

FORZA DOORS

(FSPEC03CW) SPECIFICATION FORZA FIRST FD90(S) MINERAL CORE 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). Overpanel (Transomed) in Composite frame only.

DOOR LEAF CORE

Rail & stile composite mineral core 51mm thick (average density 240kg/m³) faced with 2 layers 4mm MDF (minimum density 640kg/m³) overall thickness 59mm, weight 59mm; Nom 20kgs/m²

LIPPINGS

Concealed / exposed near match timber hardwood lipping (640kg/m³) to all four edges before / after applying face finish. Standard 3mm finished square.

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

Steel Bead profile/glass: cloak / 5mm Firelite.

Size and position of aperture(s): standard configuration (V11, V12, V14, V16)

DOOR FRAME

Timber hardwood 650kg/m³. Min dim 90mm x 38mm to comply with performance and appearance required

Profile: integral stop / applied stop. Min dim 30mm x 12mm. see drawing ref.FZD0479

Composite mineral core /2mm lipping's and 2mm face veneers. Min dim 104mm X 47mm

Profile: applied stop. Min Dim 44mm x12mm see drawing ref. FZD0476

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

Essential ironmongery specification of hinges, mortise latch/lock and door closer Refer to Forza guidance on installation of FD90 hardware.

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 & stile 1 no. 20 x 4mm, (7mm in from pull face of frame reveal) & 1 no. 25 x 4mm (33mm in from pull face of frame reveal) bottom edge of leaf 1 no 47 x 1mm Forza flex seal (central)

Leaf meeting stiles square 1 no.20 x 4mm fitted in each leaf, with one set 5mm from pull face and the other 5mm from the push face

For composite frame head & stile 1 no.20 x 4 mm (7mm from pull face of frame reveal)

& 1 no. 25 x 4mm (33mm from pull face of frame reveal) bottom edge of leaf 1 no 47 x 1mm Forza flex seal (central) leaf meeting stile as per timber frame

FIRE RESISTANCE RATING

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

FD90S: 90 minutes to BS 476: Part 22:1987 & cold smoke control to BS 476 Part 31.1.

SOUND INSULATION

Not Required / Required

MECHANICAL PERFORMANCE

Modulus of rupture (ASTM c 133)psi. Min 900

Compressive Strength (ASTM c 109-93)psi Min 1586

MOISTURE CONTENT ON DELIVERY

Comply with BS EN 942 :2007 service climate 12-21°C. (door <6)

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/composite 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