

# ClearShield

## Bushfire Screens

The Black Saturday Bushfires that started on Feb 7th 2009 predicated a change in building design requirements for structures in bushfire prone areas which are detailed in the AS3959-2009 Standard. Several levels of protection are defined to protect against heat and ember attacks depending on how close to the building combustible material is in the event of a bushfire. ClearShield has two products to suit the two different requirements under this standard. Standard Screens are suitable as protection against Ember Attack and our unique, fully tested, Firescreen Shutter is specifically designed to meet the requirements as a bushfire shutter as stipulated in AS3959 Clause 3.7. The ClearShield Shutter offers a significant cost saving over using specialist roller shutter style Bushfire Shutters.





## Suitable Products

### Bushfire Screens (Protection Against Ember Attacks to opening areas) – AS3959-2009

All Domestic, Commercial and Cyclonic Screens are suitable as a bushfire screen for all BAL Zones. There are no special manufacturing or fixing requirements to conform to the AS3959-2009 Standard.

### Bushfire Shutters (Full Cover, Specialist Protection) – AS3959-2009 Part 3.7

A Specialist Product, the Bushfire Shutters are uniquely design to meet the requirements of the Standard, Notably Clause 3.7 (f) whereby the free area of the shutter must be less than 20%. The ClearShield Bushfire shutter acts as a permanently fixed, fully escapable unit compliant to both this standard and as a security product. These Shutters are required to meet the fixing requirements as specifically prescribed under AS3959 Clauses 3.7(a) to (d).

## Technical Data

### Aluminium Framing

Grade:	6063 – T6
	Anodised – min 15um to AS1213-2000
Coating:	Powdercoating – Chromate Pre-treatment and powdercoated to AS3715-2002
Warranty:	As per Coating Selection

### Stainless Steel Sheet

Grade:	T304
Finish:	2B Black
Warranty:	15 Years, subject to adhering to the recommended cleaning schedule
Coating:	Powdercoating – Oxsilane Chrome Free Pre-treatment and powdercoated to AS3715-2002
Open Area:	39%-41% (Ember Screen) – Less than 20% (Shutter)
Dimensions:	Ø 2mm Round Holes, 60° Staggered Pitch, 3mm Spacings, 0.8mm Thick
Or:	Ø 2mm Round Holes, 60° Staggered Pitch, 5mm Spacings, 0.8mm Thick (Shutters Only)

## Compliance

Standard	Test No.	Product	Suitability
AS3959-2009	2452600	All ClearShield Perforated Stainless Steel Products	All BAL Zones
AS3959 Part 3.7	26521	ClearShield Bushfire Shutters	Up to BAL-40

