

Fitting Instructions For M2M+ and M2M1 doors with Adjusters

EQUIPMENT / TOOLS REQUIRED

- Masonry drill and drills to suit fixings. (Following the minimum fixing standards)
- Pencil or marker pen
- Spirit level
- Steel tape
- Fixings to comply with the minimum fixing standards
- Tools to install fixings, i.e. cordless/corded drills
- Mastic or similar filler

PRE-INSTALLATION CHECKS

- Double check the opening to see if the door frame supplied will fit into the opening
- Area to be cleared of all obstructions
- Open package and check contents against the delivery note
- Check that it is safe to drill around the opening (Electrical cables, gas pipes, etc)

MINIMUM FIXING STANDARDS

For M2M+ to be certified to LPS 1175 Security Rating 1 the following standard must be applied. The installation must be directly into substrate and not via an intermediate, such as plasterboard. The perimeter of the door should be made good using mastic or similar.

Into Wood:

Use No. 14 x 50mm hardened steel wood screws (or longer). Must have a minimum of 6 fixings on both frame sides.

Into Block, Bricks and Concrete:

Hilti type fixings 10 x 80/30mm. Must have a minimum of 6 fixings on both frame sides. M8 x 75mm type Hex flange head triple thread anchorbolt, or equivalent. Must have a minimum of 6 fixings on both frame sides.

Into Steel:

M8 machine screws drilled and tapped to frame work. Use M8 x 30mm fixings. Must have a minimum of 6 fixings on both frame sides.

Use No. 14 x 50mm (or similar) self tapping screws. Must have a minimum of 6 fixings on both frame sides.

MAINTENANCE / OPERATION INSTRUCTIONS

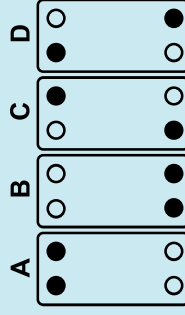
M2M doors require little maintenance. However, the following is recommended to preserve the appearance and smooth operation:-

- All hardware and surfaces to be cleaned on a regular basis by simply wiping with a damp cloth using mild detergents and dusting down with a soft clean cloth.
- The hinges and lock(s) can be lubricated for a smooth operation of the door.
- Do not lean any heavy objects against the door as this can affect the long term functionality of the door.

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There are 12 adjusters supplied per door (additional can be purchased if required) and 24 positions (12 on each side) into which adjusters can be secured.

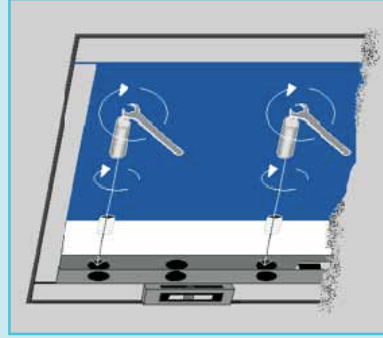
The adjusters must be arranged using one or more of the following patterns:-



Once the adjusters are installed, open and close the door leaf to test in the frame.



Before the door is shut check that the lock and strike plate are in line.



1a) Insert the door and frame into the opening and place the spirit level parallel to the frame.

b) Once the frame is sitting in the opening and is perfectly square, start screwing the adjusters through the tapped holes, so that the frame is secure with the opening. Make sure the top adjusters are fastened first, then the bottom adjusters and finally the middle adjusters. Care must be taken not to distort the frame.

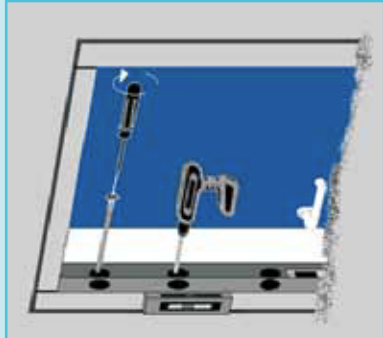


A Hex Tool is supplied to tighten adjusters.

It is important that the **TOP ADJUSTERS**

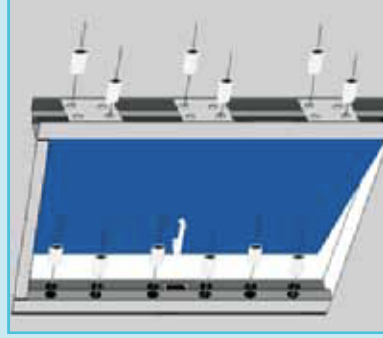
ARE FITTED FIRST as this will give a firm hold between the frame and the wall. Take care not to distort the frame, especially in the middle, by over tightening the adjusters.

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Once the adjustments are complete, drill and insert fixings down both vertical posts. (Insert fixings to top frame only if required). Double check door alignment with spirit level and then tighten fixings.

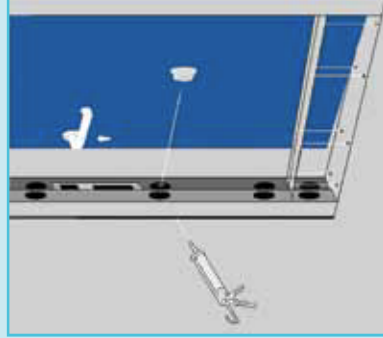
Test the door hardware and adjust the door closer (if present) to the requirements of its instruction booklet, which will be provided.



Once the adjusters are installed, open and close the door leaf to test in the frame.



Before the door is shut check that the lock and strike plate are in line.



To fit the bottom aluminium sill (where applicable), drill and fit to the floor.

Seal around door frame and bottom sill (inside and out) as required.

Fit bungs in frames.

Re-check operation of door. Demonstrate door operation to customer and get the door signed off to customer satisfaction.