

HALSPAN PRIMA FD60 GLAZING

Halspan is capable of tolerating relatively large glazed apertures. Tests and approval cover a variety of aperture shapes.

Maximum area of glazing.

Aperture sizes up to a maximum combined area of **0.82m² per leaf**.

Examples of design styles, including square, rectangle, circular and multi-pane, will be found in this section.

Construction

Cut aperture directly into Halspan, with beads fitted directly to the particle board.

Lipping

Where necessary, fit lipping to edges of the cut-out prior to installing the glazing system. Fit 10mm thick hardwood lipping > 530kgm³ density at a moisture content 10 ± 2%.

Adhesives

Bond with Polyurethane (PU), PVAC or Urea Formaldehyde, Hot Melt.

Beads

Glazing beads must be hardwood > 650 kg m³ density at moisture content 10 + 2% and may require to be screw fitted. Beads and fixings should be in accordance with the glazing system manufacturer's requirements in order to maintain the integrity of the fire door.

Glass Shapes

Circular, triangular, square or rectangular shapes are acceptable provided that the bead, intumescent and fixing details are as proven acceptable in test by the intumescent /glazing manufacturers.

Glass Types

Glass Type	Manufacturer
6 & 7mm Pyroshield	Pilkington
6 & 7mm Pyroshield II	Pilkington
6mm Pyran S	Schott
6mm Pyrocet	Securiglass Ltd
6mm Pyrostem	CGI
10mm Pyrodur	Pilkington
11mm Pyroguard	CGI
12mm Pyrobelite	AGC Flat Glass Europe
13mm Pyrodur	Pilkington
15mm Fireswiss Foam	CGI
16mm Contraflam	Vetrotech
15mm Pyrostop	Pilkington
16mm Pyrobel	AGC Flat Glass Europe

Alternative glasses may be substituted provided they demonstrate adequate performance, in the required pane size, when tested in timber doorsets of comparable construction.

Design

The maximum areas apply to each door leaf and are applicable for all door configurations offered under the Halspan FD60 specification.

Circular/ Curvilinear Glazing

Follow the proceeding glazing specifications, with a maximum aperture dimension of 500mm diameter for all leaf sizes and configurations.

Use hardwood bead of $>650\text{kg m}^3$ density at moisture content $10 \pm 2\%$, 15mm deep and a 25° chamfer with bolection moulding not less than 4mm deep.

Semi-Circular Glazing

Includes mixed apertures, e.g. D-ended and full semi-circles. Installation as full circles, with restriction to 250mm maximum radius for the curves.

Ladder Glazing

This effect is created by applying a single cut-out to one pane of glass. Full details with diagrams are provided in this section.

Multi-pane Glazing

Halspan tests permit the use of horizontal and vertical hardwood bars or astragals to sub-divide an aperture. Full details with diagrams are provided in this section.

CAUTION

All glass types must be fitted strictly in accordance with the manufacturers' tested details and installation requirements.

Not Permitted

Glasses proven only by tests in screens are not acceptable.

Safety Glass

All safety glass fitted to Halspan Doors has been tested by manufacturers to BS 6206: 1981.

Note

Alternative glazing products are acceptable, provided that they can demonstrate adequate performance in the required pane size and when tested in doorsets of comparable construction.