Fitting Instructions For M2M+ and M2M1 doors without Adjusters – Single Doors

SURVEYING

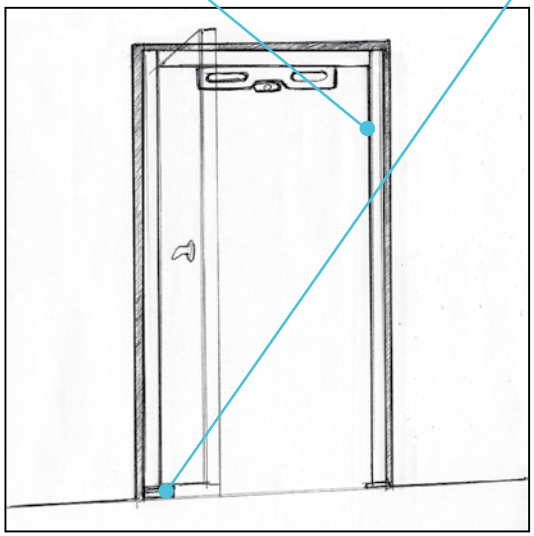
Accurate surveying is important for correct installation. Please take good measurements and supply accurate widths and heights for each door to the nearest millimetre.

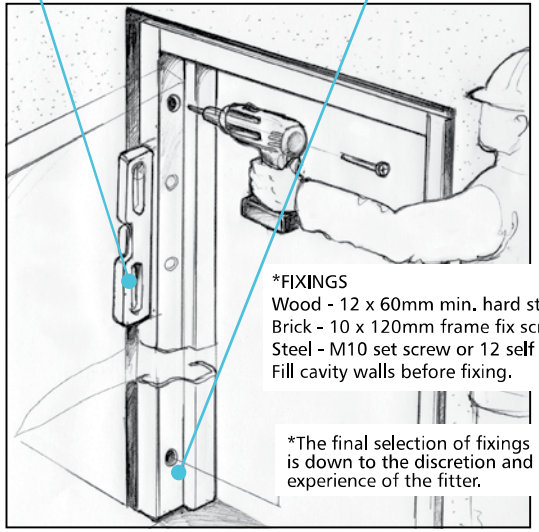
Most steel door manufacturers will make the outside dimensions of the frame 10mm smaller on the width and 5mm smaller on the height. Bradbury follow the same principle so that there is a 5mm tolerance gap on both sides of the frame and above the frame on the height.

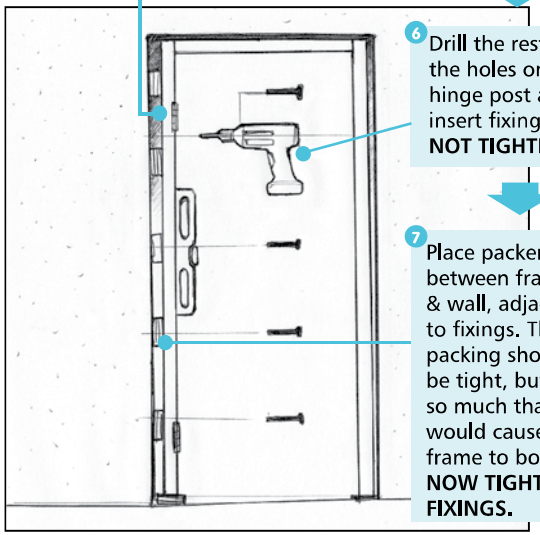
Where the opening is not square, it is the installer's responsibility to make the opening square.

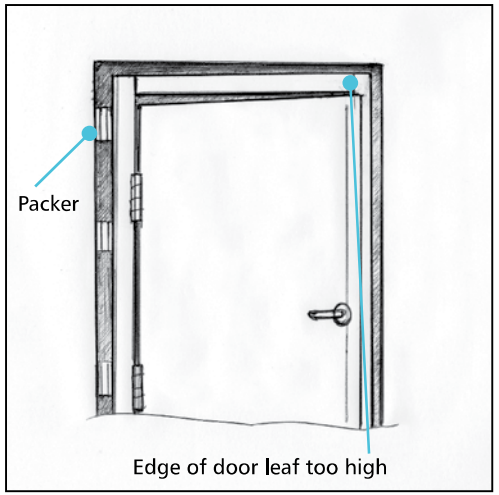
Decide where the door is to be installed. Be aware of any obstructions that will interfere with the opening such as skirting boards, door handles, wall fixings etc. Make sure the structure to which the door will be fitted is strong and solid.

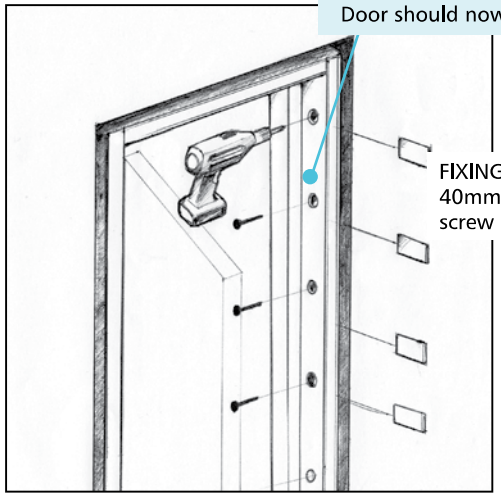
1. Insert door & frame into opening & open 90°.
2. Using packers and a spirit level, raise the lowest side of the frame to level.
3. Level up front face of hinge post, ensuring the top of the frame does not lean in or out of reveal opening.
4. Drill and insert fixings into top & bottom fixing holes. **DO NOT TIGHTEN.**
5. Position frame centrally in opening, with hinge post vertical. Place packers close to both fixings - **TIGHTEN FIXINGS.**
6. Drill the rest of the holes on the hinge post and insert fixings. **DO NOT TIGHTEN.**
7. Place packers between frame & wall, adjacent to fixings. The packing should be tight, but not so much that it would cause the frame to bow. **NOW TIGHTEN FIXINGS.**
8. Close door leaf to test it in frame. If the leading edge of the door leaf is too high, add packing towards the top edge of the hinge post. If low, reduce packing towards top edge of hinge post.
9. Once adjustments are complete, drill & insert fixings into lock post, **BUT DO NOT TIGHTEN.**
10. Insert packers between frame & wall adjacent to each fixing.
    Tighten fixing.
    Do not over pack between frame & wall.
    Door should now open & close easily.
11. **TEST DOOR HARDWARE**
12. Fit aluminium bottom sill (where applicable). Level up with shims so it is parallel with bottom of door leaf. Drill and fit to floor. Mastic seal around door and bottom seal (inside & out). Plug fixings holes in frame with bungs.

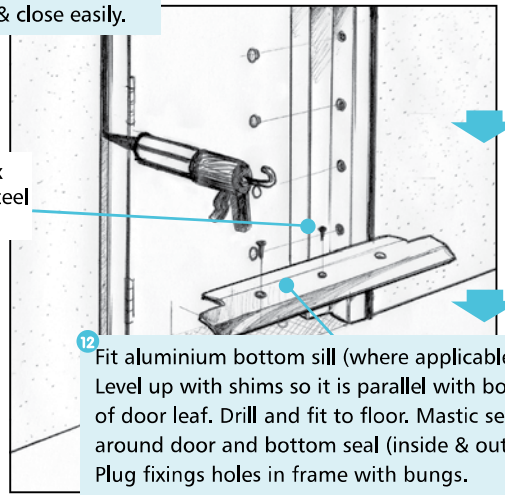












ADDITIONAL REQUIREMENTS FOR FITTING FIRE RATED DOORS

- All fixings and hardware must be steel (no plastic)
- Fixings to the main structural surround should comprise of steel screws of sufficient length to penetrate the main structure by a minimum of 30mm, although 120mm is recommended. (Plastic rawl plugs are not acceptable)
- Steel screws to be inserted at a maximum of 500mm centres
- Fixing holes may be covered using steel or plastic plugs
- Any packers / shims used during installation must be made from steel
- Gaps between the opening and frame should be less than 5mm and sealed with an appropriate acrylic mastic / calk. Any gaps larger than this must be filled with steel

Double Doors

- An overlap of 18mm covering the passive door leaf (anti-pry strip) is required
- The passive door must be fixed top and bottom and the active leaf have a centre latch as minimum

Glazing

- Glazing cannot be any closer than 200mm from the edge of the door
- 0.17m² maximum area of glazing per leaf