



Proven High Performance. Surpasses Australian Standards.

The Australian Standards stipulate a range of scientific tests that a security product must pass in order to remain in its class.

Aluminium Innovations Meshgard® continually surpasses these standards.

In this section we have summarised our surpassed standards and have also provided copies of the test reports.

For more information please contact your local Aluminium Innovations representative.

Security	
Australian Standard AS5039-2008	Meshgard® Security Screens continually surpass a range of rigorous knife shear test, impact tests, jemmy tests and pull tests. These tests ensure the intrinsic strength and structural integrity of our manufactured security doors and windows are maintained.
Fire	
Australian Standard AS3954-2009	Bush Fire Protection Meshgard® Stainless Steel Doors have been tested under this standard and satisfied the requirements for bushfire attack level (BAL) 12.5,19,29,40
Australian Standard AS1530.4-2005, Appendix B7	Fire Attenuation Test Meshgard® Security Screens have been tested in general accordance with this standard when exposed to incident radiant heat. Meshgard® achieves 45.6% reduction in radiant heat flux between the inside and outside of the product.
Cyclonic	
Australian Standard 2011:AS/NZS1170.2	In cyclonic regions windows and doors may need to be protected from flying debris where specified. Meshgard® Security Screens have been tested to this standard, resisting the impact from a 4kg, 100mm x 50mm timber travelling at 30 metres per second. (m/s)



Performance.

Meshgard's® effortless elegance is surpassed only by its enviable strength. Our products are continually independently tested as a statement of our unwavering commitment to excellence.

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- Knife Shear Test (AS5039 – 2008)
- Impact Test (AS5039 – 2008)
- Anti-Jemmy Test (AS50239 – 2008)
- Pull Test (AS5039-2008)
- 10,000 Hour Salt Spray Test (AAMA2605-05 Section 7.8.2)
- Cyclone Impact Tested to 30m/s (2011: AS/NZS1170.2)
- Aluminium Frame Tests (AS/NZS1866:1997 & AS3715 – 2002) 6063 T5 powdercoated to a minimum thickness of 60um
- Stainless Mesh Tests (AS3715-2002, AAMA2603-05, AAMA2605-05, AS2331/ISO2360, ASTM D2794, AS3715, ISO1519, JIS Z2241, ASTM E1086).

Australian Standards Tests

	Impact	Knife Shear	Jemmy	Pull
Hinged Door	✓	✓	✓	✓
Sliding Door	✓	✓	✓	✓
Fixed Windows	✓	✓	✓	✓
Hinged Windows	✓	✓	✓	✓
Sliding Windows	✓	✓	✓	✓