



The windows  
of the future today.



## Bushfire – Window, Doors and Shutters

Early March the new standard AS 3959-2009 'Construction of buildings in bushfire-prone areas' has been released to increase protection for people and buildings in bushfire areas. The new standard has six levels of risk based on the Bushfire Attack Level (BAL), with increasing construction requirements ranging from protection against ember attack at the low levels to flame zone at the highest level where the building might be impacted by open flames.

### Windows & Doors

Paarhammer has been using a bushfire rated timber, namely Red Ironbark (*Eucalyptus sideroxylon*) for windows and doors for many years. This timber is very dense and has undergone testing to AS/NZS 3837. Indigenous to the north central region of Victoria, it offers exceptional durability and strength.



The new standard allows also Silvertop Ash, Blackbutt, Red River Gum, Spotted Gum, Kwila (Merbau), and Turpentine to be used. While some of these timbers (eg Merbau) are a cheaper option than Red Ironbark, Merbau is also highly prone to bleeding and may stain the wall below.

Paarhammer tilt & turn double and triple glazed windows have also been WERS tested and achieve a U-value as low as 1.4 which equates to energy savings of up to 76% with an extremely low air infiltration of 0.05.



It's the design and quality of double rebated frames and rubberseals combined with German made hardware as well as expertise and craftsmanship that achieve such outstanding ratings.

Flyscreen frames with stainless steel mesh are also made in Red Ironbark and are fitted to the outside. In combination with toughened glass units you achieve extra protection in bushfire-prone areas. All Paarhammer products are custommade to size, shape and finish and can be installed in new or existing homes.

### Shutters

Paarhammer has further developed its shutter range to include options of different shutters to cover various BAL zones. Suitable up to BAL 29 are shutters made from Red Ironbark. These shutters are available pre-oiled or painted and come with black powdercoated hardware.



For BAL40 zones Paarhammer has all-steel shutters available. These are made from powdercoated steel, have a thickness of 30mm and come with powdercoated steel surrounds.



All bushfire shutters are pre hung with a surround mounting frame, rebated, and a maximum airgap of no more than 2mm. Manually operated either from inside or from outside, they are non-removable as per the new standard.

Operable shutters include safe and easy to use hardware which guarantees faultless operation for years to come. All movable parts are easy to reach and a special 3-layered coating on steel core makes the fittings corrosion free.



For more information on windows, doors and shutters for bushfire prone areas please contact Tony Paarhammer on 03 5368 1999 or 1300 655 920.