

NORTH EAST GLASS



flameshield™

For protection against
extreme conditions

Flameshield™ Smart Solution

Thanks to our hot, dry, drought-prone climate, many Australians live in areas that are prone to bushfire. And with the increasingly extreme weather conditions of the past few years, bushfires have become an all too familiar Australian summer experience.

The Australian Standard for building in bushfire-prone areas AS3959:2009, aims to reduce the risk of loss of life and property in areas with a higher risk of bushfire. According to AS3959:2009, if you build or renovate a home in a bushfire-prone area, it must meet specific bushfire ratings regarding design, construction and materials including your choice of windows and doors.

By meeting this standard, your home will have a higher chance of making it through a bushfire unscathed.

Frame Design

The frames of FlameShield™ windows and doors have been designed to accommodate bushfire safe seals, glazing and hardware.

High Performance Seals

FlameShield™ windows and doors use specially formulated flame retardant seals to ensure products meet the code.

High Performance Glazing

High-performance BAL rated glass, including laminated glass or glass toughened for safety as recommended by the code, will help protect the home in the event of a bushfire.



Design and Symmetry

Flexibility by Design

Bradnam's Flameshield™ products provide a high level of design flexibility. Windows and doors are available in expansive sizes and lifestyle configurations, with modern hardware and beautiful frame colours.

One Aesthetic

A feature of the Flameshield™ product range is its overall visual symmetry within the range and with other Bradnam's window and door products. This consistency in style and finish eliminates any visual clashes and provides a clean, consistent finish throughout a house.

Bushfire Safe Windows and Doors



Essential . Signature . Commercial

Bushfire Protection

Achieving Compliance

Building standards require every new home built in bushfire-prone areas to use bushfire rated building materials for compliance.

Deem-to-satisfy (AS3959) vs Tested Product (AS1530.8.1)

There are two approaches to complying with bushfire regulations. A tested product refers to windows and doors that have been engineered, tested and certified for use in bushfire applications. These products are designed to comply and maintain excellent appearance, functionality and integrity.

The alternative method of compliance is deemed-to-satisfy. This method involves following criteria based on types of materials to be used in manufacturing. There are different sets of criteria for each BAL rating, with those for BAL 40 being the most severe.

+ Toughened Glass

- 5mm toughened glass is often called up for use in windows and doors to ensure they are bushfire safe.
- Toughened glass is up to 4 times stronger than regular float glass.

+ Stainless View™ Screens

Metal screens are often needed on products to achieve specific BAL ratings. Bradnam's Stainless View™ is a proven high grade T316 stainless steel screen that meets all the requirements for use in bushfire prone areas.



Bushfire Attack Levels

FlameShield™ complies with the Australian Standard for building in bushfire-prone areas AS3959:2009.

Bushfire Attack Level (BAL)	Description of predicted bushfire attack and levels of exposure	FlameShield™
BAL – 12.5	Ember attack where heat flux is < 12.5 kW m ² .	Complies
BAL – 19	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 12.5 and 19 kW m ² .	Complies
BAL – 29	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 19 and 29 kW m ² .	Complies
BAL – 40	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 29 and 40 kW m ² , with the increased likelihood of exposure to flames.	Complies

For more information contact
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WINDOWS & DOORS

INSECT & SECURITY SCREENS

SHOWER SCREENS

MIRRORS & WARDROBES

GLASS SPLASHBACKS



Australian Owned & Made

Bradnam's products are proudly made in Australia and designed specifically to meet all Australian conditions.

Product availability, pricing, features, options, sizes, configurations and performance are subject to regional variations, design requirements and building codes.

Images are for illustration purposes only and may not accurately represent the product. Bradnam's Windows & Doors reserves the right to change, alter or delete any aspect of this product without notice. We recommend visiting a Bradnam's showroom before ordering to view colour swatches, glass samples and actual products.



CHOOSE FROM OUR RANGE of Bushfire Rated Windows and Doors that comply up to BAL 40:

- Sliding Windows
- Awning Windows
- Casement Windows
- Double Hung Windows
- Sliding Doors
- Hinged Doors
- Bi-fold Doors



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