

ISSUE 1

Patio Plus

Installation Guide



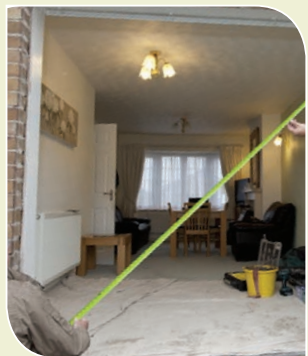
The following installation guide is designed to show you the best way to fit the new Patio Plus door. By following the details enclosed you will be able to give your customer peace of mind that their new door will operate and perform exactly as it is designed to do.

Survey and Installation

Survey and installation should both be carried out fully in line with the industry recognised standard BS8213-4 Code of Practice for Survey and Installation of windows and external doorsets, and prior to installation you should always carry out a final check to see that the product is the correct size to fit the aperture. Do not rip out the existing products until you have carried out this check.

For installation there should be a solid structure to fix the frame jambs to, and above the frame there must be a lintel. No load is to be transferred to any part of the frame.

After installation the perimeter of the doorset should be continuously sealed with a low modulus, high elasticity sealant. Make sure that all debris is removed from drainage channels, track, and rolling mechanisms, or any other areas which might affect the smooth running of the Patio Plus Door.



Step by Step

To ensure the correct functioning of any Patio Plus door it is imperative that the following instructions are followed.

Step 1 – Preparation of the opening should ensure that the frame cill is fully supported along its total length



Step 2 – Before Fixing, ensure that all threshold and blanking trims have been removed from the patio door



Step 3 – Fixing

Option A: Remove the sliding door

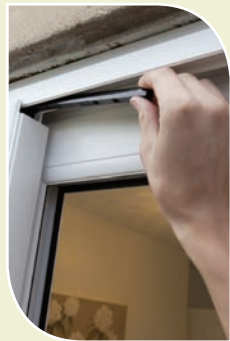
Option B: Leave both the sliding and fixed doors in position

OPTION A - Remove the blanking strip at the top and from underneath the sliding door and remove the door from the frame

- Remove Centre Seal



- Remove the blanking strip on top of the outside edge of the main frame, exposing the decelerator arm, which also needs removing



- Remove the blanking strip at the top, underneath the sliding door and you can now remove the sliding door



- Remove the fixed sash cleat



- The fixed light can now be slid across the main frame to make room for fixing



OPTION B - Fit the patio with the fixed light in position. A shield must be used to prevent damage from drills and screwdrivers



Step 4 – Suitable fixings should be used to secure the frame, positioning to be 150mm to 250mm from each corner, then at a maximum of 600mm centres. Adequate support should be positioned between the brickwork and the frame to prevent distortion when tightening the fixings.

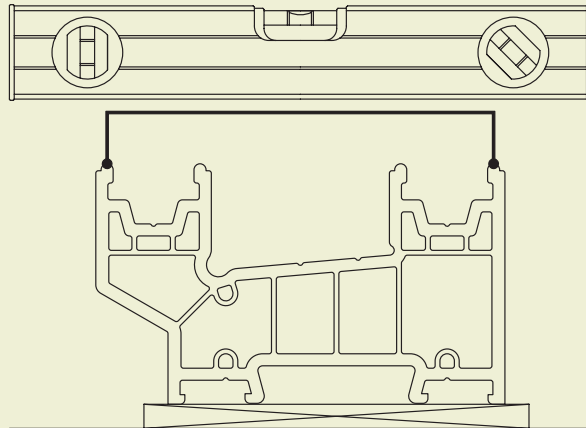


Make sure the screws are fully fixed so that they do not interfere with the refitting of the threshold cover

Step 5 – The frame jambs should be secured ‘in plumb’ vertical and without any twist or distortion.



LEVEL ACROSS 2 POINTS INDICATED



SUPPORTING PACKERS ALONG PROFILE LENGTH

Step 6 – Put the fixed light back into position and replace the sliding door (only required if using option A in step 3)



- Replace the decelerator arm and all blanking strips



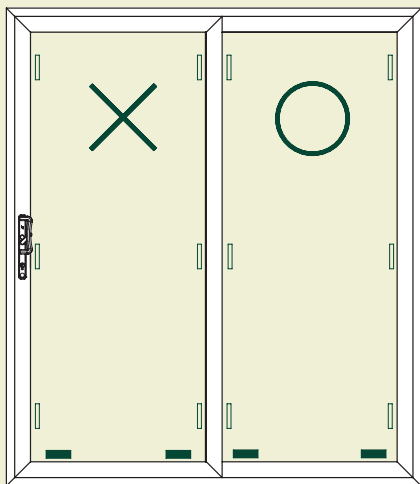
Step 7 – Replace the threshold cover and blanking trims.

Step 8 – Glazing

All glazing must comply fully with the requirements of BS6262 and any additional recommendations by the glass manufacturer.

The correct use of glazing packers is critical to allow Patio Doors to function correctly. The diagram shows the correct positioning of the glazing packers.

It is essential that the glass stays in place and we therefore recommend that where possible packers are siliconed into position. Please ensure that packers or silicone do not obstruct any drainage holes.



- Load bearing packers to keep door square and level (LPD382)
- Packing to prevent glass movement and provide rigidity to the door



- Remove the handle to glaze the slider using a 4mm allen key



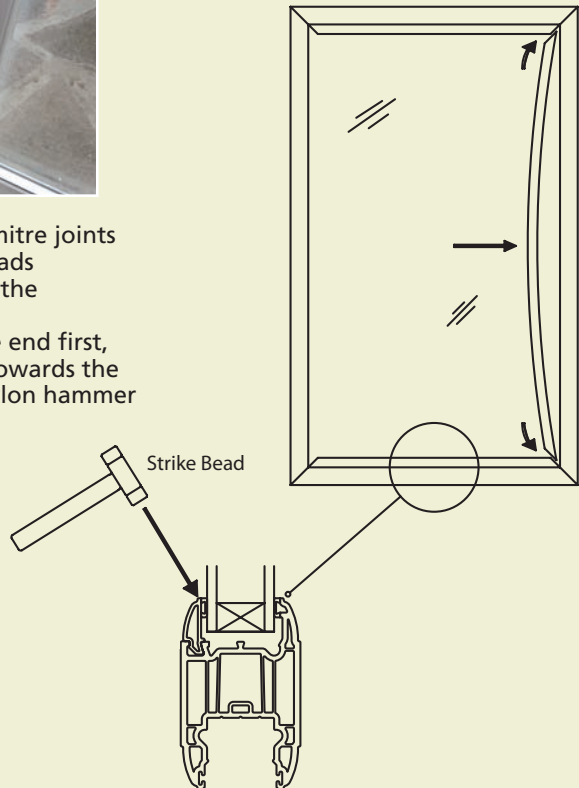
- Run a bead of silicone between the sash and the glass, around the handle area, to give support to the sash.



- Fit the bead



- Recommend 45° mitre joints
- Fit the shorter beads first, followed by the longest beads
- Locate each mitre end first, then work back towards the middle using a nylon hammer



Step 9 – Adjustments

If the sliding door requires adjustment, this is done on either corner of the bottom sash by adjusting the wheels with a 4mm allen key (these must be adjusted equally so that the door is parallel with the jam)

Turn allen key:

Clockwise = Lift door

Anti-Clockwise = Lower door



- The shootbolt can be adjusted by selecting either the round or elongated hole

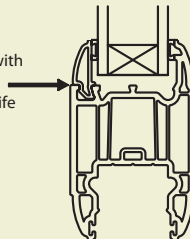


Step 10 – De-glazing



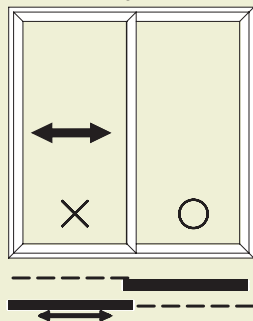
- Start in the middle of the longest bead
- Use a wide blade spatula/putty knife
- Apply pressure between bead and frame to separate
- Once removed, repeat on adjacent bead

Apply pressure with a wide blade spatula/putty knife to remove

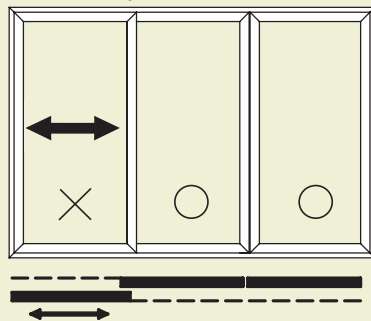


Operating

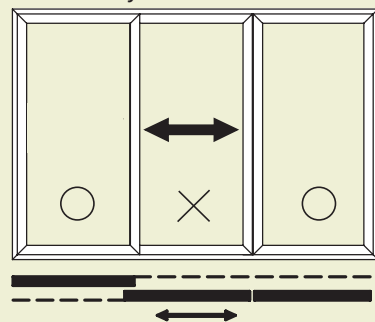
2 Pane - Style: OX/XO



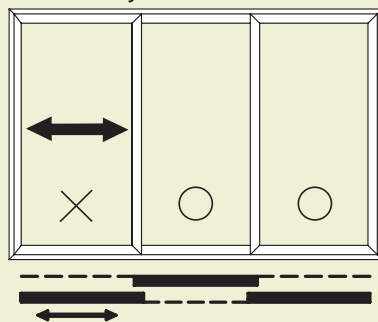
3 Pane - Style: XOO/OOX



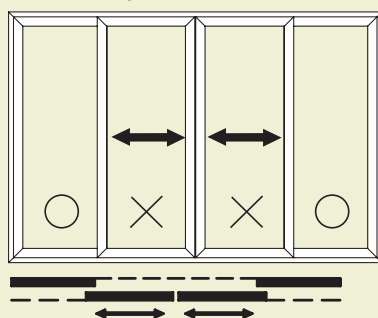
3 Pane - Style: OXO L/R



3 Pane - Style: XOO/OOX OPTIONAL



4 Pane - Style: OXXO





PLEASE LEAVE WITH YOUR CUSTOMER

Patio Plus Maintenance

PVCu

- ✓ To ensure frames are free of dirt clean regularly with soap and water to keep the appearance looking new.
- ✓ Drainage holes are to be checked and any blockages removed.
- ✓ Wood grain frames with minor scratches can be repaired using a wood grain marker pen.

Locks

- ✓ Door locking mechanisms should be cleaned and any moving parts should be lubricated with light machine oil at least once per year, and more frequently if required.
- ✓ The door locks are fitted with anti-mishandling devices and cannot be operated until the door is in its shut position.

Other

- ✓ Roller mechanisms carrying the door(s) are fitted with acetal bearings and are self-lubricating, therefore needing no maintenance.
- ✓ Ensure all tracks are kept free from debris or other obstructions which may impair the correct functioning of the product.
- ✓ Due to the high energy efficiency of glass fitted to patio doors, it may be common to have condensation gathering on the external face of the glazed unit.

FINALLY - Enjoy your new Patio Plus door.



