance
- Much Heavier Aluminium Frame with 41% more aluminium found in the mesh retention area versus Meshlock 1000
- Passed three (3) Cyclonic impact test of 3980 Joules
- This is the strongest Cyclonic sliding door tested by Azuma Design Pty Ltd