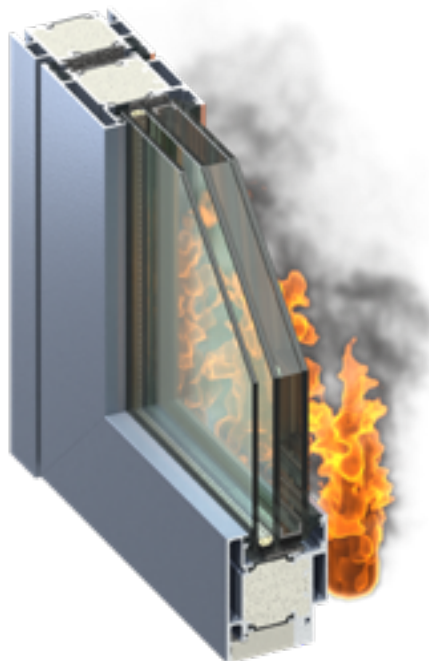




Bushfire Requirements

Where an external window is located within a designated bushfire-prone area requiring BAL-FZ construction, the window shall provide a minimum Fire Resistance Level (FRL) of -/30/- and comply with the applicable requirements of AS 3959 for BAL-FZ construction. Compliance shall be demonstrated by testing to AS 1530.4 together with evidence of compliance with AS 3959, or by testing to AS 1530.8.2, or by protection with a compliant bushfire shutter where permitted by the NCC and AS 3959.

The complete system—including frame, glazing, seals and hardware—must meet the applicable requirements

Bushfire Requirements

Bushfire requirements are determined by AS 3959 Construction of buildings in bushfire-prone areas.

The BAL ratings are:

BAL 12.5	BAL 19	BAL 29
BAL 40	BAL FZ*	

For *BAL FZ (Flame Zone) the window is subjected to direct flame contact. AS 3959 recognises that for BAL FZ a compliant system may include:
a window system with an FRL of -/30/-, or
a window system tested to AS 1530.8.2 from the outside.

BAL-FZ Window Specification (AS 3959)

Option 1 — Fire Tested Window System (AS 1530.8.2)

Or

Option 2 — FRL Rated Window

The window system may comply by achieving:

FRL: -/30/-

Meaning:

Structural adequacy	Not required
Integrity	30 minutes
Insulation	Not required

HOW TO SPECIFY

Aluflam AF70 fire rated glazing system to be fully certified to AS1530.4 for Bushfire BAL FZ Flame Zone providing min FRL -/30/-, AS1530.7 for Smoke Leakage and AS2047 for weathering; incorporating non-corrosive, AF70 thermally broken aluminium frame (61mm sighted x 70mm depth) with {SELECT - Pyrobel / Contraflam Climaplus (IGU)} glass to provide minimum FRL of -/30/- installed in external location, finished in {ENTER PPC COLOUR OR ANODISED} in accordance with Aluflam NATA accredited Fire Report Test Number FAS180467 and IGNE-6248-99 up to wind classification N4 up to 219 km/h as per test report number CiiLOCK. 230-920