

## FIREGLAZE 2000 - FITTING PROCEDURE

The Fireglaze 2000 system enables Pyroshield or Pyran glass to achieve 60 minutes' fire resistance in a timber screen, using any type of wood, including softwood, with a minimum density of 520 kg/m<sup>3</sup>.

### Components:

Fireglaze Liner 63mm x 2mm - in 2.1m lengths  
Fireglaze 2000 strip 35mm x 5mm in 2.1m lengths  
Fireglaze Compound in 300 ml cartridge

The timber frame should be erected and secured in place. The timbers used need to have a minimum nominal density of 520 kg/m<sup>3</sup> and be of a size not less than 90mm x 45mm. All joints in the screen framework should be notched and screwed. The framework should be fixed to the aperture using steel countersunk screws 100mm long x 5.3mm diameter (4 x No. 10) at 750mm centres. The joint between the framework and the structural opening should be sealed using ceramic fibre and Fireglaze compound.

The Fireglaze Liner is then fixed to the interior of the apertures formed for glazing by means of the self adhesive strip fixed to the liner. All corners and joints must be carefully fitted to ensure there are no gaps.

The beads should be 37mm x 28mm, with the visible face inclined at 25° to the horizontal. The Fireglaze 2000 35mm x 5mm strip should be fixed to the face of the beads using a film of the Fireglaze compound and wood staples (Arrow T50) at 100mm centres may be used to prevent movement during fixing. All joints and corners must be carefully fitted to avoid any gaps. The beads should be fixed in place around one aperture using steel countersunk screws 75mm x 4.3mm diameter (No. 8) at 180mm centres and put in at an angle 25° to the vertical.

The visible face of the Fireglaze 2000 should be coated in a film of Fireglaze compound and the glass carefully placed in position, ensuring full contact between the glass and the Fireglaze 2000.

The glass should be 9mm less than the height of the aperture and 7mm less than the width. It should fit on 1mm non-combustible spacers and all gaps should be filled with Fireglaze compound.

The second set of beads should be fixed in place in the same manner as above, ensuring everything fits well and there are no gaps that fire might exploit.

The bead sizes in these instructions are only suitable for Pyroshield Glass. If Pyran is fitted, setting blocks must be used to reduce the edge cover of the glass to 20mm. All gaps between glass and liner must be filled with Fireglaze compound.