

# PAARHAMMER WINDOWS & DOORS



Paarhammer offers 2 Options for BAL-FZ windows and doors, tested, approved, compliant:

## Tested to Australian Standard AS1530.8.2

Paarhammer products first passed this test already in 2011, being the first supplier of windows and doors for BAL-FZ (Bushfire Attack Level Flame Zone) areas without the need for shutters in Australia.

This test has a 30-minute furnace cycle and a 60-minute cooling down cycle in which the product still has to keep its integrity. Paarhammer products achieved this in addition to a very low heat flux. These products also comply with the 2018 AS.

### Heat Flux

**AS1530.8.2 test** - measured heat flux during the test 365mm from the unexposed side of the glazing (inside) reached a radiation level of 1.1 KW/m<sup>2</sup> for Paarhammer tilt & turn windows, fixed window, hinged door and French doors, and below 1.0 KW/m<sup>2</sup> on lift-slide sliding doors. To put this into perspective, naked skin can tolerate of 5KW/m<sup>2</sup> for approximately 10 seconds.

## Tested to Australian Standard AS1530.4 (-/30/-)

These Paarhammer products were successfully tested in 2022. 30-minute windows and doors can only be used in BAL-FZ without shutters if there is '... a **minimum setback distance of 10m from the edge of the classified vegetation**'.

The Australian Standard (AS) states that 'In circumstances where the 10m setback distance between the building and the edge of the classified vegetation cannot be achieved, those elements of the building that are less than 10m from the edge of the classified vegetation shall conform to AS1530.8.2.'

### Heat Flux

**AS1530.4 test** - while measuring for heat flux - the combined effect of 'radiation and convection' -, this is not a relevant factor in this Australian Standard. Measured heat flux during the test 365mm from the unexposed side of the glazing (inside) resulted in a radiation level of almost 25 KW/m<sup>2</sup>.



*All Paarhammer Bushfire Safe products are double-glazed and highly energy efficient.*

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