



fire rated glass door

insulated and non-insulated aluminium framed fire rated glass door



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delivering engineered solutions

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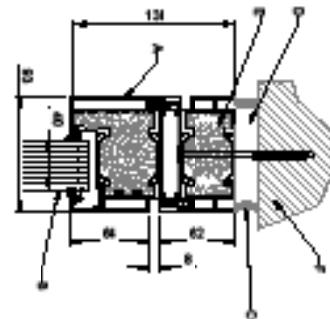
We can deliver a wide range of interior and exterior fire resistant doors. These include sliding doors, single doors, double doors and swinging doors. All doors are compliant to AS1530.4 and AS1905.1 and provide strong protection from flames. We pride ourselves on providing doors which satisfy a high safety standard without compromising design.

We can create large clear panes of insulated or non-insulated glass depending on your requirements. Our innovative aluminium framing creates a lightweight design which is easily operated as opposed to steel framed solutions which can be heavy and difficult to move. We can develop fire resistant glass solutions which can achieve an industry leading maximum height of 3m.

framing

Our fire resistant door 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	ALUMINIUM FRAME
B	CONTRAPLAN FIRE RATED GLASS
C	PRE-FIRED CHLORINATED GLUCOSE
D	MINERAL WOOL
E	FACTORY FILLED ALUMINIUM PRE-FIRED CONCRETE CORE
F	TOP-FIRED PRE-FIRED WALL OF CONCRETE / PLASTERBOARD



fire rating

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



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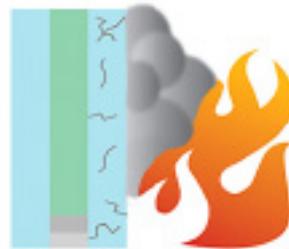
how does the glass work?

Greene Fire's fire resistant door 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.

installation

This system 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
- Multiple finish options: 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





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