

## FORZA DOORS

### (FSPEC07) Specification Forza FD30 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 &/or MDF frame fire screen solutions provide a comprehensive range of Standard Elevations comprising glazed and door modules providing 30 minute fire resistance performance when adjudged against BS476: part 22:1987. 30 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	FD30/0, FD30/30
SB:	glazed module plus two dado glazed modules	FD30/0, FD30/30
SC:	door module plus three dado glazed modules	FD30/0, FD30/30
SD:	central door module plus two full glazed modules	FD30/0, FD30/30
SE:	three full glazed modules	FD30/0, FD30/30
SF:	two full glazed module plus door module	FD30/0, FD30/30
SK:	four full glazed modules plus central door module	FD30/0, FD30/30
SG:	two full glazed modules plus door module plus transomed glazed overpanel	FD30/0
SH:	three full glazed modules plus transomed glazed overpanel	FD30/0

SI:	two full glazed modules plus door module plus full transomed overpanel	FD30/0
SJ:	four full glazed modules plus central double door module	FD30/0, FD30/30
SP:	single full glazed module plus door module plus transomed glazed overpanel	FD30/30
SQ:	two full glazed modules plus transomed overpanel	FD30/30
SL:	three full glazed modules mullion free	FD30/30
SM:	three full glazed modules mullion free plus door module	FD30/30
SN:	four full glazed modules mullion free plus central door module	FD30/30
SO:	four full glazed modules mullion free plus double door module	FD30/30

BESPOKE ELEVATIONS as per project drawings

#### **LINER & BEAD**

##### **TIMBER**

Solid Softwood or Hardwood of minimum density 510kg/m<sup>3</sup>. Timber quality and moisture content in accordance with BS EN 942: 1996.

Perimeter liner & vertical mullions: minimum depth 79mm x minimum thickness 32mm

Door mullion/frame & Transoms: minimum depth 79mm x minimum thickness 44mm

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

##### **MDF**

Veneer wrap MDF of minimum density 700Kg/m<sup>3</sup> edge lipped with 4-9mm hardwood timber.

Moisture content in accordance with BS EN 942:1996

Perimeter liner /door & vertical mullions/transoms: minimum depth 79mm x minimum thickness 45mm

Flush bead: minimum depth (to suit glass) x minimum thickness 27mm

#### **TIMBER & MDF 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 un-sanded for onsite denib & coat with either standard water based latex / acrylic or oil based (alkyd) topcoat paint.

#### **GLAZING**

##### **FD30/0 Fire Glass**

Forza code GFP7: 7mm fire glass. Weight 17Kgs/m<sup>2</sup>. For elevation type SA, SB, SC

Forza code GFP13:13mm fire glass. Weight 27Kgs/m<sup>2</sup>. For elevation type SD, SE, SF, SK, SJ

Forza code GFS12: 12mm fire glass. Weight 28Kgs/m<sup>2</sup>. For elevation type SG, SH, SI.

##### **FD30/30 Fire Glass**

Forza code GFP16: 16mm fire glass. Weight 40Kgs/m<sup>2</sup>. / GFP20: 20mm fire glass weight 48kgs/m<sup>2</sup> /

GFSP15: 15mm fire glass weight 35kgs/m<sup>2</sup> For elevation type SA, SB, SC, SD, SE, SF, SK, SP, SQ, SJ.

Forza code GFP16MF: 16mm fire glass. Weight 40Kgs/m<sup>2</sup> / GFP20MF: 20mm fire glass weight 48kgs/m<sup>2</sup> For elevation type SL, SM, SN, SO

#### **GLAZED FRAME SEALS**

Glass codes GFP7, GFP13, GFP16, GFP16MF, GFP20, GFP20MF, GFSP15: Closed cell (EPDM) foam 12 x 5mm

Glass code GFS12: Therm-A-Glaze30 (tg3)

#### **MULLION FREE BUTT JOINT**

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

#### **FIRE RESISTANCE RATING**

FD30/0, FD30/30: 30 Minutes integrity / (insulation) to BS 476: Part 22:1987

#### **SOUND INSULATION**

Not Required / Required

Glass code GFP7 Weighted Sound Reduction Index (Rw) 34(0;-3)dB

Glass code GFP13 Weighted Sound Reduction Index (Rw) 36(-1;-3)dB

Glass code GFP16/GFP16MF/GFP20/GFP20MF Weighted Sound Reduction Index (Rw) 39(-1;-3)dB

Glass code GFS12 Weighted Sound Reduction Index (Rw) 34(-2;-3)dB

Glass code GFSP15 Weighted Sound Reduction Index (Rw) 38(-1;-3)dB

Rating according to BS EN ISO 717-1:1997 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 GFP7: Class C (3B3)

Glass code GFP13: Class B (2B2)

Glass code GFP16/GFP16MF: Class B (2B2)

Glass code GFS12: Class A (1C1)

Glass code GFP20/GFP20MF: Class A (1B1)

Glass code GFSP15: 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 BS6262-4:2005 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 max 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 & MDF 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