

Product specification

M2M⁺

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	1750	2950	300	1470
Double outward opening doorsets	1650	2950	1050	2830
Single inward opening doorsets	1775	2950	300	1470
Double inward opening doorsets	1650	2950	1050	2830

Note:

- Leaf and a half doorsets are available, with a minimum active leaf width of 800mm, and a minimum passive leaf width of 400mm.
- Side and/or over panels can be used in a modular fashion to secure larger openings.
- U-Value and Acoustic sizing restrictions apply

3. Locking Options

- Union deadlock
- Union sashlock
- Emergency escape sashlock
- 5 level deadlock
- MICO rimlock
- Union night latch
- Codelock series no. 525 with lever handle (pair)
- Borg keypad series no. 5401
- 4 point locking
- Trimec electric strike and union night latch
- 272kg magnetic locks
- Solenoid bolts

Panic Escape:

- Briton 1438E push pad with single point latch
- Briton 378E single point panic bar
- Briton 378E 2 point vertical bars
- Briton 376E and 378E 3 point panic bar
- CORNI single point locking panic latch
- CORNI 3 point locking panic latch
- CORNI 5 point panic hardware

Product specification

M2M⁺

4. Additional Options

- Vision panels (standard sizes in mm are 203x356, 203x762, 457x457)
- Punched and/or bladed louvre cartridges
- Range of stays and closers (Dorma TS72, Dorma TS83, Briton 2130, Geze TS4000)
- Fixed side panels
- Fixed/removable over panels
- Hinged over panel

5. Fire Rating

M2M⁺ doors are available with a fire rating of up to FD240, providing integrity fire resistance for up to 240 minutes, certified by Exova under the CERTIFIRE scheme (certificate number CF5108) and by Efectis to BS EN 1634-1 and EN 14351 (certificate numbers CE: 1812-CPR-1729; UKCA: 2822-UKCA-CPR-0019).

Note:

- *Doors fitted with hinged or removable over panels are not fire rated*
- *Hardware restrictions apply to fire rated doorsets*
- *Louvres must be fire rated, and will decrease the fire rating*

6. Acoustic Rating

Tested by Lorient to BS EN ISO 101402: 2010; certain M2M⁺ doors are available with acoustic ratings from Rw28 to Rw40, providing 28dB to 40dB of noise reduction, depending on specification. Sizing and threshold restrictions apply.

7. U-Value

Tested by Element to BS EN ISO 10077-1:2017; certain M2M⁺ doors are available with a U-Value of 1.6 W/m²K, depending on specification. Sizing and threshold restrictions apply.

8. 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 7no. dog bolts per leaf
Astragal	10mm steel astragal

9. Frame Construction

Frame profile	90mm deep (150mm option available)
Frame material	1.5mm THK Zintec, stainless steel, or Magnelis
Construction method	Butt jointed frame sections, as standard Fully welded frame available at an extra cost
Threshold	Steel or aluminium options available depending on specification No sill option available

Product specification

M2M⁺

10. Standard Details

Finish	Polyester powder coated, as standard Wood effect finish available at an extra cost
U'Value	1.6 - 1.9W/m ² K
Weight	Circa 45kg/m ²