



## Proven Protection against Bushfires and the harsh Australian Sun



After exhaustive testing, Shade&Shield Shutters are the first in Australia to pass BAL-FZ (Flame Zone) requirements.

Our shutters make it now possible to use standard windows with 5mm toughened glass for BAL-FZ compliance. These new fire resistant shutters meet the Australian Standards AS 3959-2009 and AS1530.8.2

## First approved bushfire safety shutters for the highest Bushfire Attack Level

Many Australians love the lifestyle of a bush setting but have to live with the constant threat of bushfires.

In addition, strict new Building Regulations for building or renovating in high fire risk areas have put many conditions on all aspects of the external built environment.



Shade&Shield BAL-FZ shutters are Australia's first and only bushfire Flame Zone approved fire-resistant shutters.

Our BAL-FZ shutters achieve this level of safety through:

- Reinforced steel frame finished in durable powder coat
- Patented panel technology
- Dedicated shutter hardware with multi-point lock/latching
- Intumescent seal



## Ability to Save Life

BAL-FZ Shutters withstand the gruelling 1.5 hour test with temperatures exceeding 850 degrees.

Radiated heat through the shutters does not exceed 6kW/m<sup>2</sup>, which is less than half the 15kW allowed by the new Australian Standards.

# Shade&Shield Shutters



## Bushfire windows and doors

Sonnenschutz's affiliate company Paarhammer also manufacture a range of windows and doors that comply with BAL 29, BAL 40 and BAL FZ standards.

## Shade&Shield Shutters

Australians are starting to realise what people in the Mediterranean have understood for centuries: Shutters provide the best protection against the searing sun.

Shade&Shield manufactures and supplies a range of quality external shutters from traditional to the latest sliding and bi-fold trends. Shade&Shield shutters also help to reduce heating and cooling costs, thus improve energy efficiency of homes.

Australia's first  
Flame Zone  
approved  
windows and  
doors by  
Paarhammer



## Bushfire Shutters & Safety Products

- BAL-FZ shutters for full Flame Zone protection
- BAL-40 compliant shutters in steel or aluminium
- BAL-29 timber shutters for improved protection
- Paarhammer BAL-FZ and BAL-40 windows and doors

## Shade and Security Shutters

- External shade shutters to improve energy ratings
- Storm- or security shutters
- Sliding or bi-fold shutters for commercial buildings

All products are suitable for new builds or retrofitting.



### Sonnenschutz Pty Ltd

53 Haddon Drive,  
Ballan, Victoria

tel: 03-5368 2645  
fax: 03-53 68 1993

PO Box 21, Ballan  
Vic. 3342, Australia

email: [info@sonnenschutz.com.au](mailto:info@sonnenschutz.com.au)  
url: [www.sonnenschutz.com.au](http://www.sonnenschutz.com.au)

