

fire rated façade

insulated and non-insulated aluminium framed fire rated façade



revision 5.0 June 2019

delivering engineered solutions

fire rated façade

insulated and non-insulated aluminium framed fire rated façade

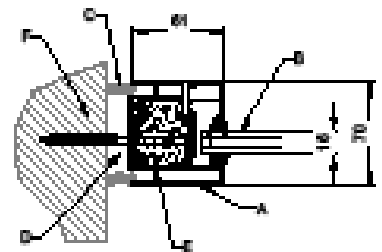
Our façades are very versatile and can be combined with panel doors, glass door frames and sliding doors. They satisfy regulatory requirements for insulation and wind load. The insulated façades can be combined with non-fire rated façades. All façades are compliant to AS1530.4.

We can create large clear panes of insulated or non-insulated glass depending on your requirements. Due to our lightweight aluminium framing we are able to achieve an industry leading 3 meter high glass pane

framing

Our fire resistant façade 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 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	AFR FRAME
B	CONCRETE FILL INSULATION
C	FIRE-RATED GLASS
D	MINERAL WOOL
E	FACTORY FILLED ALUMINUM FIRE-RATED CONCRETE CORE
F	CONCRETE FIRE-RATED WALL OF CONCRETE / PLASTERBOARD



fire rating

Our fire resistant façade systems provide high levels of integrity and Insulation. These products range from non-fire rated to - / 120 / 120.



fire rated façade

insulated and non-insulated aluminium framed fire rated façade

how does the glass work?

Greene Fire's fire resistant façade system utilizes Contraflam® 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.



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.



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
- Variety of glass thickness options
- 100% installed by our expert technicians
- Maximises natural light
- Available in single and multi-panel glass designs
- Wind tested to withstand the elements





delivering engineered solutions

Melbourne

Greene Fire Pty Limited
123 Woodlands Drive
Woodlands Industrial Estate
Braeside, VIC, 3195
P (03) 8526 1990
www.greenefire.com.au
ABN: 50 122 435 081

unit 12



delivering engineered solutions

Sydney

Greene Fire Pty Limited
Unit 2, 7-11 Parraweena Road
Taren Point, NSW 2229
P (02) 9526 3100
www.greenefire.com.au
ABN: 50 122 435 081



INNI^{TV}ATE

