

## FORZA DOORS

### (FSPEC01) Specification Forza First FD30(S) Timber Internal Flush Doors

#### 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)

#### DOOR REFERENCE & TYPE

A (single leaf) / B (double equal leaves) / C (double unequal leaves) /  
D (single leaf & overpanel) / E (double equal leaves & overpanel) /  
F (double unequal leaves & overpanel) / G (single leaf & glazed fan light) /  
H (double equal leaves & glazed fan light) /  
I (double unequal leaves & glazed fan light) / J (single leaf & sidelight(s)) /  
K (double equal leaves & sidelight(s)) / L (double unequal & sidelight(s)).

#### DOOR LEAF CORE

Three layer wood particleboard high performance door core conforming to BS EN 312-2 (type p2)

Composition L softwood (Spruce, Pine, Larch) with hardwood (Birch, Chestnut) and sawmill Residue / recycled wood fibre.

Average bulk density 540-630kgs / m<sup>3</sup>

Weight 44mm; Nom 27kgs / m<sup>2</sup>

#### LIPPINGS

Concealed / exposed near match timber hardwood lipping to all four edges before / after applying face finish.

Minimum standard finished 8mm square with 2mm aris / radius for double action /

Standard 12 x 12mm rebate from 18mm lipping.

For HPL & PVC face finish: Laminate or 2mm PVC / Abs edge applied to timber lipping.

#### DOOR LEAF FACE FINISH

Wood veneer

Specie ....., ref....., To match approved sample ref.....

Veneer cut: Crown cut / Quarter cut / Rift cut / Other

Veneer layon matching: Book match / Random match / Slip match / quarter match / other

Veneer grain direction: Vertical / Horizontal / other

Sequential match of veneer feature of adjacent doors, ref..... Floor plan drawing.

High Pressure Laminate (HPL)

Laminate to conform to EN 438 & ISO 4586 Laminate manufacturer, ref ....., colour

High impact PVC  
Manufacturer, ref....., colour

### **FINISH AS DELIVERED**

Wood veneer: Two coats high solid ultra violet (uv) cured lacquer, clear,  
30% gloss / other.

Stained.....colour and finished with two coats high solid u/v clear lacquer, 30% gloss.  
Limed wash and finished with one coat high solid u/v clear lacquer, 30% gloss.

Timber Lipping: Unfinished for finishing by others / Two coats of high-solid acid-catalyst  
lacquer.

For finishing by others:

Forza primed coat (FPC) for painting by others.

### **GLAZING**

Size and position of aperture(s): standard configuration (V1, V2, V3, V4, V5, V6, V7) / Vx  
other drawing ref.....

Bead profile: Cloak (hockey stick) / Flush (quirk).

Glass: Clear fire glass / wired fire glass.

### **DOOR FRAME**

Timber hardwood / softwood / MDF to comply with performance and appearance required

Profile: integral stop / loose stop / rebated / shadow gap. See drawing ref.....

Consult Forza for suitable materials, profiles and dimensions to meet requirements.

Steel frame by others: material 1.5mm thick rolled mild steel or stainless steel,  
Grade 304 or 316, minimum face width excluding stop 28mm (single acting), minimum  
Face depth 100mm, minimum stop depth 12mm.

Aluminium frame by others: material 2mm thick aluminium, minimum grade 6063-T6,  
Minimum face width excluding stop 30mm (single acting), minimum frame depth 85mm,  
Minimum stop depth 12mm.

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

To compliment veneered door(s)

Two coats of high-solid acid catalyst lacquer, clear / tinted , 20% gloss / other  
Stained.....colour and finished with two coats high-solid acid-catalysed lacquer.

For finishing by others:

Primed one / two coats for paint finishing by others.

### **IRONMONGERY PREPARATION**

Refer to door / ironmongery schedule

Doors to be factory pre-machined for locks, hinges and other ironmongery as per  
drawing ref.....

### **PERIMETER SEALS**

Factory fitted to leaf(s) / frame, pvc cased intumescent / smoke / acoustic seals  
to manufacturers choice to meet fire & smoke control and sound insulation as specified in  
applicable test report or assessment. (Combined seals permitted).

Intumescent size: for timber and aluminium frame 1 no. 20 x 4mm,  
for steel frame 1no.20 x 6mm.

Intumescent position: central and exposed leaf / frame, Central and concealed leaf

## **FIRE RESISTANCE RATING**

FD30: 30 minutes to BS 476: Part 22: 1987

FD30S: 30 minutes to BS 476: Part 22: 1987 & cold smoke control to BS 476 Part 31.1.

## **SOUND INSULATION**

Not Required / Required

Weighted Sound Reduction Index (Rw) 32dB / 33dB / 35dB / other

Rating according to BS EN ISO 717-1: 1997 from tests and measurements conducted

In accordance with BS EN ISO 140-3: 1995.

## **MECHANICAL PERFORMANCE**

Mechanical test to DD171: 1987 clauses 4.3, 4.4, 4.9, 4.10, 4.11. Severe Duty.

Mechanical test to BS EN 1192 (EN947, EN948, EN949, EN950). Severe Duty (class 4).

Cycling tests to BS EN 1191 (classification to EN 12400). Heavy Duty (Class 7)

## **MOISTURE CONTENT ON DELIVERY**

Comply with BS EN 942: 2007 service climate 12-21°C / above 21°C (door 8+/- 2 %) 12

## **SITE CONDITIONS**

Conditions for storage, handling, stacking and covering 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 door(s) and timber frame(s) in accordance with manufacturer's Installation guide and BS 8214: 2008 (Code of practice for fire door assemblies).

## **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

FSPEC03CW SPECIFICATION FORZA FIRST FD90(S) MINERAL CORE FLUSH DOOR ASSEMBLY

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

FSPEC04CW SPECIFICATION FORZA FIRST FD120(S) MINERAL CORE INTERNAL FLUSHDOOR 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