

Product specification

M2M^{AC}

1. Scope

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

2. Acoustic Rating

Product	Description	Infill	Seal & Location	Single		Double	
				Rw	REF	Rw	REF
M2M ^{+AC}	Standard Door (Standard Seal)	Hexacomb	Standard P Seal Fitted as standard	28dB	AC1S 28	32dB	AC1D 32
M2M ^{+AC}	Standard Door	Hexacomb	Fire Rated 388S Tear Drop Seal Fitted to frame rebate on all 3 side of frame	35dB	AC2S 35	34dB	AC2D 34
M2M ^{+AC}	Insulated Doorset	Rockwool	Fire Rated 388S Tear Drop Seal Fitted to frame rebate on all 3 sides of frame	38dB	AC3S 38	35dB	AC3D 35
M2M ^{+AC}	Acoustic Specification	Rockwool & Plaster- board	Fire Rated 388S Tear Drop Seal Fitted to frame rebate on all 3 sides and behind both pry strips	40dB	AC4S 40	40dB	AC4D 40
M2M ^{+AC}	FD240 Fire Rated Door	Hexacomb	Fire Rated 388S Tear Drop Seal Fitted to frame rebate on all 3 sides of frame	35dB	AC5S 35	34dB	AC5D 34
M2M ^{2AC}	Standard Door (Enhanced Acoustic)	Rockwool & Plaster- board	Fire rated 388S Tear Drop Seal Fitted to frame rebate on all 3 sides of frame	42dB	AC7S 42	40dB	AC7D 40

Note: Leaf and a half doorsets are available, with a minimum passive leaf width of 450mm.

3. Locking Options

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- A wide range of general purpose and panic escape locking options are available
- Please see the M2M+ specification for a list of standard locking options

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- MICO Elite panic escape, manual, automatic, or electromechanical deadlocking single point locking
- MICO 942 2/3 point locking systems
- External access via MICO USCH cylinder guard with Scandinavian oval cylinders, as standard
- Available also to suit round or rim cylinders
- Padlockable hasp and staple access device
- Passive leaf fitted with heavy duty tower bolts, as standard
- Tower bolts extended to a reachable height on larger doorsets

4. Additional Options

- Range of stays and closers

5. Security Rating

M2M^{2AC} doors are LPCB certified to LPS 1175: Issue 7 Security Rating 2 (certificate number 312f).

6. Fire Rating

Certain M2M^{AC} doors are available with a fire rating of FD240, providing integrity fire resistance for 240 minutes, certified by Exova under the CERTIFIRE scheme (certificate number CF5108).

7. Leaf construction

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Leaf Thickness	45mm
Leaf Material	Outerskins 1.2mm THK Zintec, Stainless steel, or Magnelis Protected by 7no. dog bolts per leaf
Astragal	10mm steel astragal

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Leaf Thickness	66mm
Leaf Material	Outerskins 1.5mm THK Zintec, stainless steel, or Magnelis Internal plating to suit locking requirement Armoured steel, where required
Hinges	6no. hinges per leaf Choice of 100mm lift off hinges or grade 13 butt hinges Protected by 9no. hooked dog bolts per leaf
Astragal	10mm steel astragal

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8. Frame Construction

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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	Bradbury aluminium 13mm DDA threshold
Infill	Rockwool

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Frame Profile	110mm deep
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
Reinforcing	3mm chassis system (no adjusters)
Threshold	Bradbury aluminium 13mm DDA threshold
Infill	Rockwool

9. Standard Details

Finish	Polyester powder coated, as standard Wood effect finish available at an extra cost
U'value	No data available
Weight	Circa 45-60kg/m ²