

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 push bar with optional external override
- Hooply Multi-point locking
- 2 Dorma Maglocks

Double Door

- 2-point panic push bar on active leaf, with optional external override
- Hooply Multi-point locking
- 2 Springbolts on passive

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*

*Not available with 2 point panic pushbar

5. Fire Rating

M2M⁺²⁴ doors are available with an external fire rating of up to FD120, providing integrity for up to 120 minutes, certified 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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6. Additional test data

| Variant | Air Permeability | Water Tightness | Wind Resistance |
|----------|------------------|-----------------|-----------------|
| Maglocks | Class 1 | Class 0 | Class A2 |
| Hooply | Class 1 | Class 0 | Class A2 |
| Mico MSR | Class 2 | Class 2A | Class A2 |

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

7. Sizing Options for Fire Rated

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

The leaf area shall not exceed 2.26m²

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 3no. dog bolts per leaf |
| Astragal | 10mm steel astragal |

9. 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 | Aluminium DDA Threshold |
| Infill | Honeycomb or Rockwool |

10. Standard Details

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