

Product specification

M2M⁺²⁴

1. Scope

- Single outward opening doorsets
- Double outward opening doorsets
- Single inward opening doorsets
- Double inward opening doorsets

2. Sizing

All sizes shown are structural sizes in mm.

Variant	Min Height (mm)	Max Height (mm)	Min Width (mm)	Max Width (mm)
Single outward opening doorsets	1200	2500	600	1340
Double outward opening doorsets	1200	2500	1200	2650
Single inward opening doorsets	1200	2500	600	1340
Double inward opening doorsets	1200	2500	1200	2650

3. Locking Options

Single Door

- 2 point panic pushbar with optional external override
- Hooply Multi-point locking
- 2 Dorma Maglocks

Double Door

- 2 point panic pushbar on active leaf, bolted on passive side with optional external override
- Hooply Multi-point locking
- 2 Springbolts

4. Additional Options

- Vision panels (dimensions in mm: 203x762, 203x508, 203x356, 203x1067, 254x1219, 305x305, 457x457, 610x610)
- Bladed louvre cartridges (dimensions in mm: 305x1524, 457x1524, 457x914, 457x457, 610x610)
- Range of closers (ASSA DC200, Assa DC300, Dorma TS72, Dorma TS83)
- Letter plate meeting requirements of TS008:2015

5. Fire Rating

M2M⁺²⁴ doors are available with a fire rating of up to FD120, providing integrity for up to 120 minutes, certified by Exova under the CERTIFIRE scheme (certificate number CF5108) and by Efectis to CE/UKCA standards EN 16034 and BS EN 14351-1 (certificate numbers CE: 1812-CPR-1729; UKCA: 2822-UKCA-CPR-0019).

Note:

- Fire rating for single doors only
- Fire rating is achievable with multi-point locking only

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5. Additional test data

Variant	Air Permeability	Water Tightness	Wind Resistance
Single inward opening doorsets	150 Pa	-	800 Pa
Double inward opening doorsets	50 Pa	-	800 Pa
Single outward opening doorsets	300 Pa	50 Pa	800 Pa
Double outward opening doorsets	300 Pa	50 Pa	800 Pa

All of the above has been tested to 50,000 cycles

6. Sizing Options for Fire Rated

Variant	Width (mm)	Height (mm)
Minimal	600	1200
Maximal	1064	2346

The leaf are shall not exceed 2.26m²

6. Leaf Construction

Leaf Thickness	45mm
Leaf Material	Outerskins 1.2mm THK Zintec or stainless steel, or 1.5mm THK Zintec, stainless steel or Magnelis Protected by a minimum of 3no. dog bolts per leaf
Astragal	10mm steel astragal

7. Frame Construction

Frame profile	90mm deep (100mm option available)
Frame material	1.5mm THK Zintec, stainless steel, or Magnelis
Construction method	Butt jointed frame sections, as standard
Threshold	Steel or aluminium low profile sill
Infill	Honeycomb or Rockwool

8. Standard Details

Finish	Polyester powder coated, as standard Wood effect finish available at an extra cost
Weight	Circa 45kg/m ²