

DUFAYLITE PRODUCT FILE

Fire Protection Products Division

No. 27

Fire Protection System

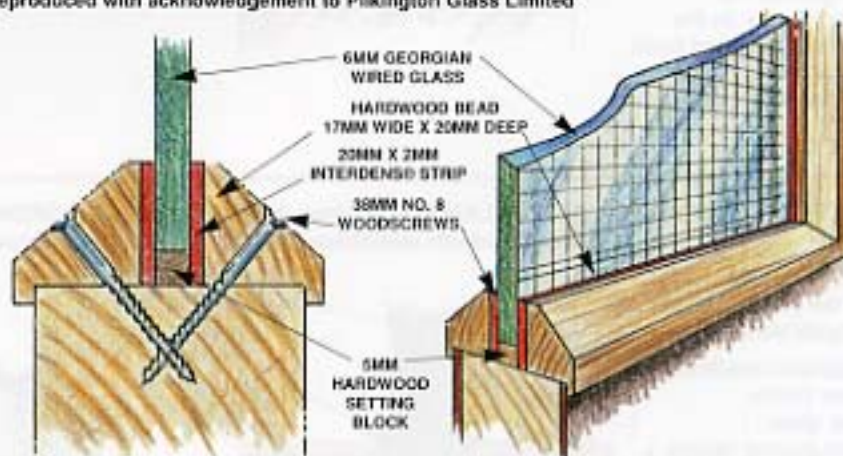
½ AND 1 HOUR PROTECTION FOR GLAZING

½ HOUR FIRE INTEGRITY FOR GEORGIAN WIRED GLAZED OPENINGS UP TO 720mm x 1040mm

Reproduced with acknowledgement to Pilkington Glass Limited

Installation method using hardwood glazing beads and Interdens® intumescent strip is tested to 37 minutes integrity and stability to BS 476 Part 8 (1972).

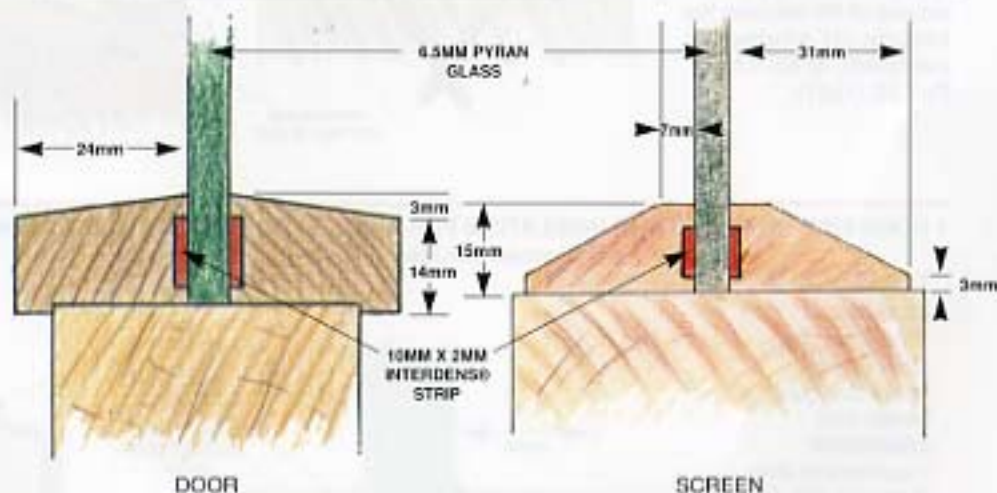
This configuration may be used for installing Georgian wired glass into fire resisting doors, partitions and other glazed openings.



½ HOUR FOR 'PYRAN' GLAZED OPENINGS UP TO 596mm x 1696mm FOR DOORS, 1197mm x 2003mm FOR SCREENS

Reproduced with acknowledgement to Schott Glass Limited

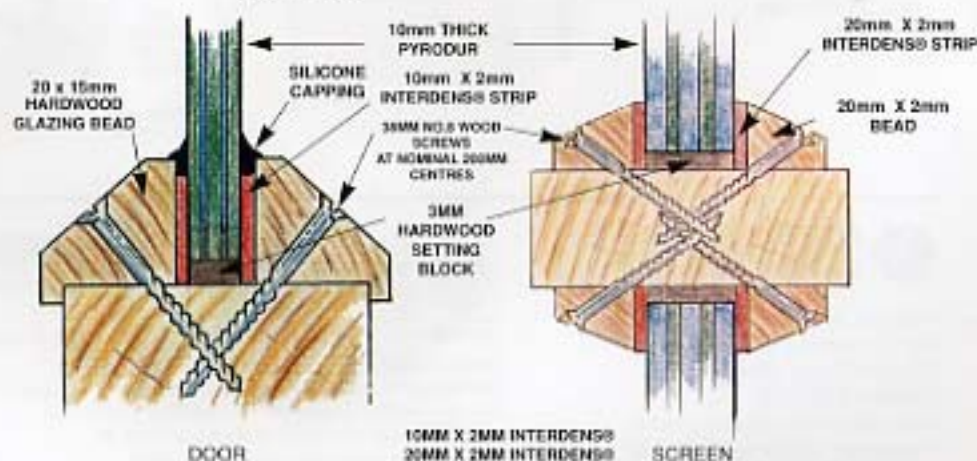
The 6.5mm Pyran glass is retained by Mahogany beads grooved for Interdens® intumescent strip 10mm x 2mm. In tests to BS 476 Part 8 (1972) the screen achieved 44 mins stability, 43 mins integrity. The door achieved 44 mins stability, 35 mins integrity. The screen beads were of overall section 31 x 15mm, normal to the glass for 7mm then chamfered to 3mm at the outer edge. The 24 x 17mm door beads are chamfered from the glass to 12mm at the face of the door with a 2mm bevel return over the face of the door.



½ HOUR FOR 'PYRODUR' GLAZED OPENINGS UP TO 732mm x 1752mm FOR DOORS and 1000mm x 2000mm FOR SCREENS

Installation of 10mm Pyrodur mounted vertically into a timber frame and door, using Utile beads and hardwood setting blocks with Interdens® intumescent strip.

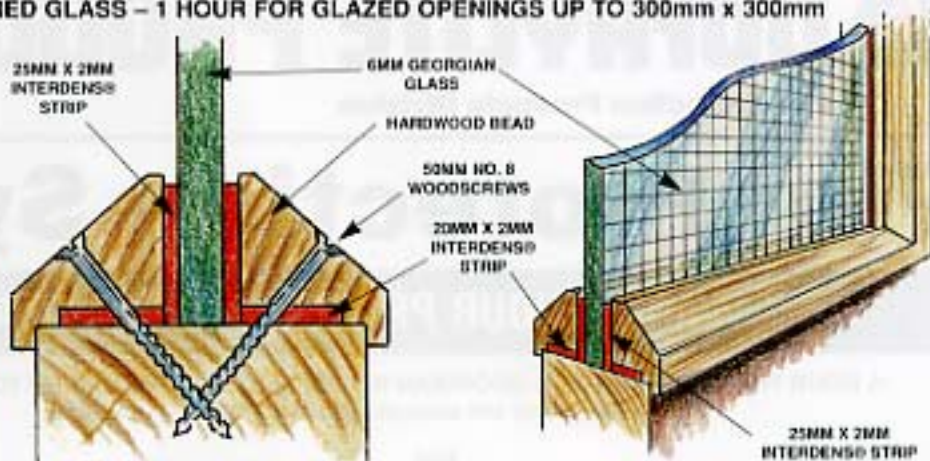
Tested to BS 476 Part 22 1987, achieving 41 minutes integrity, 9 minutes insulation for the door and 44 minutes integrity and 16 minutes insulation for the screen.



GEORGIAN WIRED GLASS – 1 HOUR FOR GLAZED OPENINGS UP TO 300mm x 300mm

For doors and partitioning.

The use of hardwood glazing beads, 25mm x 2mm and 20mm x 2mm Interdens® intumescent strip, has been independently tested to BS 476 Part 8 (1972) for 1 Hour. Using 50mm screws to fit the beads ensures that whichever side may be exposed to fire, the fixings extend into the uncharred timber towards the unexposed side. In the event of the exposed bead falling away, the remaining screws would act as glazing sprigs.

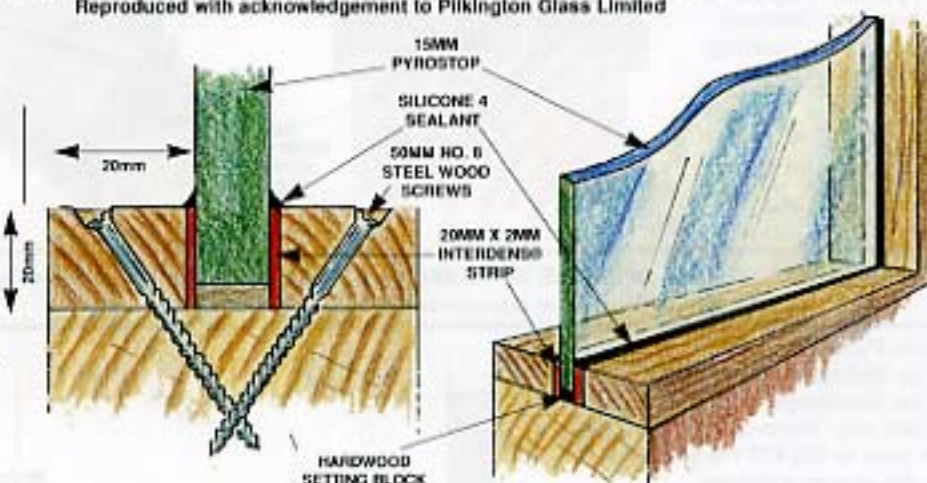


1 HOUR FIRE INTEGRITY 41 mins INSULATION FOR 15mm 'PYROSTOP' GLAZED OPENINGS UP TO 1400mm x 2000mm Reproduced with acknowledgement to Pilkington Glass Limited

Pyrostop® is suitable for vertical, fire resistant glazing applications.

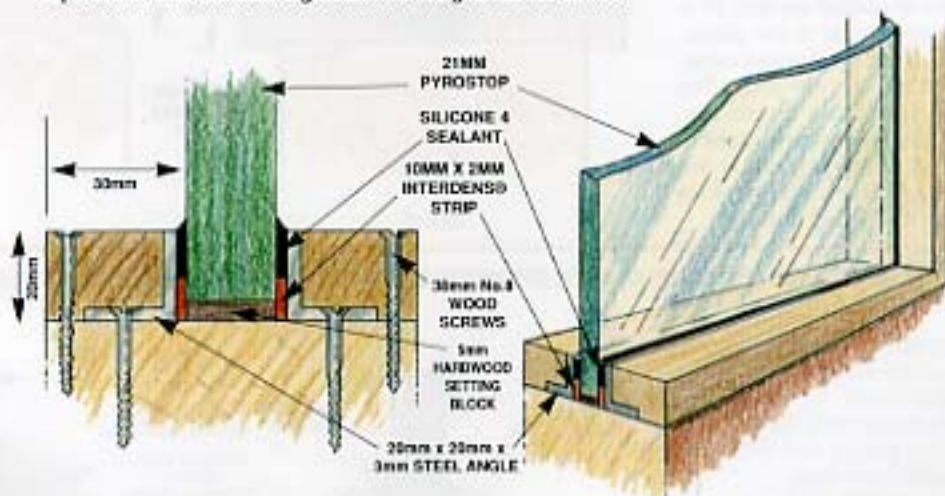
This installation method comprises 15mm 'Pyrostop' glass, hardwood glazing beads, Interdens® intumescent strip and fire resistant silicone sealant.

It has been tested in excess of 60 minutes fire integrity, (41 minutes insulation), to BS 476 Part 22 (1987).



1 HOUR FIRE INTEGRITY AND INSULATION FOR 21mm 'PYROSTOP' GLAZED OPENINGS UP TO 510mm x 2000mm Reproduced with acknowledgement to Pilkington Glass Limited

This installation comprises 21mm 'Pyrostop' glass, steel angles, hardwood glazing beads and Interdens® intumescent strip. Tested to BS 476 Part 8 1972 showed 78 minutes stability, 78 minutes integrity and 74 minutes insulation.



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The International Fire Safety Association

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