# aïr 600LS
# Assembly and Installation Guide

03/11/V2

UPDATED FOR SLIM INTERLOCK

www.discoverair.co.uk

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# Assembly and Installation Guide

## Please read this guide in full before attempting installation

**Contents**



Nobody's perfect! If you spot any improvements we can make to this guide please email hello@discoverair.co.uk

This guide acts as a point of reference and is not a definitive guide to installation. Installations should always be carried out by a trained and competent person as Everglade cannot be held responsible for any errors in installation made on your part.

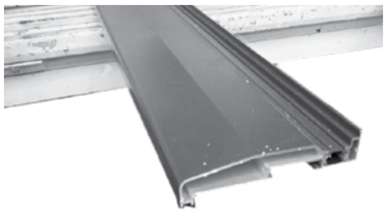
# aïr Toolkit

aïr doors are supplied in kit form for ease of transport and ease of installation on site. All aïr doors will have some or all of the following requirements. Please check delivery note for exact details.

**TOOLS REQUIRED** - Long spirit level, laser level, cordless drill/driver, selection of drill bits (HSS + SDS), hammer drill, rubber mallet, glass suckers, glazing bars.

Outerframe
2 side jambs, 1 headrail, 1 bottom threshold, add on (if required)

Door Panels
2-6 depending on requirement.



Projecting Cill
1 no if required

Screws for fixing dummy panels, Locking Keeps, Lock Keep jigs, Door Buffers, End sealing pieces (2 for head and 2 for threshold).

# Outerframe Assembly And Fitting

1. Carefully unpack outerframe, taking care not to make contact with painted finish if using a blade or a knife

2. Place the headrail and bottom rail on opposite sides ensuring that the drain holes are always facing outside

3. Place the side jambs on opposite side to form the shape of a square/rectangle frame.

4. Begin the joining process. Place the end sealing pieces onto both ends of the headrail and threshold (as shown in figure 5) and silicone these in to create a weather seal.

5. Screw the side jambs into the headrail / threshold through the pre-drilled holes into the side jamb see figure 6.

   ✓ Ensure all corners are screwed tight.

6. Begin installation of the frame - ensuring the base is level. If packing is required, ensure adequate packing shims are used and they are placed along the bottom of the aperture every 300mm.

figure 5

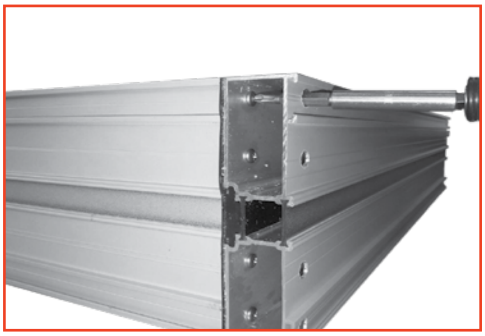


figure 6

# Outerframe Assembly And Fitting

**7** Place the frame onto the packers and begin to plumb the side jambs.

To fix the frame into the aperture remove the centre gasket and fix through the polyamide every 150mm from each corner and at every 400mm centres. See figure 7.

**8** Ensure clearance holes are drilled through the polyamide first. Clearance hole depends on the type of fixing being used - eg: M8 x 100mm. Nylon anchor would require an 8mm clearance hole. Pack the back of the frame to suit. Re-fit the centre gasket. Additional fixing lugs are available to order

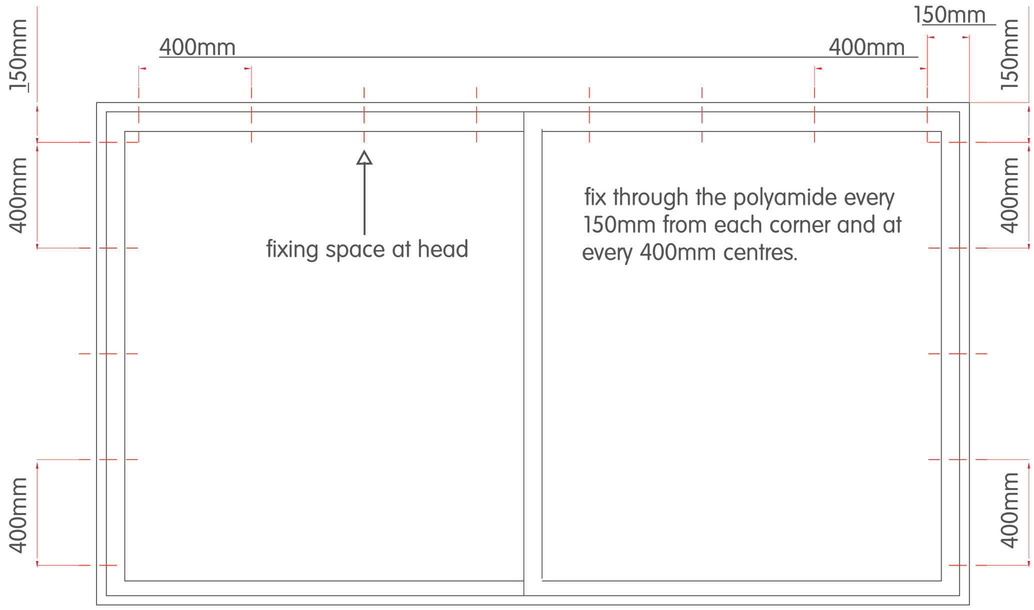


figure 7

**Do not drill through the bottom track. This should be adhered to the bottom substrate using expanding fixing foam.**

# Outerframe Assembly And Fitting

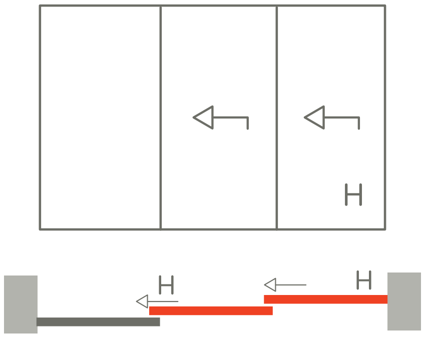
1. Secure the head rail in the same way as the side jambs.

2. Once the frame is plumb, levelled and screwed in, check that the diagonal measurements are correct. All gasket which was removed from the outer frame should be pushed back in.

3. Proceed with the installation of the Sliding panels. When fitting the panel ensure all the wheels are retracted i.e. Handles are in the locked position, with the handle pointing upwards.

4. When fitting the panel the master panel (first slider will always be on the inside track). See figure 9.

Figure 9.




5. Start with the panel that is sitting on the outside track first (if this is a dummy panel see dummy panel fixing instruction

6. Glaze the fixed panel before proceeding with installation of the next sliding panel (see glazing instruction)

7. Once glazed, install the next panel until all the panels are fitted and glazed.

# Dummy Panels And Glazing

## Dummy Panel Fixing

1. Place the dummy panel in the correct track and slide to the right or left outer frame jamb (see correct position of Dummy panel on survey).

2. Clearance holes have been pre-drilled in the glazing channel of the dummy panel.

## Glazing

1. Remove the beads

2. Place the glazing packers on top of the bottom glass supports and insert the glass into the sash. Ensure glazing protection tape is removed on the interlock side of the glass.

3. Silicone bond the glass to the slim interlock stile. This should be done using low modular silicone. To bond the glass to the interlock correctly, ensure the silicone is filled evenly between the space for the glass and the interlock profile from top to bottom and avoid overfilling the bead channel.

4. Replace the bead and push in the wedge gasket using a glazing shovel.  Please note the bead on 69mm interlock will be larger than the beads on the 83mm sash

figure 10

# Lock Keep And Buffer Fitting

## Lock keep Fitting Instruction.

1. Place the lock receiver into the locking point as shown in figure 11. This will hook in.

2. Slide the door shut firmly but not too hard. This should mark two points on the outer frame jamb. This is where you screw the locking point. (See figure 12).

Note: The larger lock keep will fit at the top and the smaller lock keep at the bottom. The larger lock keep is used for a safe ventilation point.

3. When screwing the locking points check after fixing each one that the doors lock correctly.

## Door Buffer Fitting Instructions

1. When fitting the door buffer, ensure that the handle will stay away from the meeting stile at any position when the door is open.

2. Drill a10mm diameter hole in the centre of the door panel profile (bottom rail) place the door buffer inside and fix with a self drilling screw. See figure 13.


figure 11


figure 12


figure 13

# Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Locks don’t engage | Door not fitted level and plumb | Ensure that the door is plumb and level |
| Bead doesn’t fit in | · Wrong thickness of sealed unit | Use a glazing unit of the correct thickness and specification |
| Door doesn’t slide smoothly | · Dirt and debris on the track<br>· Head is downed up or down | Clean the track before oper-ating the doors |
| Water collecting on track | · Blocked drain holes<br>· Check level | Clear any blockages from the drainage holes |
| Water entering internally through bottom track | bottom track has been drilled through | Under no circumstances should you drill through the bottom track. bottom track will need to be replaced |