

# BAL - Bushfire Attack Level - Notification

Australia's Window & Door Hardware Store



BAL Rating & Product Classification						
	BAL-LOW	BAL-12.5	BAL-19	BAL-29	BAL-40	BAL-FZ**
Generalised Definition	Insufficient risk to warrant specific bushfire construction requirements	Protection against ember attack and radiant heat up to and including 12.5 kW/m <sup>2</sup>	Increasing ember attack and windborne debris, radiant heat greater than 12.5 kW/m <sup>2</sup> up to and including 19 kW/m <sup>2</sup>	Increasing ember attack and windborne debris, radiant heat greater than 19 kW/m <sup>2</sup> up to and including 29 kW/m <sup>2</sup>	Increasing ember attack and windborne debris, radiant heat greater than 29 kW/m <sup>2</sup> up to and including 40 kW/m <sup>2</sup> <b>Exposure to flames from fire front likely</b>	Direct exposure to flames, radiant heat and embers from the fire front
Mesh or Perforated Sheet Aperture Size		No greater than 2.0mm				
Vents & Weepholes		Mesh made of corrosion-resistant steel, bronze or aluminium				Mesh made of corrosion-resistant steel or bronze <b>NOT aluminium**</b>
When Using Screens or Perforated Sheets for Windows & Doors		Mesh or perforated sheet made of corrosion-resistant steel, bronze or aluminium		Mesh or perforated sheet made of corrosion-resistant steel or bronze <b>NOT aluminium</b>		Mesh or perforated sheet made of corrosion-resistant steel or bronze <b>NOT aluminium**</b>
Frames supporting Screens or Perforated Sheets for Windows & Doors		Either metal, bushfire resistant timber or specific timber species*		Either metal or bushfire resistant timber*	Metal only	Metal only**
Fixings supporting Screens or Perforated Sheet for Windows & Doors		Metal fixings recommended by Total Hardware		Metal fixings only		Metal fixings only**

\*For further details and specifications on Bushfire Resistant Timber or Specific Timber Species, consult AS 3959-2018.

\*\*For BAL-FZ, all elements used in building construction that are less than a 10m setback from classified vegetation shall conform to AS 1530.8.2.

**Disclaimer:** BAL recommendations are based on Total Hardware's interpretation of Construction of Buildings in Bushfire Prone Areas AS 3959-2018. The recommendation is for Vents and Weepholes, Screens and Perforated Sheets and their Supporting Frames and Fixings. Total Hardware's associated product offer is based on this interpretation. Further clarification should be sought from qualified local authorities or specialists in the Construction of Buildings in Bushfire Prone Areas AS 3959-2018 and AS 1530 (.1, .2, .4, .8.1 and .8.2) standards.

Due to the unpredictable nature and behaviour of bushfires, Total Hardware recommendations, based on AS 3959-2018 or AS 1530 (.1, .2, .4, .8.1 and .8.2) compliance set out above, do not warrant or guarantee the survival of any building constructed in bush fire prone areas and are recommendations only. The survivability of buildings is dependent on a number of factors including landscaping, environment, water availability and other specifics outlined in AS 3959-2018.

NSW & ACT (03) 9786 0333  
salesnsw@total-hardware.com.au

[www.total-hardware.com.au](http://www.total-hardware.com.au)

VIC & TAS (03) 9786 0333  
salesvic@total-hardware.com.au

WA (08) 9317 3860  
saleswa@total-hardware.com.au

QLD (07) 3255 5034  
salesqld@total-hardware.com.au

SA & NT (03) 9786 0333  
salessa@total-hardware.com.au