

Door Installation Guide

A close-up photograph of a dark wood-grain door. A silver handle is mounted on the door, and a set of keys hangs from the lock. The background is a solid teal color that transitions from the bottom right corner of the image.

entrance

COMPOSITE DOOR SOLUTIONS

Installation Guide

Thank you for choosing a door from
Entrance® Composite Door Solutions.

To ensure the longevity of the doorset and to assist in fitting
you will find inside some useful fitting guidelines.



Pre-Installation checks

Prior to commencing any door installation, the door size, door type, and condition of all doorsets should first be checked against your order confirmation document, the job survey sizes and the actual aperture sizes.

NOTE: Composite Doorsets must be stored in a dry location prior to installation, prolonged moisture exposure may invalidate Entrance CDS product guarantee.

Preparation:

Ensure the door opening/brickwork is ready to be installed into by removing any mortar, expanding foam or silicone sealants that may hinder easy placement of the new doorset.

It is vital to install outerframes plum and square within the aperture without twist, racking or distortion, repeatedly check alignment during installation.



Installation

Steps 1 & 2

Installation step 1:

Place two 5mm packers on top of the brickwork at the bottom opening where the new door will sit, this will allow for any adjustments to the top and bottom inside airgaps to be made by adding or removing packers underneath the door threshold. Now place the new door set in the dwelling on top of these packers.

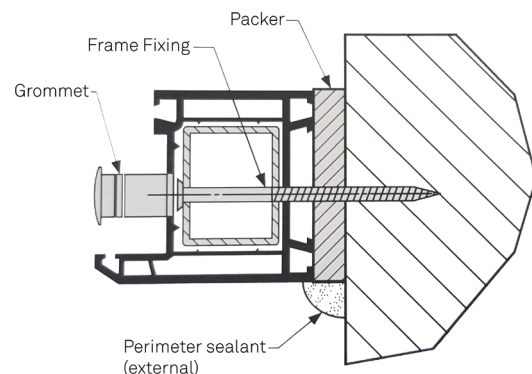
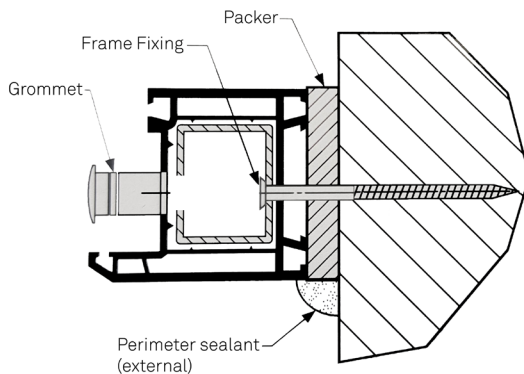
Installation step 2:

Fixing the hinge side first and ensuring all fixings are secured into brickwork (avoiding screwing into mortar lines), pack the frame away from the brick using frame packers and ensure an equal gap all the way around the door set. A minimum of 5 fixings of at least 100mm in length should be used down the hinge side of the frame and should be local to the door sets hinge positions. Take a spirit level to the hinge side and ensure the frame is vertically level. Fixings should be positioned a max. of 200mm from the corners of the frames, with max. 500mm centres between the fixings.

A small amount of mastic should be used on the shank of fixings to stop water ingress.

Mechanical fixing (rather than foam) is always recommended. An expansion gap of 5-10mm should be left at the head of the frame.

Appropriate positioning of frame fixings



Installation

Step 3

Now, ensuring a nominal 4mm airgap is present at the top of the frame by following Installation step 1, it is now time to fix the lock side. Maintaining a 4mm airgap ensures full engagement of the locking system.

First, fix the bottom of the frame local to the bottom hook keep. Again, pack behind the frame local to the frame fixing making sure a 4mm airgap is achieved.

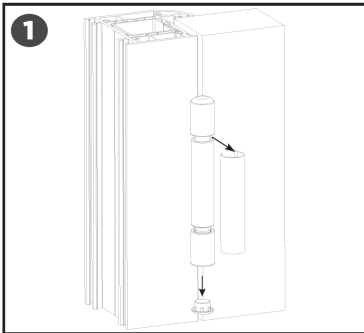
Now, lining up the outer face of the door edge with the inside edge of the frame and ensuring the top of the door is in winde (parallel), apply the top frame fixing, once again maintaining a nominal 4mm airgap.

All lock side frame fixings can now be applied making sure the frame is parallel and packed accordingly.

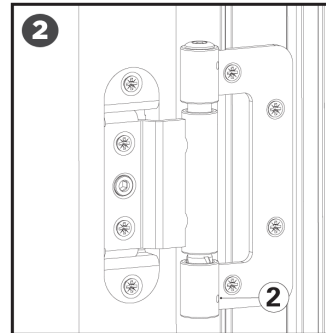


Installation

Hinge Adjustment



1. Remove the lower cap and cover cap as shown



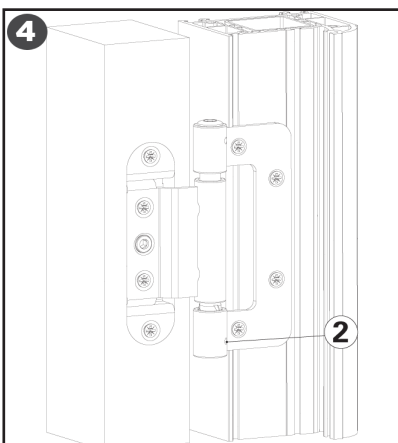
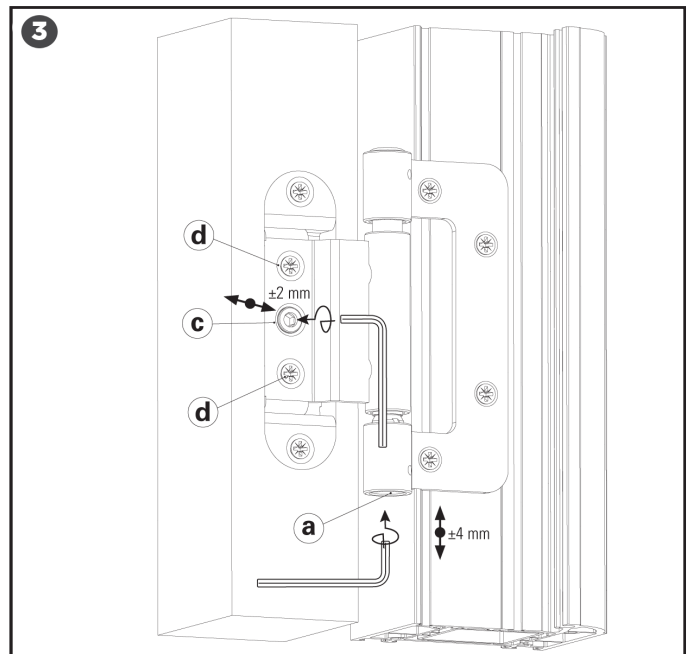
2. Open the door and unscrew but do not fully remove the lower security screw marked 2

3. Horizontal Adjustment

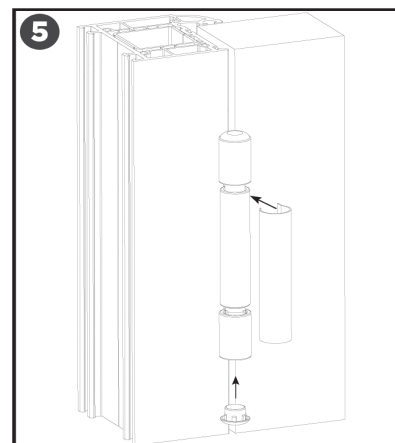
To increase the air gap between sash and frame, loosen screws (d) adjust by turning screw (c) with a 4mm Allen key and tighten screws (d)

Height Adjustment

Adjust by turning screw (a) with a 4mm Allen key



4. Open door and tighten security screw



5. Replace the lower cap and the cover cap

Installation

Keep Adjustment & DDA Ramp



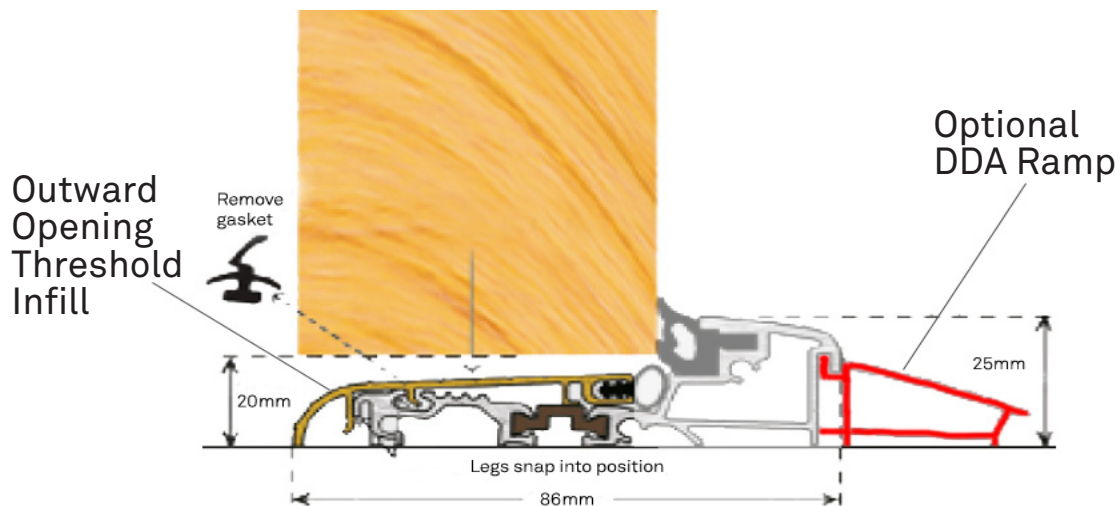
To increase/decrease the locking tolerance of either the latch or hooks, a T15 'Torx' screwdriver is required.

Firstly, slacken the keep fixing screws surrounding the hook pocket half a turn to allow the adjuster cams free movement.

Now, turn the torx adjusters clockwise or anti-clockwise to achieve the direction of adjustment you wish to achieve.

DDA Ramp

- The additional DDA front ramp for the MDS 70 threshold is easily attached to the body of the threshold.
- The threshold is pre-fitted to the frame



Outward Infill

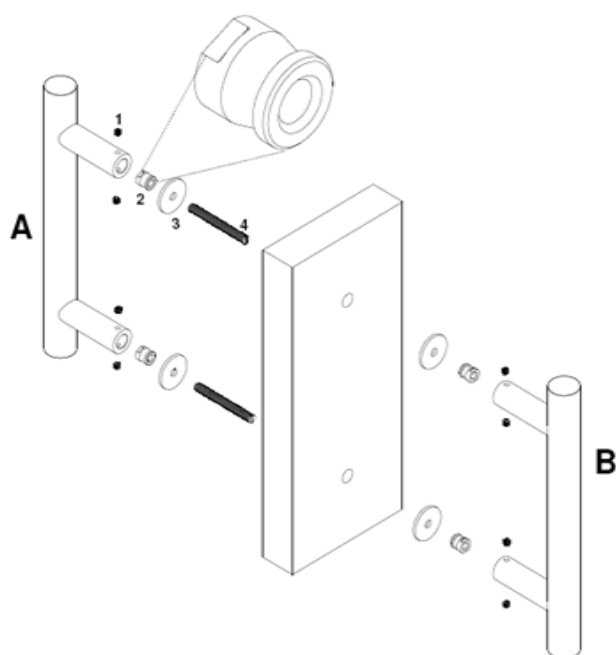
- Before attaching ramp remove gasket from base section of MDS
- Cut ramp to size by measuring the inside dimensions of frame
- Line ramp up with rail on base and clip ramp into place



Installation

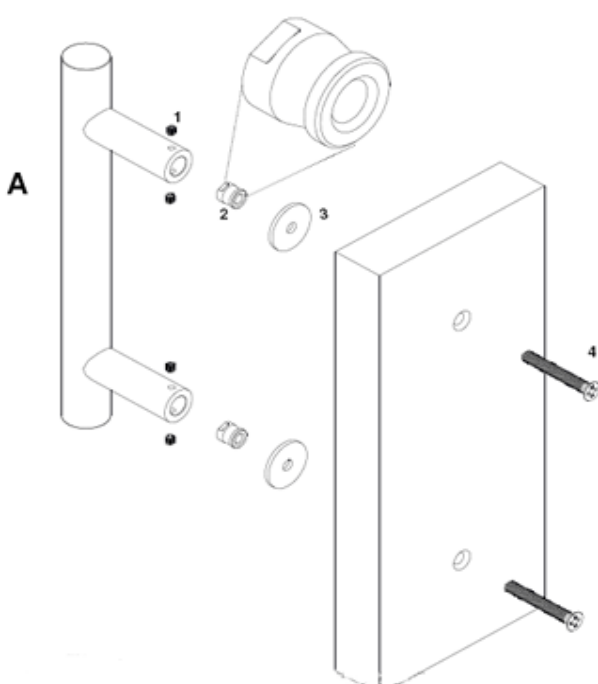
Pull Handle Fitting

Important: Please remove the protective film only after completion of the building. During the construction phase the products in stainless steel are often treated inappropriately (e.g. the hands are contaminated with chemicals). Thus, you run the risk that rust film could appear. If you remove the protective film before completion of the building, rust will not be accepted as reason for complaint.



- Measure the exact fixing centre
- Transfer this fixing centre to the door
- Drill two holes ($\varnothing 9$ mm) through the door
- Insert the bushing (2) [side A] in the pull handle socket. Pay attention to the correct direction.
- Screw the threaded bolt (4) in the pull handle socket together with the bushing.
- Insert the screwed threaded bolts through the drillings of the door.
- Optionally you can use the washers (3) from both sides.
- Screw the bushing (2) [side B] on the threaded bar (4) and tighten with an open-end wrench.
- Afterwards put the pull handle socket on side B on the bushings (2) and fix the pull handles on side A and B with the enclosed 8 grub screws (1).

EZ1066 bolt-through fixing without cover



- Please measure the exact fixing center
- Transfer this fixing center to the door
- Drill two holes ($\varnothing 9$) through the door
- Put the bushing (2) into the pull handle socket. Please take care for the correct direction.
- Put the threaded bolt through the bore holes in the door
- Optionally you could use the metal washer (3)
- Fasten the threaded bolt (4) into the socket of the pull handle
- Fix the pull handle with the grub screw.

Installation

Sealing/Finishing

All protective films placed on the outer frame profiles and door facings should be removed as soon as the installation is finished, and prior to perimeter sealing.

Gaps can be sealed solely with a ribbon of low modulus silicone sealant. In all cases the sealant should fill the gap to a depth no less than the width of the gap; a backing strip/expanding foam may be used to limit the amount of silicone used.

The purpose of a perimeter sealant is to prevent water & air leakage between the aperture and the door set. Efforts must be made during installation to ensure that debris, such as wet plaster does not foul drainage paths nor impair the operation of hardware. Neither sand and cement, nor plaster should be used to fill the gap between the frame and the structural opening with the exception of pointing under the threshold if required.

Please note lock off screws in hinges have been left loose intentionally to allow for adjustment after installation. These screws and the hinge grub screws should be tightened after installation and before handover.

Please see interior of leaflet for information on how to adjust hinges & keeps and install threshold components.

Glazing Seal:

Our glazing method is in accordance with the glazing cassette manufacturers guidelines and has been independently tested to BS6375 Part 1 for weather performance. However on occasions during heavy rainfall or in exposed areas you may find some water ingress.

Should this occur we recommend that a neat bead of Low Modulous Neutral Cure silicone be applied on the exterior side of the door, between both the glazing cassette and the glass, and the glazing cassette and the door. This should eliminate any leaks in this area.



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