



Aluflam AF70 fire rated windows are high performance, thermally broken narrow aluminium frames with its cavity filled with patented fire retardant cooling core. Incorporating extensively tested fire resistant glazing, the AF70 system can be used internally or externally in either 30 or 60 minute fire ratings.

Aluflam glass structures are extensively tested in Australia and throughout the world to the highest standards for fire resistance.

Benefits

- Clean, sharp lines of narrow stile aluminium
- Large glass areas
- Can be install in masonry or plasterboard fire wall
- Simple installation
- High impact resistance
- Energy efficient
- Interior and exterior installation
- Fire rating up to -/60/60
- Manufactured in Australia

Framing

The revolutionary aluminium framing is a thermally broken 61.5x70mm high quality extruded profile that is filled with a patented insulating compound.

All gaps and edges are sealed with high temperature gaskets for fire, smoke and weather protection.

Glass

A grade safety glass to AS1288 is used in all Aluflam glass structures. Two or more layers of specially toughened safety glass is laminated with intumescent gel that provides thermal protection.

For exterior installations a double glazed unit with 6mm toughed low-E glass is used to provide higher comfort levels and also protection of the intumescent gels from elevated temperatures.

Refer to our [Glass](#) datasheet for details.

Finishes

Aluflam can supply a number of factory applied finishes including.

- Anodising
- Polyester power coating

Refer to our [Metal Finishes](#) datasheet for details.

Fire rating	Not Rated	-/60/30	-/60/30	-/60/60
Application	N/A	Internal	External	Internal
Glass	Any single or IGU	Contraflam Lite 60	Contraflam Lite 60 ClimaPlus	FireBlock 60 Structure
Glass thickness	6 - 38mm	14mm	32mm	35mm
Max overall size (w x h)	Unlimited x 6,500mm	Unlimited x 3,000mm	Unlimited x 3,000mm	Unlimited x 3,000mm
Max glass pane size (w x h)	2,000 x 4,000mm	1,200 x 3,000mm	1,200 x 3,000mm	900 x 3,000mm
Sound reduction Rw	-	38 (-1, -2) dB	38 (-2, -5) dB	43 (-2, -3) dB
Light transmission	-	88%	66%	83.6%
U value W/m ³ K	-	5.0	1.5	4.1
Glass weight	-	31.0 kg/m ²	46.0 kg/m ²	61.0 kg/m ²
Butt joint glazing option	Yes	-	-	Yes

Sidelites and Transoms

The Aluflam AF70 framing systems can be framed in modular sections up to a maximum of 6m wide x 6m high. It is recommended to limit each frame construction to 3m wide x 3m high for ease of shipping, handling and installation.

Transoms can be incorporated into the frame to reduce the glass pane size.

Each frame system can be connected to itself to construct a larger wall construction.

Butt Joint Glazing

For a seamless glass look, fire rated glass can be installed without mullions up to 60 minute fire rating. The vertical glass joint is sealed with black fire rated silicone.

Installation

When installing in a masonry wall the opening needs to be 20-30mm wider and 20-30mm higher than the AF70 frame.

The gap between the AF70 frame and the masonry wall is to be fire stopped with mineral wool (100kg/m³) and silicone sealant.

Documentation

Go to our website www.aluflam.com.au/resources for the latest:

- CAD drawings
- Architectural specifications
- Installation instructions
- Test certificates

Maintenance

Fire rated glass must be inspected annually in accordance with AS1851 by a competent person checking the integrity of the glass and seals. Full details are in the standard.

Distributed by



Glazing contractors enquire to become a reseller.