

FORZA DOORS

(FSPEC03) Specification Forza First FD90(S) Timber Internal Flush Doors

MANUFACTURER

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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). Transomed overpanel
In timber frames only.

DOOR LEAF CORE

FCH90 Three layer wood particleboard with a combination of chemical and engineering.
Development to produce a high performance door core.
Average bulk density 630kgs/m³ Weight 64mm; Nom 41kgs/m².

LIPPINGS

Concealed / exposed near match timber hardwood lipping (640kg/m³) to two vertical edges only before / after applying face finish. Standard 4mm finished square.
For HPL & PVC face finish: 3mm PVC / Abs edge applied to all four edges. Single leaf only.

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

Timber Bead profile/Glass: Cloak (hockey stick) / 23mm Pyroguard see drawing ref.FZD0481.
Size and position of aperture(s): standard configuration (V1,V2,V4,V5,V6,V7,V8 – see drawing ref.FZD0467)

Steel Bead profile/Glass: Cloak/ 6mm Pyran S see drawing ref.FZD0481.
Size and position of aperture(s): standard configuration (V1,V2,V4,V5,V6 – see drawing ref.FZD0468)

DOOR FRAME

Timber hardwood 640kg/m³. Min dim 90mm x 44mm to comply with performance and appearance Required.

Profile: integral stop applied stop. Min dim 25mm x 18mm. see drawing ref.FZD0478

Steel frame by others: material 1.5mm thick rolled mild steel or stainless steel, back filled with mortar or concrete only.

Grade 304 or 316, minimum face width excluding stop 40mm (single acting), minimum Face depth 100mm, minimum stop depth 13mm. See drawing ref.FZD0474

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

R90 lift-off hinge .ref HIN-BSS-106/7 (brushed stainless steel)

R90 Lite butt hinge .ref HIN-BSS-105 (brushed stainless steel)

R90 overhead power closer. ref CLR-BSS-102 / Mortise lock / latch R90 BOM-LCK -102 / roller catch R90 LCK-RCN-100

Doors to be factory pre-machined for locks, hinges and other ironmongery

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 frame head & jambs 1no. 25 x 6mm, (8mm in from open face of frame), leaf head & vertical edges 1no. 15 x 6mm (40mm in from open face of frame) bottom edge of leaf 1no. 50 x 2mm (central).

Meeting stiles square 1no. 15 x 6mm (40mm in from open face of active leaf)

1no. 25 x 6mm (8mm in from open face of inactive leaf)

For steel frame 1no. 60 x 1 mm in frame reveal head and stiles (centrally in frame) bottom of leaf 1no 50 x 1mm double leaves.

Fitted meeting stile as per timber frame.

FIRE RESISTANCE RATING

FD90: 90 minutes to BS 476: Part 22:1987

FD90S: 90 minutes to BS 476: Part22:1987 & cold smoke control to BS 476 Part31.1

SOUND INSULATION

Not Required / Required

Weighted Sound Reduction Index (Rw) 35dBw single leaf unglazed

Weighted Sound Reduction Index (Rw) 36dBw single leaf glazed

Weighted Sound Reduction Index (Rw) 33dBw double leaves unglazed

Weighted Sound Reduction Index (Rw) 35dBw double leaves glazed

Rating according to EN 717-1 from tests and measurements conducted

In accordance with BS EN ISO 10140-2:2010.

MECHANICAL PERFORMANCE

Operational & Durability test to DD171, EN 1191, EN 1192, EN 947, EN 949 & EN 950

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 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