



## **SLIDING FOLDING DOOR** **INSTALLATION INSTRUCTIONS**



Before commencing with the installation of your folding door please ensure that you have received all of the following with your delivery:

1. One long bundle containing the frame components. This comprises:
  - 1) 2 x jambs (uprights of the frame)
  - 2) 1 x head rail (top track)
  - 3) 1 x cill rail (bottom track) with the sliding track attached to it.
  
2. One bundle containing the door "stack" itself. This bundle should have a parcel attached to the inside of the door stack. This should contain:
  - 1) 1 x set of spring loaded handles with male/female mounting screws
  - 2) 1 x set of 3 keys
  - 3) 1 x small set of screws (for assembling the frame)
  - 4) 1 x small packet of pop rivets (for mounting the door stack to the jamb)
  - 5) 1 x small packet of glass setting blocks (small rubber blocks +/- 25mm long)
  - 6) 1 x small parcel of fixing lugs (aluminium flat bar)
  - 7) 1 x roll of glazing wedge (wedge shaped rubber for holding the glass within the frame)



To assemble and install this Eagle Door product you will need the following:

- Small ladder or step
- Tape measure
- Spirit Level
- Silicone sealant – colour closest to the finish of the product
- An adequate quantity of 8x70mm knock-in wall anchors. Allow 1 wall anchor for every 500mm of frame length, thus the height plus the width of your door (in millimeters), multiply by two, then divide by 500, will give you the required number of wall anchors
- #2 Pozi Screwdriver
- Pop-Riveter
- 8mm Masonry drill bit
- 12mm Steel drill bit (only if the mounting will be through the frame itself and not with fixing lugs)
- Electric drill with hammer action for drilling into masonry
- Hammer
- A small selection of wood off-cuts. These will come in handy when leveling the frame work
- A few wooden clothes pegs. These make great wedges to assist with the leveling process.
- An extra pair of hands to help with lifting etc.



The first step is to pre-assemble the frame before fitting this in the opening.

1. Remove the four frame sections from their bundle. Position these on the floor, as close to the opening as practically possible. These should be laid out as if you were viewing the frame and opening FROM THE OUTSIDE.
  - 1) You will notice that there is a lip running the length of the head rail and the two jambs. The cill rail does not have the same lip but has a raised edge to it.
  - 2) The side that these lips and raised edge are on should be the one placed on the ground.
    - (a) The head rail (with the recessed groove in it) should be placed at the top.
    - (b) The cill rail (with the raised edge) should be placed at the bottom.
    - (c) The two jambs will differ from each other slightly. One has pre-drilled holes in it to which the door stack will be riveted. This must be placed on the side towards which the door will stack when opened. The other has a stainless steel lock striker plate fitted to it. This should be positioned on the side which the door will close towards.
2. Once you have all the frame parts positioned correctly, apply generous sized silicone beads to the edges which will be joined once assembled. This is important for sealing the joints and protecting the cut aluminium edges.
3. Using the #2 Pozi screwdriver, assemble each of the four corners with the 32mm screws supplied. Ensure that the screws are pulled up snug but be careful not to over tighten them to the extent that the aluminium starts to deform.
4. With the assistance of a second person, lift the frame into position. Using the spirit level, ensure that the frame is plumb and level on all planes. If the cill rail is not level, split the clothes pegs from the spring and use these as wedges to get the cill level. Washers, wooden wedges & packers can be used to shim the jambs when securing these to the walls. If securing the frame with fixing lugs, position the lugs as desired. If securing through the frame, drill an 8mm hole right through the frame at points measured as per the calculation for wall plugs. Drill a 12mm hole through only the uppermost aluminium wall of the frame, NOT through the back wall. This surface is needed to pull the wall plug up against.
5. Secure the frame at the most central fixing point on each piece of the frame. Check again that the frame is plumb and level. Use the materials previously mentioned to adjust as necessary before securing the balance of the fixing points.

Once the frame is installed, the door stack is fitted:

1. Position the door stack as close to the opening as practically as possible. Remove all the packaging, taking care to keep all the included parts mentioned above together.
2. You will notice that the stack has a door stile on one end with hinges fitted to it. The other has a lock fitted to it. You will also notice that on the extremities of the door you will find a roller wheel mechanism on end and a guide with two cylindrical rollers sticking out the top of the fitting on the opposite end. The end with the wheels on is the bottom and the one with the cylindrical guides is the top.



3. Position the stack closest to the jamb of the frame that has the hinge holes pre-drilled in it, as this will be where the door is first attached to the frame.
4. Manually position the guides and rollers so that they are at 90° to the door panels. This will help place them in the correct position when lifting the stack into position (the stack will be lifted into a position 90° to the head & cill rail and these guides and rollers will need to be placed into the head rail and onto the floor track on the cill rail).
5. With the assistance of at least one other person, lift the stack and manoeuvre into position by first tilting the stack back slightly in order to slide the top guides into the recess of the head rail. Once these guides are in position, lift the bottom of the door up and backwards and carefully lower the rollers onto the raised track on the cill rail.
6. Carefully position the stack right up against the jamb. Holding the door stile with the hinges on against the jamb, carefully align the hinge holes so that they line up perfectly, starting with the middle hinge. Once aligned, pop rivet a countersink rivet thru one of the most central hinges. Once happy that the door is evenly aligned with the frame and the hinge holes, rivet a single rivet through both the top & bottom hinges in a similar fashion. Do a final alignment check and then rivet thru every hinge hole.
7. Once the door is properly secured to the frame by it's hinges, slide the door across, locking it into place wherever a flush-bolt is fitted. The last panel should latch into position in the striker plate on the opposite jamb.
8. Fit the handle provided, using the two male/female screws supplied. The "blind" side of the fastener should be located on the outside of the door. The slotted screw should be on the inside. The square shaft supplied passes through the lock mechanism and each handle cover strip is placed over this before being fastened down.

Your door is now ready for the final stage before use. At this point it needs to be glazed.

1. Position the glass as close as possible to the folding door (on the outside, as this is the side into which the glass will be fitted) to minimize the distance to carry and potential damage.
2. The glass setting blocks mentioned in the list of contents above must be fitted two per door panel. These rubber blocks are positioned at the bottom