



## Breezway Policy for Altair® Louvres Used In Bush Fire Prone Areas Of Australia

### Breezway Technical Bulletin

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The following recommendations are based on relevant Australian Standards and Test Reports. Breezway recommends that you receive independent advice from both an engineer and your local council authority to determine your level of construction and to ensure that you comply with the correct protection measures for your individual circumstance.

#### *Bushfire Attack Level Low*

The degree of bushfire attack is considered insufficient to warrant specific construction requirements.

#### *Bushfire Attack Level 12.5*

Louvres are to be screened externally using corrosion-resistant steel, bronze or aluminium mesh or perforated screen with a maximum aperture size of 2 mm in such a way that the entire opening remains screened when the louvre is open and gaps between the screen and the window do not exceed 3mm. The mesh or perforated screen must be completely supported by framing made of metal, or bushfire resistant timber.

#### *Bushfire Attack Level 19*

Louvres are to be screened externally using corrosion-resistant steel, bronze or aluminium mesh or perforated screen with a maximum aperture size of 2 mm in such a way that the entire opening remains screened when the louvre is open and gaps between the screen and the window do not exceed 3mm. The mesh or perforated screen must be completely supported by framing made of metal, or bushfire resistant timber.

#### *Bushfire Attack Level 29*

Louvres are to be Altair Louvres within the Breezway Easyscreen Window System with toughened glass and externally screened using corrosion-resistant steel mesh or perforated screens with a maximum aperture size of 2mm in such a way that the entire opening remains screened when the louvre is open and gaps between the screen and the Breezway Easyscreen window frame do not exceed 3mm. The mesh or perforated screen must be completely supported by framing made of metal.

Alternately...

Altair Louvre Windows are to be completely protected by bushfire shutters.

#### *Bushfire Attack Level 40*

Altair Louvre Windows are to be completely protected by bushfire shutters.

Alternately...

Alspec has completed BAL40 testing using the Altair Louvre within an aluminium Alspec frame fitted with an Invisi-Gard stainless steel mesh screen.

Please refer to [www.invisi-gard.com.au/bushfire-test.php](http://www.invisi-gard.com.au/bushfire-test.php) for more details.

### *Bushfire Attack Level FZ*

Altair Louvre Windows are to be completely protected by bushfire shutters.

The above requirements for using Altair Louvre Windows in bushfire prone areas are based on:

1. Breezway's interpretation of AS 3959-2018 "Construction of Buildings in Bushfire Prone Areas"
2. CSIRO Report number FSZ 1572 "Bushfire test on glazed vertical elements". A Breezway Easyscreen Altair Louvre Window fitted externally with Crimsafe Tensile-Tuff stainless steel security mesh was tested to AS 1530.8.1 at the CSIRO in January 2013 (test number FS 4325/3559). The test window passed testing at a Bushfire Attack Level (BAL) of A29.
3. CSIRO Assessment Report number FCO-3026 "Likely performance of Breezway aluminium framed glass window assembly incorporating alternative steel mesh screens". The report concluded that the performance of the Breezway Altair Louvre Window System "... Reported in FSZ 1572 (testing to BAL29) would not be detrimentally affected when replacing the tested steel mesh screen by... Any screen constructed in accordance to Clause 7.5.1A of Australian Standard AS3959-2018."