

# Fire Resistant Glazing Systems



## THERM-A-CHANNEL

### DESCRIPTION

THERM-A-CHANNEL is a specially compounded intumescent elastomeric material which is extruded into a 12 mm x 15mm channel, forming a glazing gasket which cups the edge of the glass pane. Being elastomeric the gasket is impervious to water and atmospheric moisture.

### PERFORMANCE

THERM-A-CHANNEL has been designed and tested for use in the 30 minute glazing applications found in screens and firedoors, using either wired or clear fire rated glass. It is approved for use with glass sized up to 700 x 800mm in FD30 and FD30S fire doors and screens. As with any fire-rated element it is essential that the construction used is of a type previously tested, and therefore the following specifications should be followed:

### FIREDOORS

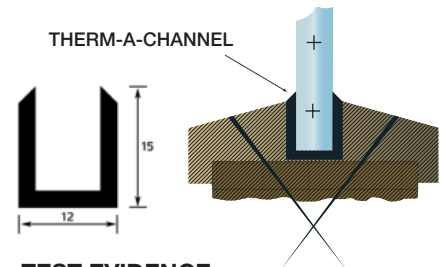
Glazing aperture in Particleboard core doors to be lined with 6mm Hardwood. Beads - softwood, 13mm high x 21mm wide. Fixings 12g steel pins 40mm long at 150mm centres.

### SCREENS

Frame - softwood 90 x 45mm. Beads - softwood 13mm high x 21mm wide. Fixings - 12g steel pins, 40mm long at 150mm centres.

### INSTALLATION

THERM-A-CHANNEL is simply cut to length to the perimeter of the glass pane. The corners are mitred cutting the side wall only and leaving the base intact. It is then pushed onto the glass edge, no adhesive or sealants are required and finally, the aperture is glazed as detailed under performance.



### TEST EVIDENCE

THERM-A-CHANNEL is covered by test report IFCI 290, where a glazed panel 808 x 710mm in a flaxboard core doorleaf, retained by softwood beads attained 36 minutes integrity. Its use in softwood screens is covered by report DIG 9611131 where a softwood screen with central transom attained an integrity rating of 34 minutes.

### AVAILABILITY

THERM-A-CHANNEL is available ex-stock in 100m coils.

## PYROGLAZE® CHANNEL

### Intumescent seals

### PYROGLAZE® CHANNEL

PYROGLAZE® Channel is a neoprene based U shaped gasket preformed glazing seal for 30 minute fire protection, easily fitted around the periphery of fire resisting glass. It can be used to glaze apertures in fire resisting doors, screens and partitions.

PYROGLAZE® Channel has been fire tested/ assessed to BS476 Pt 22 1987 providing in excess of 30 minutes fire resistance when used in conjunction with the following glasses:

- Georgian Wired
- Firelite®
- Pyran®
- Pyrobel®
- Pyrobelite®
- Pyroshield®
- Pyroguard®
- Pyrodur®
- Pyrostop®

### INSTALLATION

Glazing rebates must be free from dirt, grit or friable materials. PYROGLAZE® Channel should be cut to suit the glass size to be installed. PYROGLAZE® Channel can be cut with a sharp knife or scissors. PYROGLAZE® Channel should be fitted around the edges of the glass.

The first glazing bead should be fixed into position using steel pins 38mm long at 150mm centres. The glass, together with the PYROGLAZE® Channel should be offered up into the opening.

The second glazing bead should be fixed into position using 38mm long steel pins at 150mm centres.

N.B. All pins must be splayed so they fit under the glass.



Pyroglaze® Channel 6	Suitable for glasses 5mm to 7mm thick	50m Coil
Pyroglaze® Channel 10	Suitable for glasses 10mm to 12mm thick	30m Coil
Pyroglaze® Channel 15	Suitable for glasses 14mm to 15mm thick	

Any Timber used in the construction must have a minimum density of 650KG/M<sup>3</sup>