Engineering progress
Enhancing lives

SLINOVA®

Technical information
Installation Instructions

REHAU

Contents

Watch our SLINOVA installation video by scanning the QR code below

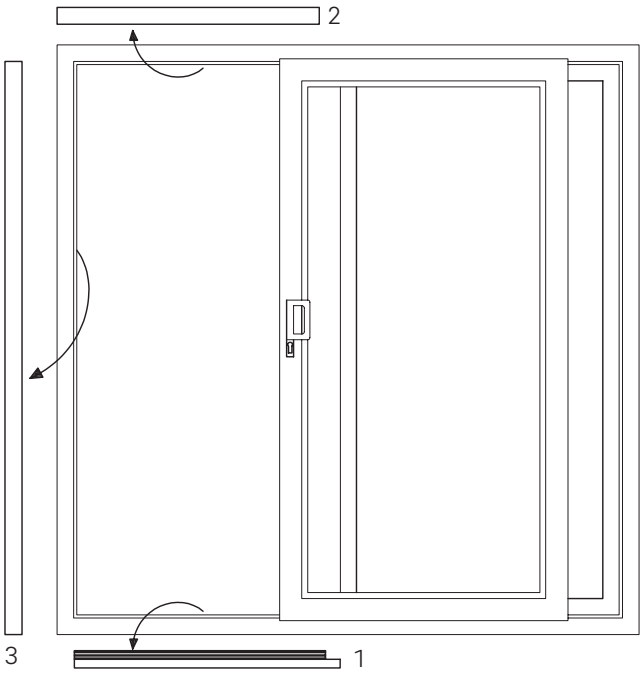
1.1 Preparation

Always check the aperture size before removing existing products!

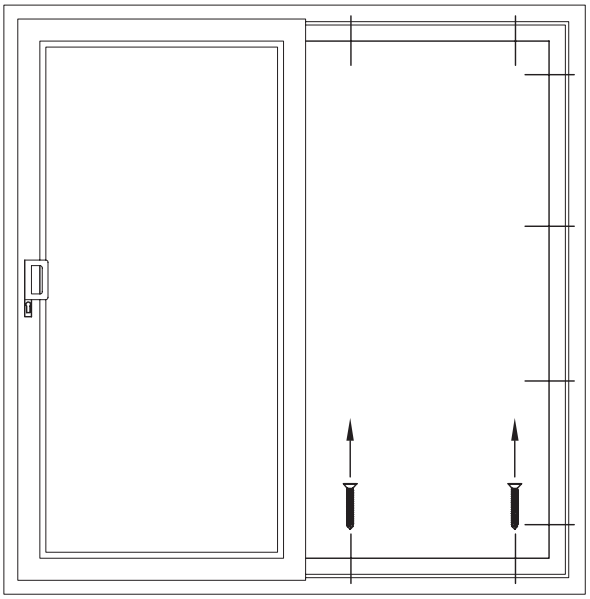
Check the door size and that all components that were specified are present and correct.

Remove the existing product and ensure that the opening is free from screws, nails and any sealants. Any repairs required should be carried out in accordance with the relevant standards and building regulations. Any electrical or specialist items eg, telephone cables, in the aperture should be routed so as to not require to be fitted through the frame.

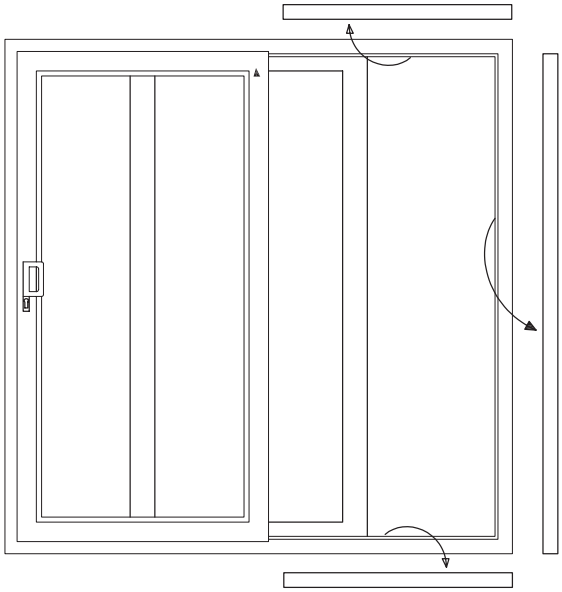
The requirement for lintels or load transferring structure should be established and installed prior to fitting the door.



1. Remove the cover profiles from the sliding sash side, starting with the aluminium tread plate. Keep the corner bungs safe. It may be necessary to remove the handle and bump stops to enable the door to slide far enough back for easier removal.



2. Remove the screws securing the fixed sash to allow it to slide across to the middle.

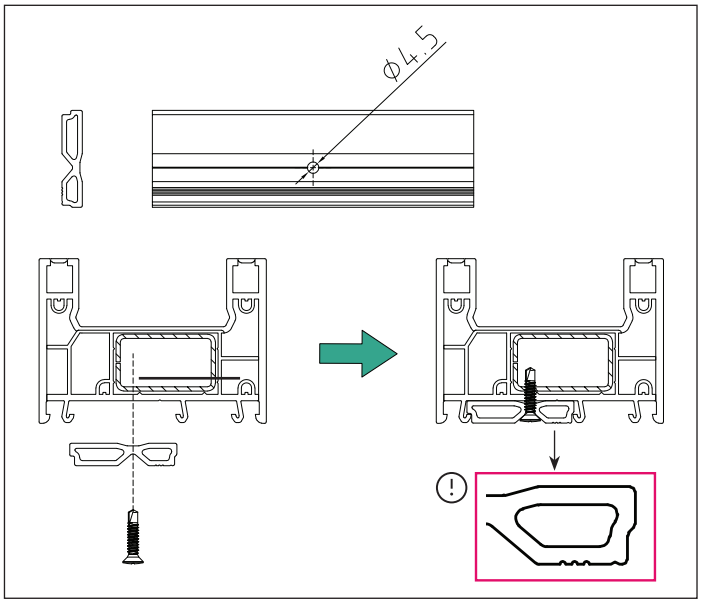


3. The horizontal and vertical cover profiles can then be removed to allow for fixing. Start with the top infill, then bottom and finally the side infill keeping the corner bungs safe.

If fitting a sill please refer to section 1.2 to 1.4.

Offer the complete door into the opening, pack appropriately at the head, jambs and sill to ensure that the door is completely square, plumb and level. Packers should be placed adjacent to the fixing screws to avoid any distortion of the frame. Also ensure that the frame does not twist, especially when using the triple track frame, as this may result in operational problems.

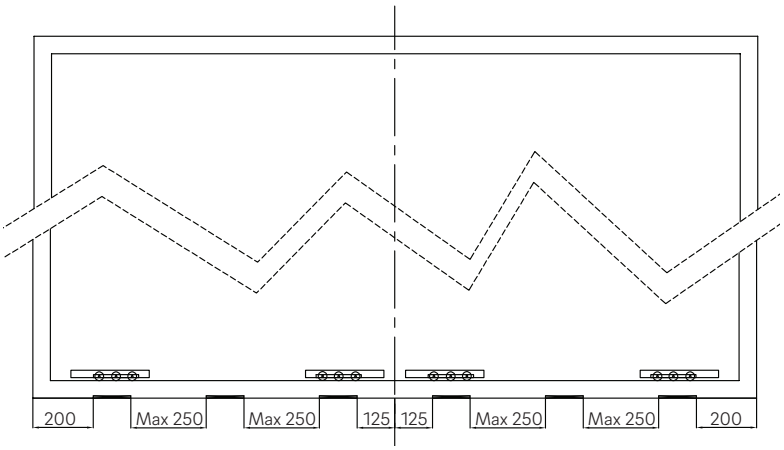
1.2 UK Sill installation



Installation steps:

1. Drill 4.5mm hole in the center of the sill packer, Art. No. 372962 as shown.
2. For packer quantity and locations please see section 1.23 below.
3. The sill packer should be placed between the frame legs with the identification pips located below the reinforcement chamber to ensure correct screw positioning.
4. Once located screw the adaptor to the frame using 3.9 x 19mm CSK self drilling reinforcement screw. The packer must be screwed in place to ensure correct function is maintained over time.

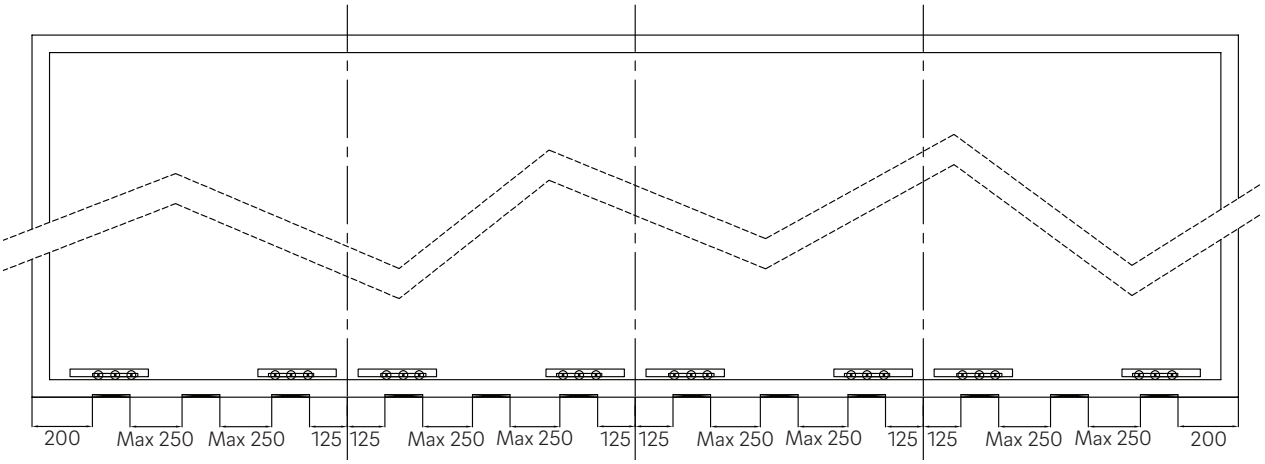
1.3 Sill packer locations



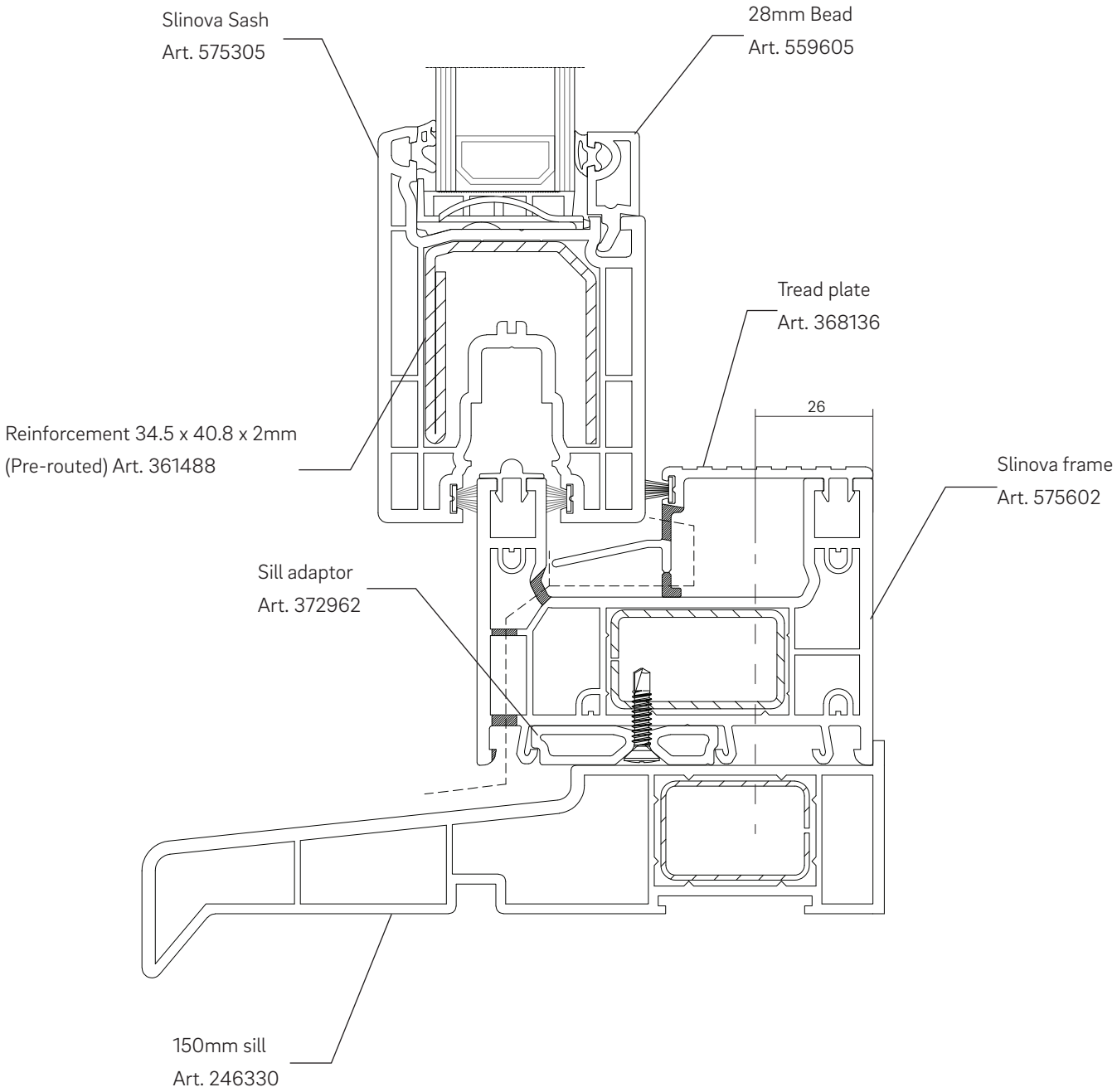
Sill packers should be fitted as follows

- 200mm from frame end
- 125mm from sash overlap centre point
- Maximum 250mm centres

The packer should sit below door roller when sashes are in a closed position.

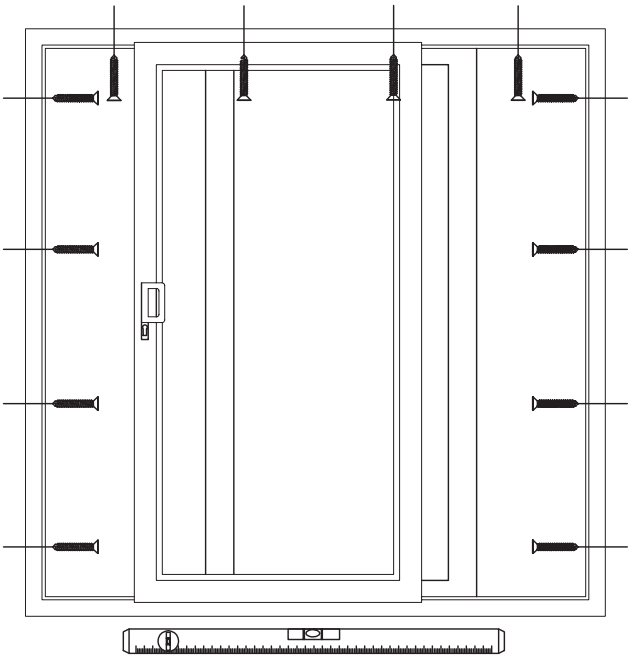


1.4 Sill detail



ⓘ When fititng the sill run a bead of silicone along the back edge upstand and sill ends. Screw fix frame to sill. Screw position is 26mm from internal frame edge.

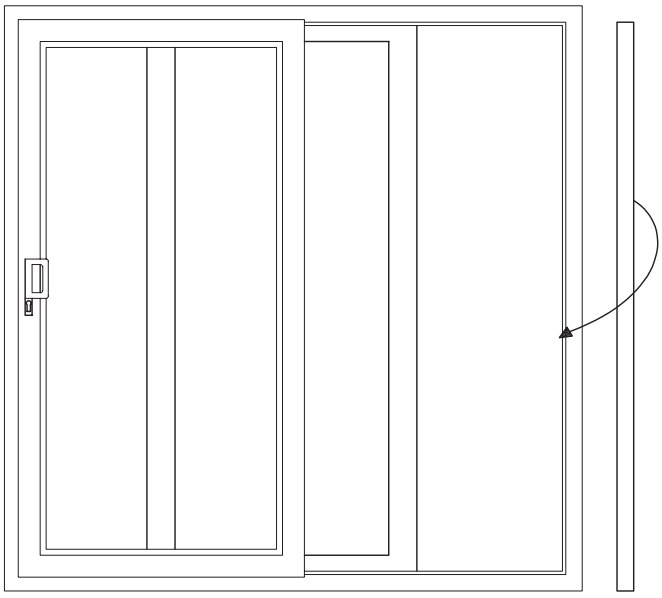
1.5 Installation

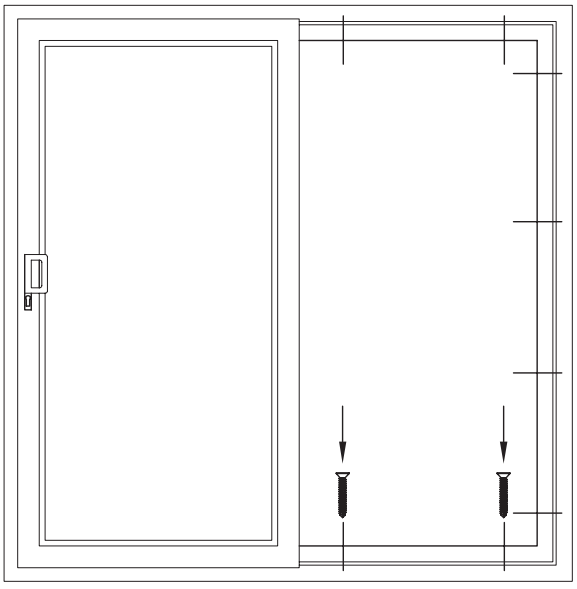


1. Fix the door using appropriate fixings. Corner fixings should be between 150mm and 250mm from the external corner.
Intermediate fixings should be at centres no greater than 600mm. Screws should be fixed into the brickwork, not the mortar.

Ensure that the door operates correctly and that all locking mechanisms are working as expected.

The sill should be screw fixed to the frame from below.
The door should be sat on a mortar bed when installing.



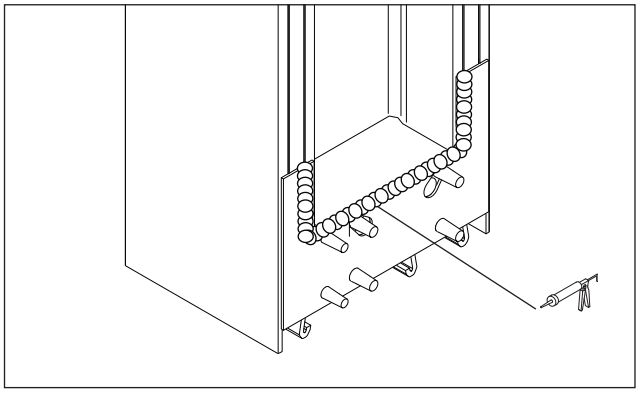


2. Re-install the trims into the fixed side frame starting with the side, followed by the top and bottom last.
Make sure anti-lift block extensions and corner bungs are in place.
Slide the fixed sash back into position and secure with the fixing screws.
Screw fix vertical frame jambs and head on the sliding side. Check level and plumb.
Check the locking mechanism operates properly.

1.6 Mechanically jointed frame

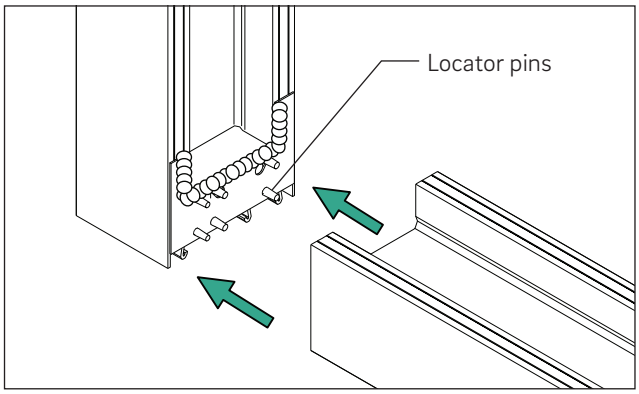
In most cases the frame will be assembled with the mechanical joint locked in position by the apppropriate fixings.
If the frame is supplied in “Kit form“ please use the following instructions.

View during vertical installation of the mechanical joint.
The UK market preference would be to mechanically joint horizontally.

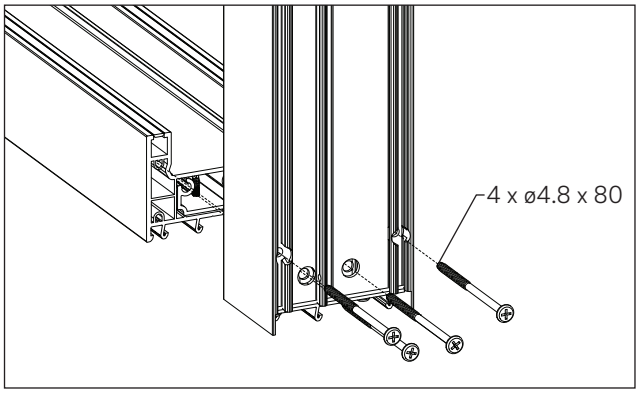


Before screwing the vertical frame profile to the horizontal, seal with silicone as shown in the illustration.

*If using mechanical joint horizontally this step is not required.

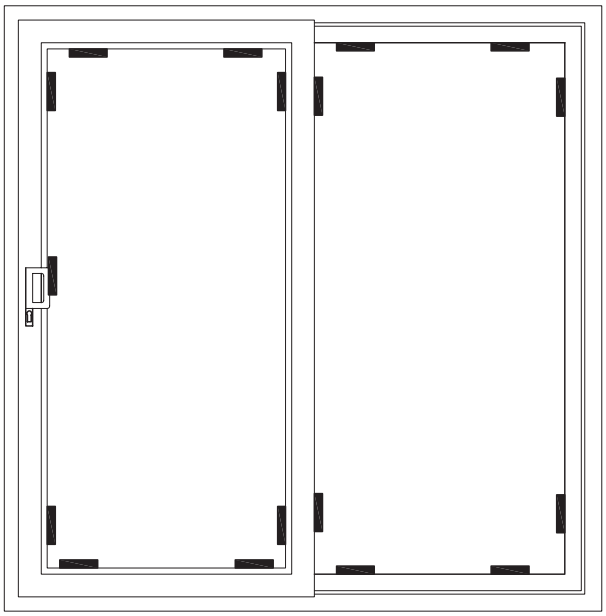


Connect horizontal and vertical frame profiles to each other. The "locator pins" help to place the frames in the correct position.

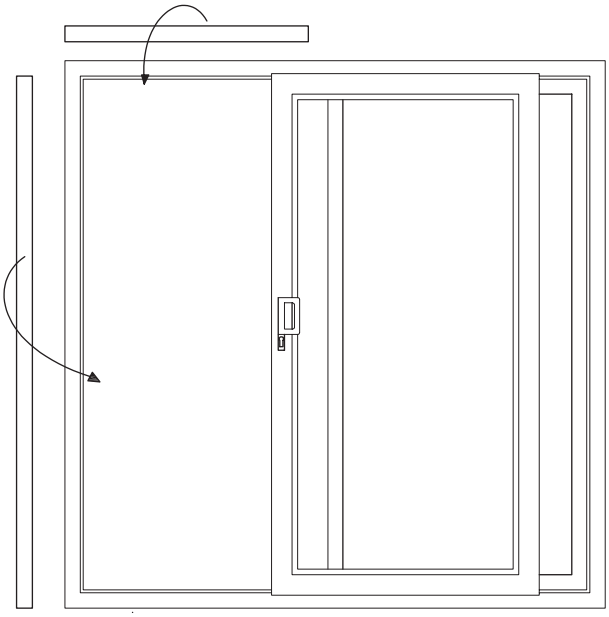


Screw the frame profiles together and then tighten the loose screw connection of the vertical frame profile.

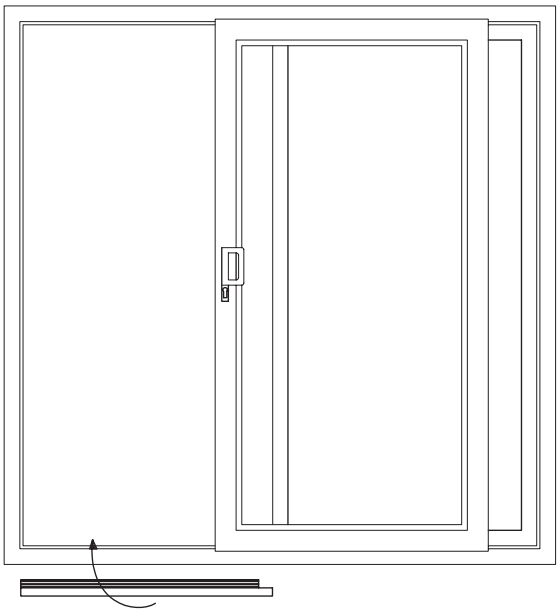
1.7 Glazing and finishing



1. Glaze the doors, starting with the outside sash. Pack the glass accordingly. The bottom bridge packers should be placed above the position of the rollers. This is approximately 150mm from the corners.



2. Re-insert the cover profiles into the sliding sash side starting with the verticals first then the horizontals.



3. Finish by replacing the aluminium tread plate. Re-fit the handles and bump stops if required.

1.8 Troubleshooting

Glazing

If using triple glazing, beading may be slightly more difficult than using standard double glazing, especially at maximum glazing width of 32mm.

Ensure that the bead groove is clear.

Position the bead flat against the glass and feed the bead foot into the groove at each end.

A smaller mallet will help with larger glazing units as the landing area to hit the bead is smaller than standard beads.

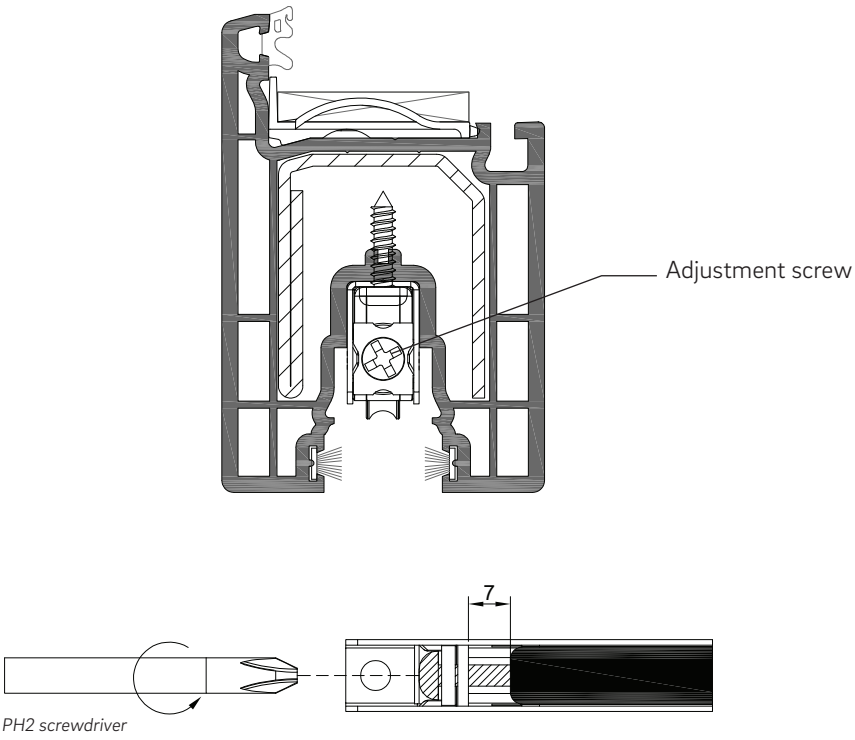
Work alternatively from corners to finish in the middle.

Interlocks

If the interlocks are clashing ensure that there is no twist in the frame, especially in the middle of the head. Toughened glazing units have a tendency to bow, causing a slight deformation of the sash so it might be necessary to de-glaze and check. Ensure that the glass is packed securely.

Roller adjustment

If required the sash roller height adjustment screw can be accessed from the sash corners.



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