

## INSTALLATION INSTRUCTIONS CLEAR-VU PVC SWING DOORS

Issue No: 2  
Date: 16/06/14

### 1. Tools Required

Pilot drill	17, 19, 22 and 25mm spanners	
Adjustable spanner	Tensioning key	Measuring tape
3mm and 6mm Hex Key	Cutting knife	Hammer
Lifting bar	Spirit level	Bevelling tool

### 2. Preparation

- Check construction, soundness and level/plumbness of door frame and jamb.
- If door opening is not square, you may have to pack out either the top hinge mount or pivot mount.

### 3. Installing Two Piece Backing Plates

- Check construction opening is large enough for backing plates.
- When placed into opening, backing plates should fit hard back against wall.
- Present backing plate to required position on wall, mark position of 4 threaded base plate holes at top of backing plate.
- Remove backing plate and drill 12mm clearance hole where threaded top base plate meets wall and lower hinge.
- Re-present backing plate to wall making sure to realign holes again. Drill and screw/bolt any one of countersunk holes to fixing to hold backing plate securely.
- Using spirit level, plumb and true backing plate vertically. Screw or bolt one of lower fixings to hold backing plate firmly.
- Secure rest of fixings provided to secure backing plate firmly to wall.
- Repeat steps with other backing plate
- Frame is now ready for door arms.

### 4. Fitting Door Arms

- Taking care not to scratch painted steel surfaces, take a door panel to doorway.
- Sit door panel in place. Using lifting bar, raise door and line up four holes in base plate. 4 holes should match up with top 4 holes in mounting frame jamb.
- Take four 8mm cap screws as supplied, and screw base plate firmly to frames with alum key.
- With your spirit level, ensure door arm is vertical in mounting frame
- Fix lower hinge to mounting frame with 2x 8mm cap screws and tighten securely.
- Now fit second door panel arm repeating steps outlined.

### 5. Adjustment of Door Panel Arm

#### NB: Door if fitted with Stay Open / Self Closing functions

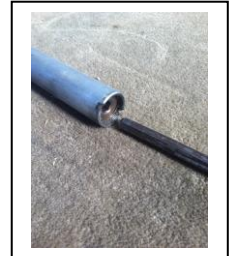
- For lower hinge adjustment, loosen off locking nut found under lower hinge. Now tighten large Hexagon nut at top of lower hinge.
- Lower hinge will start to take some door arm weight, but still swing smoothly.

**NB: If lower hinge is too high or too low, it puts pressure on shoulder screw just below top hinge, interfering with door arm movement eg: Will cause self-closing door to stay open or slow down door movement.**

- Tighten lower hinge lock nut on completion
- Using 22mm spanner, loosen main hex head bolt on top of upper hinge but only one turn.
- Remove the top PVC insert from the door arm. With the tensioning key, tension the door arm to the strength you require. In most situations, only lightly tension the arm.
- Check that the door is operating smoothly in both directions.

**6. Adjustment of the Rolling Pieces**

- There are two small threaded pins of 5mm diameter in rolling piece.
- Using 3mm alum key, door arm is adjusted by tightening one threaded pin and loosening other until door arm is centred in frame. If door is still not correctly centred, re-adjust threaded pins again until finally centred.
- With 22mm spanner, lock down large hex head bolt on top of upper hinge into rolling piece. Use spanner and hammer to lock bolt securely.
- Use 3mm alum key to ensure both threaded pins are tightly back against mounting frame. This prevents rolling piece from moving against door mounting frame when door arm is pushed open.



**7. Adjustment of PVC Wrap Around**

- Adjust bottom PVC wrap-rounds (if fitted) if there is distortion in PVC main panel.
- Tap down evenly all around top of wrap using hammer and block of wood
- Repeat for other door arm

**8. Cut-Outs**

- There should be gap of between 3mm and 5mm at top of cut-out when doors are closed.
- If you need to trim edge of PVC panel, ensure that edges are bevelled or carefully planed smooth.

**NB: For single Clear-Vu door panel, make sure PVC is clear of door jamb. There are not any curved cut-outs required for single door panel.**

- Insert PVC inserts into ends of both door arms and trim to match ends of PVC cut-outs

**9. Final Service Delivery Checks**

- Ensure all fixings are tightened
- Ensure door does not touch ground
- Ensure door arms move and return freely
- When door closed ensure correctly centred in mounting frame
- Ensure lower hinge is adjusted
- Ensure door is cleaned
- Insert Smoke Stop seals (When specified)
- Ensure premises left in clean and secure condition

Client to be asked to observe door installation and operation for acceptance

**10. Acceptance**

Client Signature \_\_\_\_\_  
Name

Installer Signature \_\_\_\_\_  
Name

Date \_\_\_\_\_