

Breezway® Policy For Louvres in Bush Fire Prone Areas

Using Altair® Louvres in a Bush Fire Prone Area

The following requirements for using louvre windows in bushfire prone areas are based on:

- Our interpretation of AS 3959-2018 “Construction of Buildings in Bushfire Prone Areas”,
- BAL-29 bushfire testing by the CSIRO of the Easyscreen Altair Louvre Window System with CrimSafe screens to AS1530.8.1-2007 (CSIRO Report number FSZ1572), and
- A CSIRO Infrastructure Technologies report assessing alternative steel mesh screens (CSIRO Report number FCO-3026).
- BAL-40 bushfire testing by Warrington Fire of the Easyscreen Altair Louvre Window System and Easyscreen Altair IGLU Double Glazed Louvre System with Invisi-Gard screens to AS1530.8.1-2007 (Warrington Fire Report number FRT200407), and
- A Warrington Fire report assessing alternative steel mesh screens (Warrington Fire Report number FAS200470).

We recommend 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.

AS 3959-2018

Bushfire Attack Level Low

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

Bushfire Attack Levels 12.5 & 19.

- Louvres are to be screened externally using corrosion-resistant steel, bronze or aluminium mesh.
- Maximum screen aperture size of 2 mm in such a way that the entire opening remains screened when the louvre is open.
- 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 & 40

- Louvres are to be Altair Louvres within the Breezway Easyscreen Window System.
- Glazing must be toughened glass.
- Window must be externally screened using corrosion-resistant steel mesh or perforated screens.
- Maximum screen aperture size of 2mm in such a way that the entire opening remains screened when the louvre is open.
- 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 or bushfire resistant timber.

Bushfire Attack Level 40 - Alternative Solution

- Alspec has completed BAL-40 testing using the Altair Louvre within an aluminium Alspec frame fitted with an Invisi-Gard stainless steel mesh screen. Refer to www.invisi-gard.com.au/bushfire-testing for more details.

Bushfire Attack Level FZ

- Louvre Windows are to be completely protected by compliant bushfire shutters.