



M2M⁴ M2M⁴FD M2M⁴SUB



M2M⁴



M2M⁴ doorsets certified by the Loss Prevention Certification Board (LPCB) to LPS 1175 (Issue 7) Security Rating 4.

Note: Security rating can be affected by doorset sizing and configurations.

Specification



revA



DOCUMENT ISSUE : revA
 DATE : 02/11/2016
 AUTHOR : PWS

This document describes all **M2M⁴** options which can currently be offered with full certification.

1) Certified Scope

- a. Single outward opening doorsets
- b. Double outward opening doorsets
- c. Single outward opening doorsets with fixed side and/or over panels
- d. Double outward opening doorsets with fixed side and/or over panels
- e. Single inward opening doorsets

2) Certified Sizing

(All sizes shown are structural sizes)

Variant	Min Height	Max Height	Min Width	Max Width
Single outward opening doorsets	1000	2930	600	1430
Double outward opening doorsets	1000	2930	900	2600
Single inward opening doorsets	1000	2930	600	1430

Note:

- Double doorsets are available with unequal splits. Minimum passive leaf width 450mm.
- Greater structural opening can be achieved with the use of fixed panels.

3) Locking Options

Single Point Locking – Mico Abryll

- a. Full range of Panic, Manual, Automatic and Electromechanical deadlocking options
- b. External access via Mico USCH cylinder guard with Scan oval cylinders as standard
- c. Available also to suit round or rim cylinders
- d. Passive leaf fitted with heavy duty tower bolts as standard. Tower bolts extended on larger doorsets to reachable height
- e. Double panic bar variant also available (panic bars to both leaves)

4) Additional Options

- a. Vision panels² (standard sizes 203 x 356, 203 x 762, or 457 x 457)
- b. Bladed louvre cartridges²
- c. Range of stays and closers. TS83 and Z108 as standard
- d. Fixed side and removable panels³

5) Fire Rating⁴

All options are available with up to 240 minute fire-rating, certified under Exova Certifire scheme (certificate number CF5107). The following exceptions apply:

- a. 2-point systems are not covered for use on the passive leaf
- b. Vision panels reduce the fire rating to 60 minutes
- c. Doors with louvres

6) Leaf Construction

- | | | |
|-------------------|---|--|
| a. Leaf thickness | - | 66mm |
| b. Leaf material | - | Outerskins 1.5mm Zintec |
| c. Reinforcing | - | Internal plating to suit locking requirement |
| | - | Armoured steel where required |
| d. Hinges | - | 6no. 126mm lift off hinges per leaf |
| | - | Protected by 9no. hooked dog bolts per leaf |
| e. Astragal | - | 10mm steel astragal |
| f. Lifting points | - | M10 lifting point per leaf |

7) Frame Construction

- | | | |
|------------------------|---|--|
| a. Frame profile | - | 110mm deep |
| b. Frame material | - | 2.0mm Zintec |
| c. Construction method | - | Butt jointed frame sections as standard |
| | - | Fully welded frame available at extra cost |
| d. Reinforcing | - | 3mm chassis system (no adjusters) |
| e. Threshold | - | Steel or aluminium options available |
| | - | (must have threshold) |



Frame profile

8) Standard Details

- | | | |
|------------------------|---|--|
| a. Finish | - | Polyester powder coated |
| | - | Range of colours and finishes available to suit client specification |
| | - | ExtraLife system also available, offering up to 10 years' anti-rust warranty |
| b. U'value | - | No data available |
| c. Weight ⁵ | - | circa 75kg/m ² |

² Availability and positions of vision panels and louvres will be restricted by locking choice.

³ Side and over panels are successfully tested but not yet covered by full certification.

⁴ Fire rated doors must be fitted with Certifire approved door closers to each leaf (e.g. Dorma TS83).

⁵ Weight figure should be used as an indicative value only; choice of hardware (e.g. vision panels) can adjust the weight considerably.