

Product Overview

MET fire doors are fabricated from cold-rolled mild steel, powder coated and filled with high-density pressed glass wool to slow the passage of fire, heat and smoke between compartments. Each door is supplied as a complete, ready-to-install set: frame, leaf, heavy-duty hinges, panic push bar and all fixings.

Doors are manufactured in two standard sizes and are also **made to customer order** in any size, swing, opening type or finish to suit the project.

32 mm

Leaf thickness

1.6 / 1.2 mm

Frame / leaf steel sheet

FD30

Minimum fire class



Applications

Emergency exits, staircases, electrical & generator rooms, plant rooms, warehouses, factories, hospitals, schools, hotels, shopping malls and commercial buildings.

TECHNICAL SPECIFICATIONS

Component	Specification
Door type	Single-leaf, hinged, insulated steel sandwich fire door
Door frame	1.6 mm (16 SWG) mild steel sheet, pressed / folded profile, with anchoring lugs for wall fixing
Door leaf	1.2 mm (18 SWG) cold-rolled mild steel sheet on both faces, powder coated
Leaf thickness	32 mm sandwich construction
Core insulation	High-density pressed glass wool, non-combustible, fully filling the leaf cavity
Hinges	Heavy-duty solid steel hinges, minimum 3 per leaf
Exit hardware	Panic push bar (push-to-open) for quick exit in emergencies
Surface finish	Electrostatic powder coating over pre-treated (degreased & phosphated) steel
Standard colours	Red ■ Grey ■
Supply	Complete in all respects: frame, leaf, hinges, push bar, fixings

STANDARD SIZES

Model	Width	Height	Leaf thickness
MET-FD30-1067	1067 mm	2134 mm	32 mm
MET-FD30-1219	1219 mm	2134 mm	32 mm

Custom *Any size made to order. Double-leaf doors also available on request.*
All dimensions in millimetres (mm). Sizes are nominal frame-opening sizes.

FIRE PERFORMANCE & APPLICABLE STANDARDS

All MET fire doors are designed and manufactured as per the requirements of the applicable standards listed below, to a minimum fire class of **FD30** (30 minutes).

Standard	Scope	Minimum class
BS 476 : Part 22	Fire resistance of non-loadbearing elements (UK)	FD30
BS EN 1634-1	Fire resistance tests for door assemblies (Europe)	E / EI 30
UL 10C / NFPA 252	Positive-pressure fire tests of door assemblies (USA)	30 min
NFPA 80	Installation & maintenance of fire doors	Reference
NFPA 101	Life Safety Code: egress and panic hardware	Reference
Building Code of Pakistan (Fire Safety Provisions)	Fire-rated doors for exits and compartments	Reference

Rating key: E = Integrity (stops flames & hot gases) I = Insulation (limits heat on the unexposed face) **FD30** = 30-minute fire door. Performance depends on correct installation in a suitable fire-resisting wall, as per NFPA 80.

KEY FEATURES

- Rigid, warp-resistant sandwich construction
- Glass wool core for thermal & acoustic insulation
- Panic push bar for fast, one-push exit
- Solid hinges built for heavy, frequent use
- Durable powder-coated finish, corrosion resistant
- Supplied complete, ready to install
- Custom sizes & configurations made to order

OPTIONAL ACCESSORIES

- Fire-rated vision panel (glass window)
- Hydraulic door closer
- Intumescent strips & smoke seals
- Double-leaf doors with coordinator
- Mortise lock / lever handle (outside access)
- Louvres, kick plates, signage
- Other RAL colours on request

HOW TO ORDER

Please specify the following when placing an enquiry or order:

1. Model or custom size (W × H in mm)
2. Single or double leaf
3. Hand of door (left / right swing)
4. Colour (Red / Grey / other)
5. Fire class (FD30 minimum)
6. Optional accessories and quantity



Mufaddal Engineering & Trading

Manufacturers of fire rated steel doors & fabricated steel products



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