

## 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 1000kg/m<sup>3</sup>) faced with 2 layers 4mm MDF (minimum density 750kg/m<sup>3</sup>) overall thickness 59mm, weight 59mm; Nom 20kgs/m<sup>2</sup>

### LIPPINGS

Concealed near match timber hardwood lipping (640kg/m<sup>3</sup>) to all four edges only before / after applying face finish. Standard 4mm 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 see drawing ref.FZD0481.

Size and position of aperture(s): standard configuration (W11, W12, W14, W16 – see drawing ref. FZD0469).

Timber Bead profile/Glass: Cloak (Saddle Bead) /10mm Pyrodur see drawing ref.FZD0481.

Size and position of aperture(s): standard configuration (W1,W2,W3,W4,W5,W6,W8,W9 – see drawing ref. FZD0814).

## **DOOR FRAME**

Timber hardwood 640kg/m<sup>3</sup>.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 /4mm lipping's and 2mm face veneers. Min dim 94mm X 47mm.

Profile: applied stop. Min Dim 30mm 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 1no. 20 x 4mm, (7mm in from pull face of frame reveal ) & 1no. 25 x 4mm (33mm in from pull face of frame reveal) bottom edge of leaf 1no. 50 x 2mm Forza intumescent seal (central).

Leaf meeting stiles square 1no. 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 1no. 20 x 4mm (7mm from pull face of frame reveal)

& 1no. 25 x 4mm (33mm from pull face of frame reveal) bottom edge of leaf 1no. 50 x 2mm Forza intumescent 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 composite 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