

fire rated window

aluminium framed fire rated window with an FRL of -/120/120



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delivering engineered solutions

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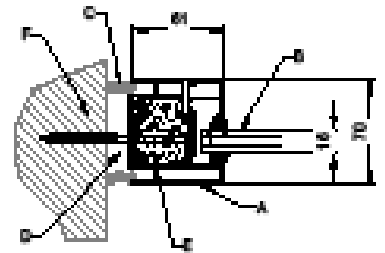
Fire rated glazing is known to provide outstanding protection in the event of a fire. It can be used in a variety of ways, most notably as a barrier for fire separation or compartmentalisation. We have various styles of window available, including **fixed**, **sliding** and **casement** window systems. Our fire resistant windows utilise aluminium profiles with a low U-value, making our windows the ideal solution for use in facades.

All of our glazing systems are tested and compliant to AS1530.4. We can create large clear panes of insulated or non-insulated glass depending on your requirements.

framing

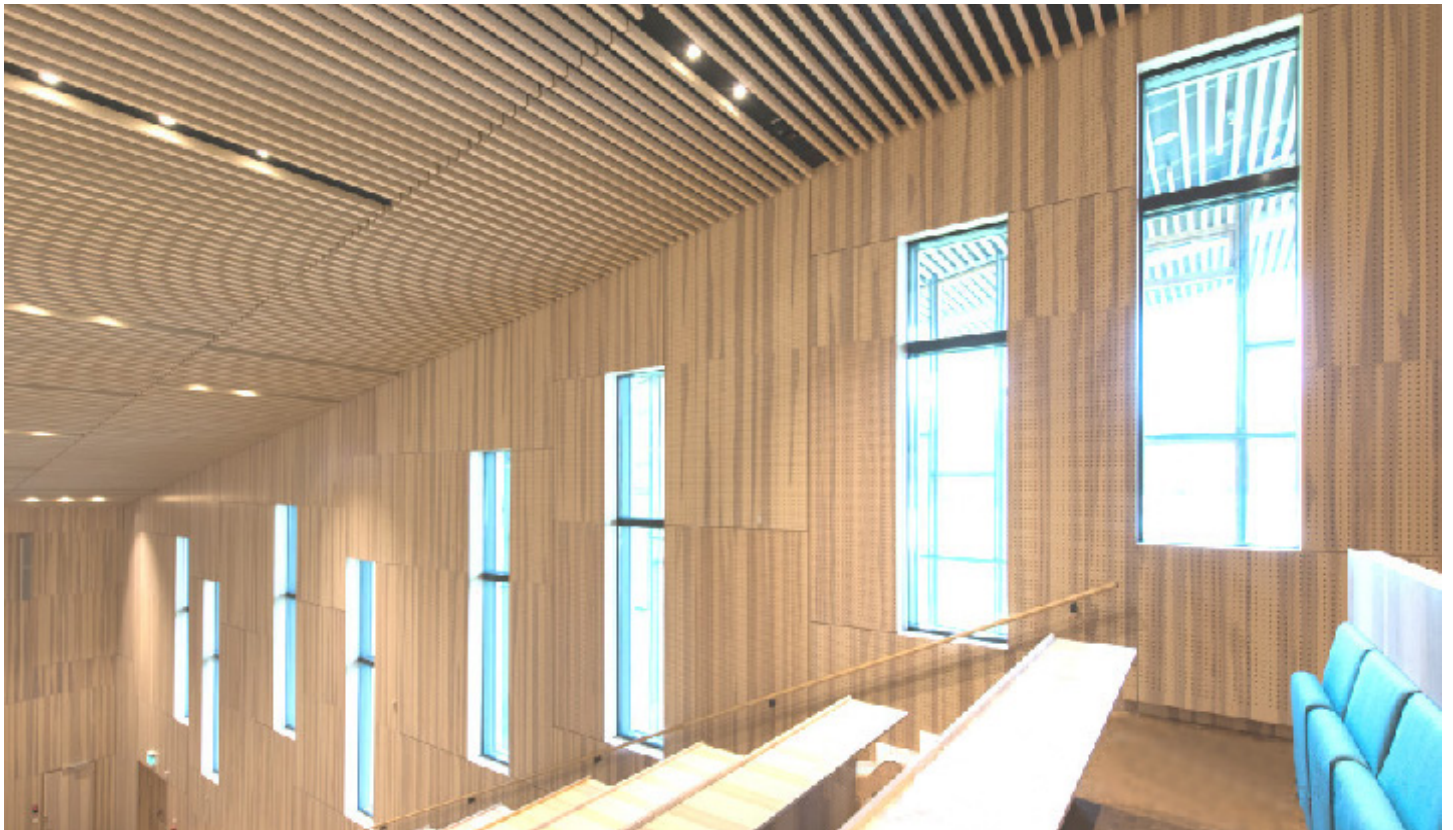
Our fire resistant window system utilises advanced aluminium framing to reduce size and weight. Traditional aluminium is not known for its fire resistant properties, however by using air-rated concrete as insulation, this framing system can achieve the highest levels of protection on the market. As the 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	ALU FRAME
B	CONTEMPLUM FIRE-RATED GLASS
C	FIRE-RATED GASKETS/ GLICONE
D	MINERAL WOOL
E	FACTORY FILLED ALUMINUM FIRE-RATED CONCRETE CORE
F	COMPOSITE FIRE-RATED WALL OF CONCRETE / PLASTERBOARD



fire rating

Our aluminium framed fire resistant window systems provide great Integrity and Insulation. These products range From non-fire rated to - / 120 / 120.



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how does the glass work?

Greene Fire's fire resistant window system utilizes Contraflam® glass as well as 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.

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.



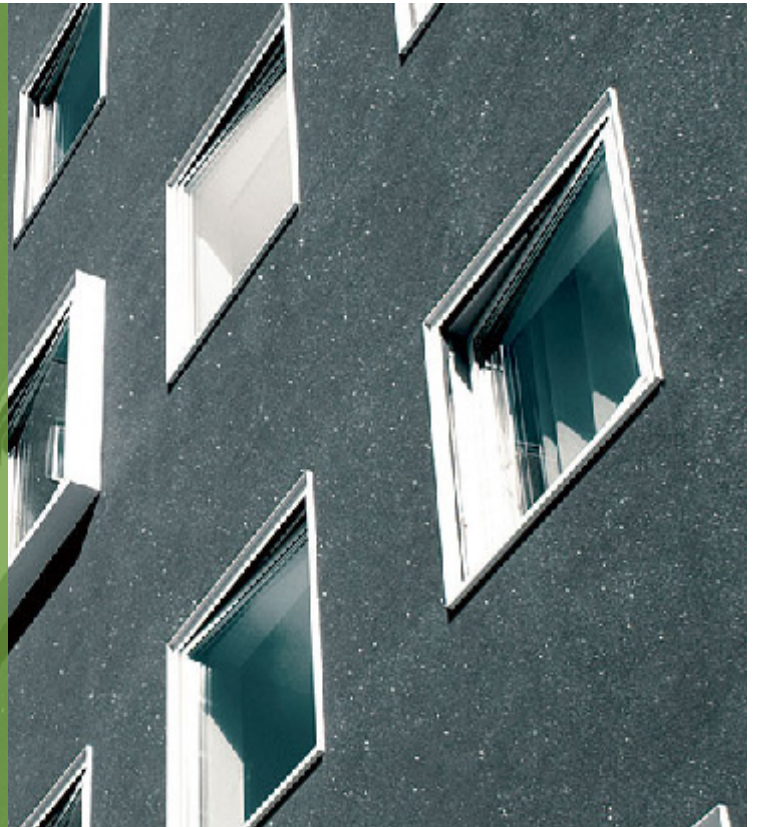
Initially the fire causes the glass pane that is towards the fire side to break due to the stress on the glass.



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

benefits

- Clean, sharp lines of narrow aluminium frame
- Provides excellent clarity and sound reduction
- Large wire free glass areas
- Multitude of finish options
- Glass can be butt-joint to allow greater spans of glass
- 100% installed by our expert technicians
- Barrier to radiant heat
- Energy efficient
- Available in single and multi-panel window designs
- High thermal performance





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