



M2M+

Specification



# M2M+

M2M+FD M2M+SUB



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## 1) Scope

- a. Single outward opening doorsets
- b. Double outward opening doorsets
- c. Single inward opening doorsets
- d. Double inward opening doorsets

## 2) 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	2430	600	1430
Double inward opening doorsets	1000	2430	900	2600

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

General Purpose

- a. Union deadlock
- b. Union Sashlock
- c. Emergency escape Sashlock
- d. 5 level deadlock
- e. Yale 82 rimlock
- f. Union night latch
- g. Codelock series no. 525 with level handle (pair)
- h. Borg keypad series no. 5401
- i. 14 point locking
- j. Trimec electric strike and union night latch
- k. 272kg magnetic locks
- l. Solenoid bolts

## Panic Escape

- a. Briton 1438E push pad with single point latch
- b. Briton 378E single point panic bar
- c. Briton 378E 2 point vertical bars
- d. Briton 376E and 378E 3 point panic bar
- e. CORNI single point locking panic latch
- f. CORNI 3 point locking panic latch
- g. CORNI 5 point panic hardware

All panic escape options available with external override.

## 4) Additional Options

- a. Vision panels<sup>2</sup> (standard sizes 203 x 356, 203 x 762, 457 x 457)
- b. Punched and/or bladed louvre cartridges<sup>2</sup>
- c. Range of stays and closers (Dorma TS72, Dorma TS83, Briton 2130, Geze TS4000)
- d. Fixed side panels<sup>3</sup>
- e. Fixed and/or removable overpanels<sup>2</sup>

## 5) Fire Rating<sup>4</sup>

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

- a. Doors fitted with removable overpanels
- b. Vision panels reduce the fire rating to 60 minutes
- c. Doors with louvres

## 6) Acoustic Rating

Tested by Lorient to BS EN ISO 101402: 2010, options are available with RW ratings ranging from 28db to 40db, depending on specification.

## 7) Leaf Construction

- |                   |   |                                                   |
|-------------------|---|---------------------------------------------------|
| a. Leaf thickness | - | 45mm                                              |
| b. Leaf material  | - | Outerskins 1.2mm Zintec                           |
|                   | - | Protected by a minimum of 7no. dog bolts per leaf |
| c. Astragal       | - | 10mm steel astragal                               |

<sup>2</sup> Availability and positions of vision panels and louvres will be restricted by locking choice.

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

## 8) Frame Construction

- a. Frame profile - 90mm deep (150mm option available)
- b. Frame material - 1.6mm Zintec
- c. Construction method - Butt jointed frame sections as standard  
- Fully welded frame available at extra cost
- d. Threshold - Steel or aluminium options available

## 9) 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 year anti-rust warranty
- b. U'value - No data available
- c. Weight<sup>5</sup> - circa 45kg/m<sup>2</sup>

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