

fire rated glass wall

aluminium framed, glazed fire rated walls up to -/120/120



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delivering engineered solutions

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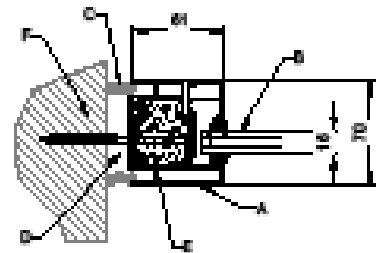
We can deliver a wide range of fire resistant walls. All walls are compliant to AS1530.4 and provide strong protection from flames. We pride ourselves on providing walls which satisfy a high safety standard without compromising on aesthetics.

Utilising our advanced aluminium framing, we can create more lightweight and economically friendly glass solutions. We can create large clear panes up to 3 meters in height of insulated or non-insulated glass depending on your requirements. These glass panes can also be butt joint to create large wire free glass areas.

framing

Our fire resistant wall system incorporates patented technology that utilises insulated 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 of aluminium it is naturally resistant to corrosion, warping and cracking. This makes it a self-sustaining solution which requires little to no maintenance.

A	AFRIS FRAME
B	CONTEMPORARY FIRE-RATED GLASS
C	FIRE-RATED GULCHING GLUING
D	MINERAL WOOL
E	FACTORY FILLED ALUMINUM FIRE-RATED CONCRETE CORE
F	200/120/120 FIRE-RATED WALL OF CONCRETE / PLASTERBOARD



fire rating

Our aluminium framed fire resistant walls provide great Integrity and Insulation. These products have a wide range of FRL's which range From non-fire rated to - / 120 / 120 as seen in the table provided below.



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how does the glass work?

Greene Fire's fire resistant wall system utilizes 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

- FRL up to -/120/120
- Clean, sharp lines of narrow aluminium frame
- Provides excellent clarity and sound reduction
- Large wire free glass areas
- Multiple finish options: wood, steel, glass, aluminium
- Variety of glass thickness options
- 100% installed by our expert technicians
- Barrier to radiant heat
- Available in single and multi-layer glass designs
- Energy efficient saving heat costs
- High thermal performance





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