

FIRE RESISTANT STEEL DOORS (Single Swing)

We have successfully redesigned steel doors away from their original industrial roots to provide a highly cost-effective single solution to fire protection, security, durability and aesthetics. The doors, fitted in internal and external applications in a wide variety of wall constructions, are designed to protect personnel & property from the spread of flames & smoke. Our Doors offer substantial benefits over comparable timber doors in strength, durability & security.

The range has been tested to BS 476 Parts 20 & 22, BS EN 1634 and holds CERTIFIRE certification.

VERSIONS

- FD60:** Providing protection up to One Hour (60 minutes) latched or unlatched.
- FD120:** Providing protection up to Two Hours (120 minutes) latched or unlatched.
- FD240:** Providing protection up to Four Hours (240 minutes) latched or unlatched.
- Please contact the Sales Office for special configurations.

DOOR LEAF

Production Sizes: All fire resistant doors are custom made. The maximum size varies according to fire rating as shown below for Mild Steel and 316 or 304 Stainless Steel. #

		FD60	FD120	FD240
Single Doors Latched (Single Swing)	Maximum Width mm	1385	1385	1385
	Maximum Height mm	2860	2860	2860
	Maximum Area m ²	4.0	4.0	3.56
Single Doors Unlatched (Single Swing)	Maximum Width mm	1285	1285	1285
	Maximum Height mm	2500	2500	2500
	Maximum Area m ²	2.96	2.96	2.96
Double Doors (Single Swing) (Latched or Unlatched, Equal or Unequally split)	Maximum Width mm	2700	2700	2700
	Maximum Height mm	2860	2860	2860
	Maximum Area m ²	4.0	4.0	3.56

Thickness: 48mm.

Material: 1.0mm corrosion resistant Zintec/Aluzinc sheets as standard, with a wide variety of colours and finishes available.

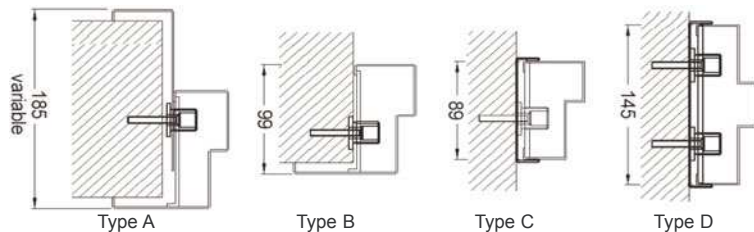
Infill: Self supporting resin-impregnated honeycomb core, with the option of mineral wool.

Construction: A non-welded construction from two skins of Zintec folded around a rigid core.
Stainless Steel FD240 Double doors must be fitted with Z and Astragal section to form a rebated meeting style,

DOOR FRAME

Construction: Folded from 1.6mm Zintec/Aluzinc.
Screw and tab construction with 4no. adjustable fixing feet per jamb, variable sub-frame supplied as standard to accommodate site tolerance of -0/+30mm.
The frame is fitted with 3no. Class 13 stainless steel hinges with 2no. security dog bolts.

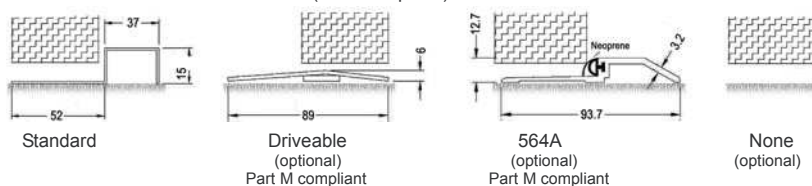
Profile:



THRESHOLD

Standard: 15mm rebated threshold.

Optional: 5mm driveable (DDA compliant).
12.5mm 564A Aluminium (DDA compliant).





FINISHES

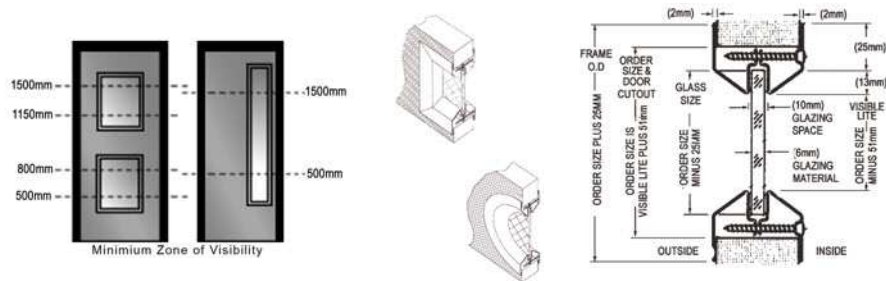
- Standard:** Pre-primed steel (approximating to BS10A05 Goosewing Grey) requiring site painting.
- Optional:** Polyester Powder Coating from standard colour range.
PVC laminate from standard range.
Woodgrain PVC laminate.
Stainless steel, brushed, polished or patterned.

WALL CONSTRUCTIONS

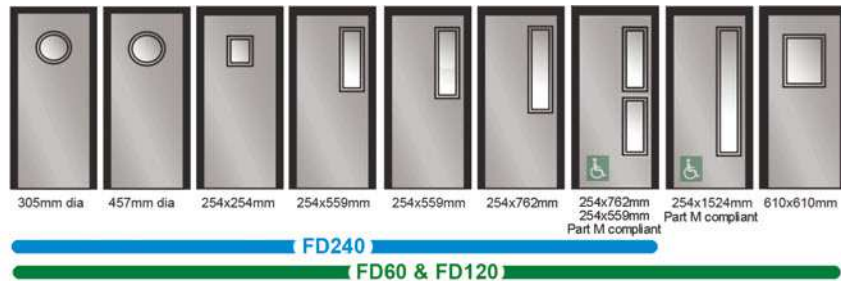
Construction Types: All our Fire Doors (FD60, FD120 & FD240) can be used in all forms of Masonry, Concrete and Flexible Stud Wall (cold wall style).
When using Timber or Steel Stud Walls the client must ensure they have adequate evidence that the wall can support steel fire doors under fire conditions.
120 & 240 rated Stud Wall constructions should have the walls' reveal face protected by a fire resting board to protect the wall construction.

VISION PANELS

Guidance Notes: To comply with Part M of the Building Regulations 2004, doors across circulation routes should have visibility glazing. (Vision panels less than 50% of the total door area are exempt from Part L of the Building Regulations.)



Options:



	FD60	FD120	FD240
Permitted Panel Sizes			
Maximum Width mm	610	610	235
Maximum Height mm	1854	1854	1631
Maximum Area m ²	0.4	0.4	0.35
Standard Glazings available			
	8mm Firelite Safety 6mm GWPP 6mm Pyran S 13mm Pyrodur	8mm Firelite Safety 6mm GWPP 6mm Pyran S	8mm Firelite Safety #

Exception : 254mm x 1524mm and 610mm x 610mm exceed maximum area for FD240 and cannot be used at that rating.

For other configurations and sizes please contact the Sales Office.

**UNIT 6 MAHERS YARD
THE BUSH
DUNSHAUGHLIN
CO MEATH
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