

INSTALLATION GUIDE

When you install your new Black Metal Door, you may need to remove the originally installed timber door slab. If this is the case, then you will need to remove the hinges and fixing plate from the door surround.

TOOLS REQUIRED:



4mm drill & battery drill



Frame fixing screws



1mm Frame packers



Measuring Tape



Spirit Level



Chisel & hammer
(if removing rebate)

NOTE: Frame fixing screw type and size depends on the material you are fixing the frame into. At the screw fixing points, the aluminium door frame body is 18mm thick.

- 1 Depending on the fixing method, you may need to fill in the recesses left in the timber. Use appropriate fillers and follow their instructions.

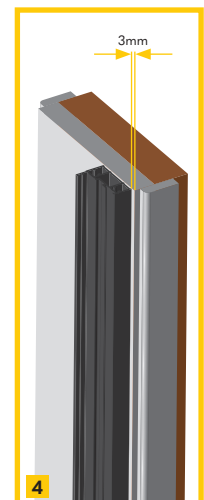
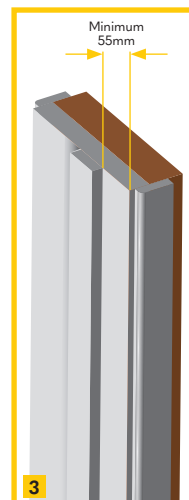
Fill-in the hinge and lock recesses to make frame flush, if required.

- 2 The next step is to determine the position of the aluminium door frame within your timber sub-frame. Firstly, the aluminium door frame should be positioned on the side of the sub-frame that the door will open into.

- 3 The majority of timber sub-frames have a rebate or central piece of rectangular timber positioned off-centre within the subframe. You can choose to keep or remove this (looks better removed!) If

you choose to keep it, then it will need to be positioned a minimum of 55mm from the edge (on the side the door opens into). Once re-positioned, position aluminium door frame hard up against the rebate.

- 4 Now it's time to check the position of the aluminium door frame on the timber sub-frame. For best results position the edge of the frame 3mm in from the edge of the timber sub-frame, this will create a neat finish and also allow the door hinges to open to their maximum opening angle. Setting the frame in the center of the sub-frame is also possible but it can restrict the opening angle of the door, please check this.





5 Prior to positioning the aluminium door frame in the sub-frame you will need to drill the fixing hole positions in the aluminium door frame. Drill the 4mm hole in the frame recess (see Fig 1) directly next to each hinge and in the same position on the lock side. Furthermore, drill a hole 50mm above and below the keep plate. See packer position (Fig 2 for clarification of drilling positions. (drill positions denoted by)).

6 Measure the internal width of the timber frame and the overall outer-frame width of the door. Minus the door frame width from the timber sub-frame and then divide this by 2. This is the amount of clearance you will have between the frame and the timber sub-frame. Make this gap up with the 1mm packers.

7 The bottom of the aluminium door frame is 12mm longer than the opening sash. Therefore, rest the aluminium door frame directly onto the finished floor level.

8 Before fixing, check the frame is square and plumb. Then we recommend fixing the hinge side first. Then close the sash against the door frame on locking side and ensure the full length of the sash hits the aluminium door frame at the same time. Adjust position of door frame to ensure this happens. Start by fixing the centre screws above and below the keep, then top and bottom fixings.

9 Ensure frame fixings are tight and do not bow the aluminium door frame. Check door operates correctly and then insert frame fixing strips to cover the screw heads. You may need to trim to size for perfect fit.

