

## 1. Scope

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

## 2. Acoustic Rating

Product	Description	Infill	Seal & Location	Single		Double	
				Rw	REF	Rw	REF
M2M <sup>AC</sup>	Standard Door (Standard Seal)	Hexacomb	Standard P Seal Fitted as standard	28dB	AC1S 28	32dB	AC1D 32
M2M <sup>AC</sup>	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 <sup>AC</sup>	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 <sup>AC</sup>	Acoustic Specification	Rockwool & Plasterboard	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 <sup>AC</sup>	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 <sup>2AC</sup>	Standard Door (Enhanced Acoustic)	Rockwool & Plasterboard	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

### M2M<sup>AC</sup>:

- MICO Elite panic escape, manual, automatic, or electromechanical deadlocking single point locking
- MICO BSR 2/3 point locking systems

### M2M<sup>2AC</sup>:

- 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<sup>2AC</sup> doors are LPCB certified to LPS 1175: Issue 7 Security Rating 2 (certificate number 312f).

## 6. Fire Rating

Certain M2M<sup>AC</sup> 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

### M2M<sup>AC</sup>:

- 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

### M2M<sup>2AC</sup>:

- 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

## 8. Frame Construction

### M2M<sup>2AC</sup>:

- 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

### M2M<sup>AC</sup>:

- 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<sup>2</sup>