

fire rated glass skylight

aluminium framed fire rated roofing/skylight, FRL up to -/120/120



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delivering engineered solutions

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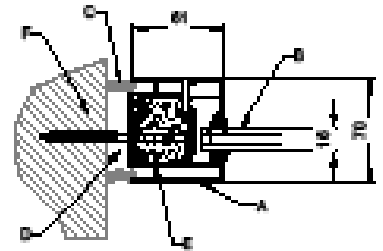
Our fire resistant roofing systems allow natural light to pass through without compromising fire safety. Skylight windows are two to three times more effective at letting sunlight into buildings than other types of windows. We can provide skylight and glass roof structures as a single window or as several window panels attached to each other.

Utilising our advanced aluminium framing, we can create more lightweight and economically friendly glass solutions. All of our fire rated systems are made from thermally insulated high performance aluminium framing systems. This innovative design allows for seamless integration with high specification architectural finishes. Large size glass panes up to an industry leading 3 metres high can be butt-jointed to provide clear glass solutions.

framing

Our fire resistant roofing systems utilise advanced aluminium framing to reduce size and weight. Traditional aluminium is not known for its fire resistant properties, however by using air-rated concrete as insulation, this framing system can achieve the highest levels of protection on the market. As the framing is made from aluminium it is naturally resistant to corrosion, warping and cracking. This makes it a self-sustaining solution which requires little to no maintenance.

A	APR FRAMING
B	CONTINGENT FIRE-RATED GLASS
C	FIRE-RATED GULCHING GLUONE
D	MINERAL WOOL
E	FACTORY FILLED ALUMINUM FIRE-RATED CONCRETE CORE
F	EXTRUDED FIRE-RATED WALL OF CONCRETE / PLASTERBOARD



fire rating

Our aluminium framed fire resistant roofing systems provide great Integrity and Insulation. We can provide a wide range of solutions achieving all FRL's up to - / 120 / 120.



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how does the glass work?

Greene Fire's fire resistant roofing system utilizes intumescent Contraflam® glass and FireBlock Glass. We can provide insulated and non-insulated options to suit your requirements.

The glass has a multi-layer design with two external profiles of toughened safety glass and a filled intermescent inter-layer. The inside chamber is filled with a fire resistant filling preventing the glass profiles from shattering completely.



Initially the fire causes the glass pane that is towards the fire side to break due to the stress on the glass.



The filler interlayer begins to form an opaque insulating protective layer resisting further penetration.

installation

This product can be installed by our expert technicians, ensuring that the product is working to its maximum capabilities. We also provide service technicians to maintain the system, ensuring that it is always at 100%. Please consider lead time, as this process can vary dependent on the size of the project.

benefits

- Clean, sharp lines of narrow aluminium frame
- Provides excellent clarity and sound reduction
- Large wire free glass areas
- Multiple finish options
- Variety of glass thickness options
- 100% installed by our expert technicians
- Best source of natural light
- Energy efficient
- Weather tested for optimal performance
- Made from sustainable materials





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