

## FORZA DOORS

### (FSPEC08) Specification Forza FD60 Timber Frame Internal Screen

#### MANUFACTURER

Forza Doors Limited, 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK

Telephone: +44(0)1403 711126, Fax: +44(0)1403 711229, Email: [sales@forza-doors.com](mailto:sales@forza-doors.com)

#### DETAILED DESCRIPTION

Forza timber frame fire screen solutions provide a comprehensive range of Standard Elevations comprising glazed and door modules providing 60 minute fire resistance performance when adjudged against BS476: part 22:1987. 30 & 60 minute insulation is available dependant on glass specified as are mullion free elevations.

Forza Timber Framed Glazed Screens comply with the structural guidelines recommended in BS5234-2 Partitions 1992 and BS6180-2011 Barriers in and about Buildings, Code of Practice.

#### OPTIONS

##### TIMBER FRAME STANDARD ELEVATIONS REFERENCE & TYPE:

|     |  |                          |
|-----|--|--------------------------|
| SA: | door & fanlight module plus three dado glazed modules                  | FD60/0, FD60/30, FD60/60 |
| SB: | glazed module plus two dado glazed modules                             | FD60/0, FD60/30, FD60/60 |
| SC: | door module plus three dado glazed modules                             | FD60/0, FD60/30, FD60/60 |
| SD: | central door module plus two full glazed modules                       | FD60/0, FD60/30, FD60/60 |
| SE: | three full glazed modules  | FD60/0, FD60/30, FD60/60 |
| SF: | two full glazed module plus door module                                | FD60/0, FD60/30, FD60/60 |
| SK: | four full glazed modules plus central door module                      | FD60/0, FD60/30, FD60/60 |
| SG: | two full glazed modules plus door module plus transomed glazed o/panel | FD60/0                   |

|     |  |                          |
|-----|--|--------------------------|
| SH: | three full glazed modules plus transomed glazed o/panel                  | FD60/0                   |
| SI: | two full glazed modules plus door module plus full transomed o/panel     | FD60/0                   |
| SJ: | four full glazed modules plus central double door module                 | FD60/0, FD60/30, FD60/60 |
| SP: | single full glazed module plus door module plus transomed glazed o/panel | FD60/30, FD60/60         |
| SQ: | two full glazed modules plus transomed o/panel                           | FD30/30, FD60/60         |
| SL: | three full glazed modules mullion free                                   | FD60/60                  |
| SM: | three full glazed modules mullion free plus door module                  | FD60/60                  |
| SN: | four full glazed modules mullion free plus central door module           | FD60/60                  |
| SO: | four full glazed modules mullion free plus double door module            | FD60/60                  |

### **BESPOKE ELEVATIONS** as per project drawings

#### **LINER & BEAD**

#### **TIMBER**

Hardwood of minimum density 640kg/m<sup>3</sup>. Timber quality and moisture content in accordance with BS EN 942: 2007.

Perimeter liner: minimum depth 104mm x minimum thickness 32mm

Vertical mullions: minimum depth 104mm x minimum thickness 44mm

Door mullion/frame & Transoms: minimum depth 104mm x minimum thickness

44mm Flush Bead: minimum depth > 37mm (to suit glass) x minimum thickness 27mm

#### **TIMBER FRAME FINISH AS DELIVERED**

Clear/tinted: two coats of high solid acid-catalyst lacquer, 20% gloss / other

Stained ..... Colour & finished with two coats high solid acid catalyst lacquer

Paint: two coats pigmented precat lacquer

For onsite finishing by others:

Pre-cat primer unsanded for onsite denib & coat with either standard water based latex / acrylic or oil based (alkyd) topcoat paint.

## **GLAZING**

FD60/0 Fire Glass

Forza code GFP12: 12mm fire glass. Weight 27Kgs/m<sup>2</sup>.

FD60/30 Fire Glass

Forza code GFP16: 16mm fire glass. Weight 40Kgs/m<sup>2</sup>.

Forza code GFP20: 20mm fire glass. Weight 48kgs/m<sup>2</sup>.

FD60/60 Fire Glass

Forza code GFP25: 25mm fire glass. Weight 60Kgs/m<sup>2</sup>.

Forza code GFP25MF: 25mm fire glass. Weight 60Kgs/m<sup>2</sup>.

## **GLAZED FRAME SEALS**

Glass codes GFP12, GFP16, GFP20, GFP25, GFP25MF : Closed cell (EPDM) foam 12 x 5mm

## **MULLION FREE BUTT JOINT**

Dow Corning Firestop 700 : 5mm maximum thick butt joint.

## **FIRE RESISTANCE RATING**

FD60/0, FD60/30, FD60/60: 60 Minutes integrity / (insulation) to BS 476: Part 22:1987

## **SOUND INSULATION**

Not Required / Required

Glass code GFP12 Weighted Sound Reduction Index (Rw) 36(-1;-3)dB

Glass code GFP16 Weighted Sound Reduction Index (Rw) 39(-1;-3)dB

Glass code GFP20 Weighted Sound Reduction Index (Rw) 39(-1;-3)dB

Glass code GFP25/GFP25MF Weighted Sound Reduction Index (Rw) 40(-1;-3)dB

Rating according to BS EN ISO 717-1:2020 from tests and measurements conducted in accordance with BS EN ISO 140-3:1995.

## **STRUCTURAL PERFORMANCE**

Glass safety rating to BS6206 (BS EN12600)

Glass code GFP12: Class B (2B2)

Glass code GFP16: Class B (2B2)

Glass code GFP20: Class A (1B1)

Glass code GFP25/GFP25MF: Class A (1B1)

All fire glasses recommended for use with Forza fire screens comply with the recommendations on class of safety glass to be used in critical locations as determined in table 1 of BS6262-4:2018 glazing for Buildings Part 4: Code of practice for safety related to human impact. Forza Timber Framed Screens tested in accordance with BS5234-2 (methods – Annex A/C/E/F) achieved performance levels summarised as grade requirement Severe Duty and comply with the recommended maximum deflection as a result of horizontal imposed loads detailed in BS6180-2011 Barriers in and about Buildings.

**TIMBER MOISTURE CONTENT ON DELIVERY**

Comply with BS EN 942:2007 service climate 12-21° c / above 21° c .12 %

**SITE CONDITIONS**

Conditions for storage, handling, stacking and covering of timber framing and glass panels during installation to comply with manufacturer's instructions.

Post installation temperature to be in region 12°c to 21°c and relative humidity range 40% to 60%.

**INSTALLATION**

Fix timber frame(s), glass panel's seals and bead in accordance with Forza Glazed fire screen Installation guide.

**FORZA FIRST SPECIFICATION DOCUMENTS**

FSPEC01 SPECIFICATION FORZA FIRST FD30(S) TIMBER INTERNAL FLUSH DOORS

FSPEC02 SPECIFICATION FORZA FIRST FD60(S) TIMBER INTERNAL FLUSH DOORS

FSPEC03 SPECIFICATION FORZA FIRST FD90(S) TIMBER INTERNAL FLUSH DOOR ASSEMBLY

FSPEC04 SPECIFICATION FORZA FIRST FD120(S) TIMBER INTERNAL FLUSH DOOR ASSEMBLY

FSPEC05 SPECIFICATION FORZA FIRST NON FIRE TIMBER INTERNAL FLUSH DOORS

FSPEC06 SPECIFICATION FORZA CLASS 1/ CLASS 0 TIMBER VENEER WALL LINING PANELS

FSPEC07 SPECIFICATION FORZA FIRST FD30 TIMBER FRAME INTERNAL SCREEN

FSPEC08 SPECIFICATION FORZA FIRST FD60 TIMBER FRAME INTERNAL SCREEN