sheerglide®
INLINE PATIO

INSTALLATION GUIDE



PART L Compliant ✓

SHEERLINE®
ALUMINIUM WINDOWS AND DOORS

CONTENTS

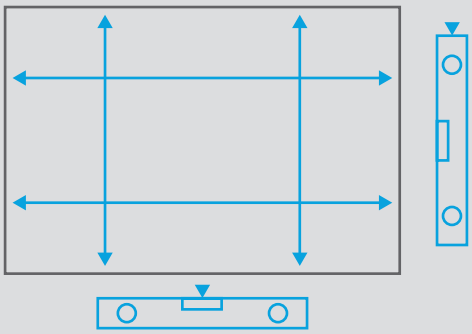
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SURVEY & PRE-INSTALLATION

Check the aperture to make sure there is no loose plaster or brickwork, and that it is free of any debris or brick dust. Ensure that a solid, level base is present at the required dimensions and can provide packing points at 250mm centres and fixing points at 600mm centres.
Ensure floor levels do not obstruct door operation or impede drainage.

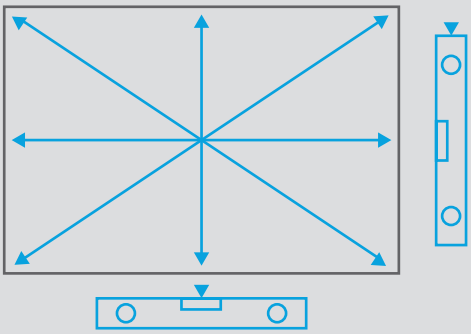


1



Ensure that all four sides of the aperture are plumb and square and identify any potential packing points.
Please note our recommended fixing positions are into the outer wall and the frames are not fixed over an open cavity as this can compromise system performance.

2



Ensure an adequate lintel or head linings are present, and are level and capable of supporting both the construction above and the frame itself.
Note: The frame should be packed under the jambs to provide sufficient support.
Check for alignment at points shown.

Frame size = brick-to-brick size – 5mm each side, to allow for level and square installation.

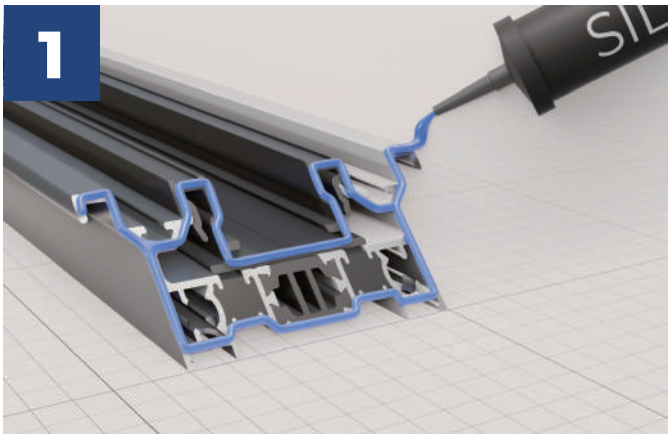
Disclaimer: Please check with the latest Building Regulations and standards that are relevant to your area for guidance and to ensure you comply with the latest regulations. The advice given in this document assumes fitting will be carried out by a qualified professional following BS 8213 - 4;2016 the Code of Practice for the Survey and Installation of Windows and External doorsets, where applicable.

OPTIONAL

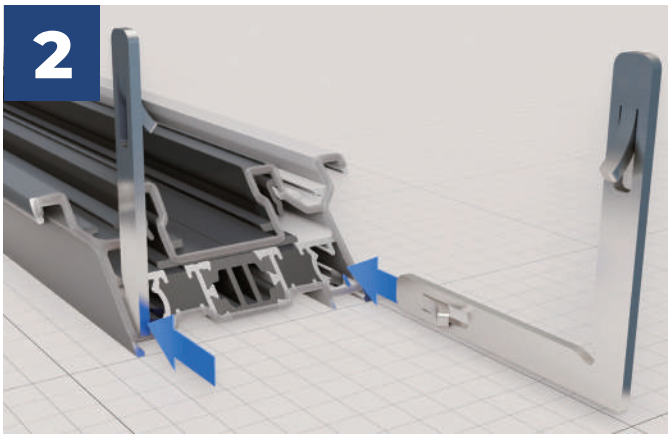
IF PATIO FULLY ASSEMBLED GO TO PAGE 16

FRAME ASSEMBLY & CORNER JOINT ADJUSTMENT





Run a continuous bead of silicone sealant around the mitred joint, starting with the bottom drained outer frame and two jambs.



Insert fast cleat into outer frame as shown.



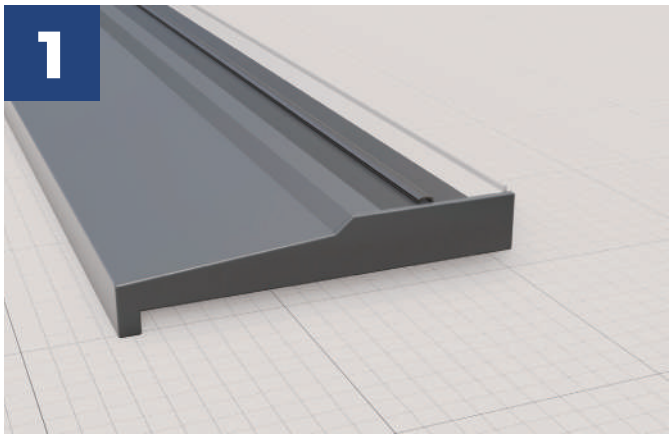
Drive the cleat screw into the outer frame through the pre-punched holes as shown, using a T25 Torx Driver. Adjust the mitre to get a perfect joint. Repeat on the head to jamb joints.

OPTIONAL

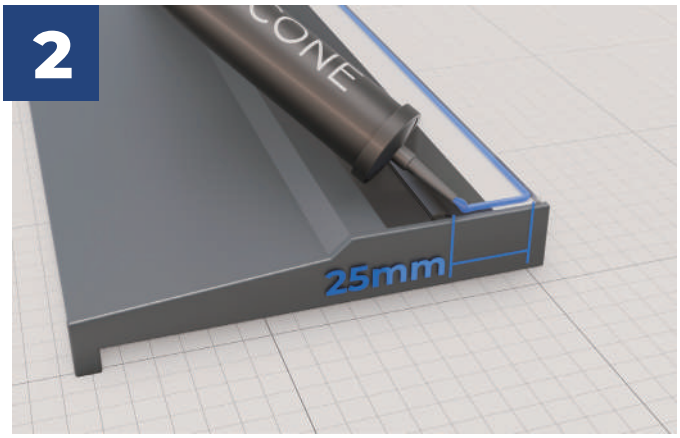
CILL PREPARATION

The cill can either be cut square with the width of the patio or cut with an additional 100mm on either side to form a traditional horn around the brickwork.

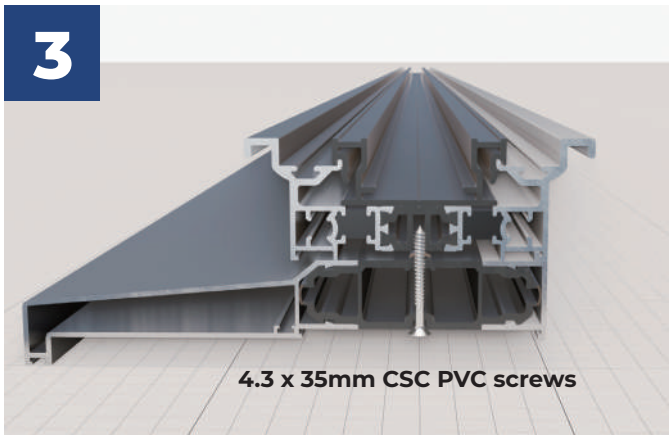




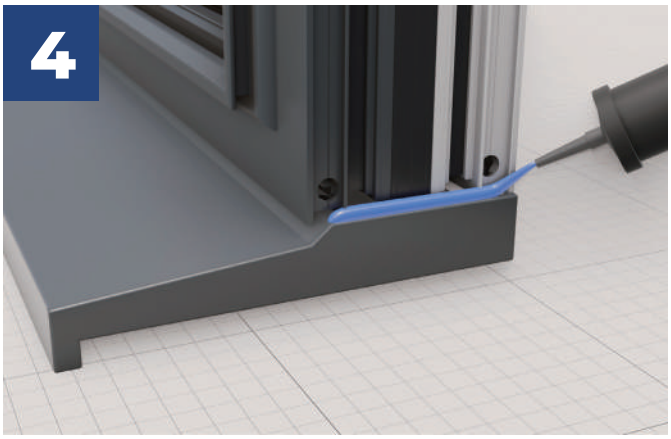
Secure end caps to the cill using a suitable adhesive.



A co-extruded gasket seals between the frame and cill along its length. Additional sealant is required as shown along the full length and a further 25mm along the edges.



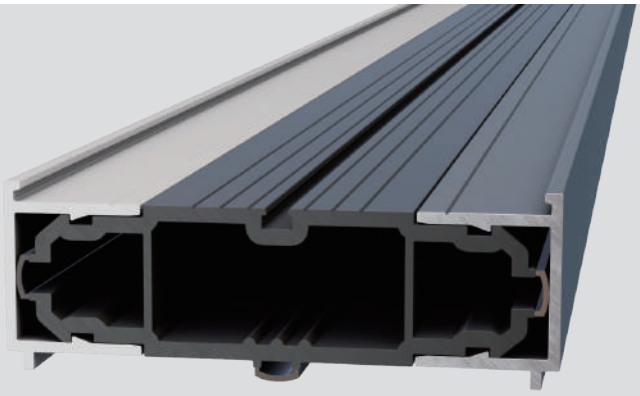
Fix through the cill into the patio frame using countersunk PVCu screws as shown above, taking care that they do not break into the internal rebate.



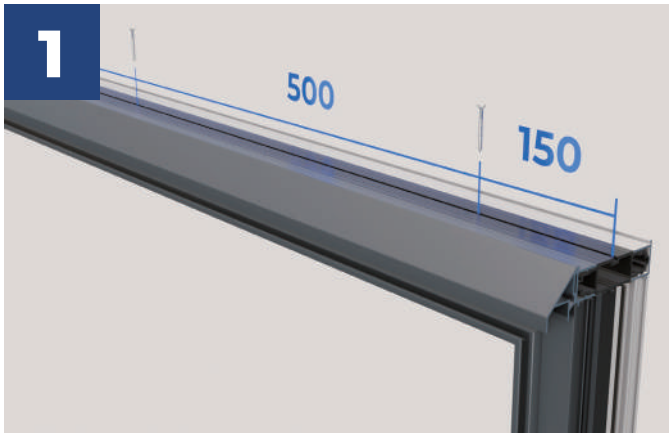
Seal with silicone along the edge where the cill meets the frame.

FRAME EXTENDERS

(if applicable)

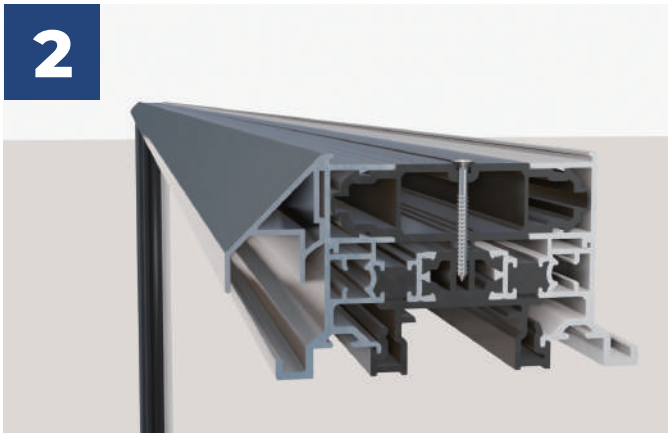


1



Fix frame extender 150mm from ends and max 500mm between centres using 3.9 x 38mm countersunk screws.

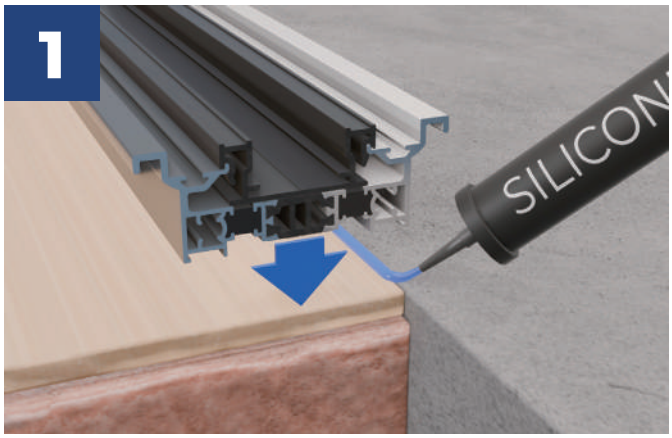
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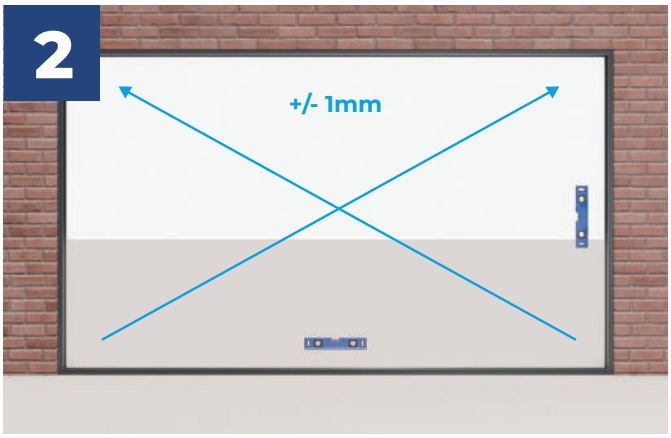
Fix as above using 4.3 x 35mm CSC PVCu screws. Ensure the screws do not break through into the patio internal rebate.

FIT FRAME & INSTALL FIXED SASH

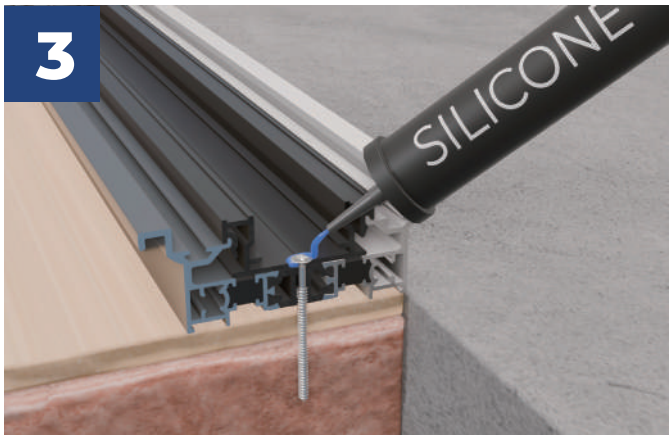




Add a damp-proof layer to prevent water ingress, running this 150mm up either side of the aperture. This needs integrating correctly with the structure's original damp proof course. Ensure the frame is level and sufficiently packed to support the patio along its full width. If the surface is uneven then a mortar bed bay be necessary. If a mortar bed is not required, then seal along the edge using silicone sealant as shown.



Position frame with sashes removed into the opening ensuring it's square and plumb, and pack accordingly using frame packers. Also check diagonals are within +/- 1mm.



Once you have positioned the frame and made sure it's level, drill & fit through the centre of the thermal break as shown above, using suitable fixings, at the positions shown in point 4. Apply a small amount of silicone to fixings to prevent water ingress.



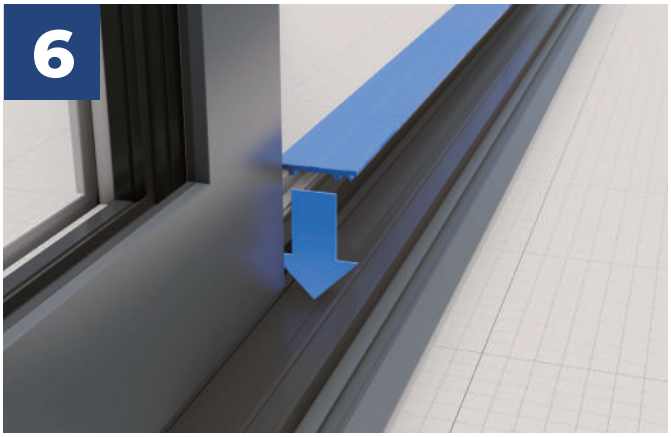
Drill and fix the frame at 150mm from each end, and no more than 600mm between centres. Fit packers at the same locations. Seal the bottom fixing locations to prevent water ingress.

5



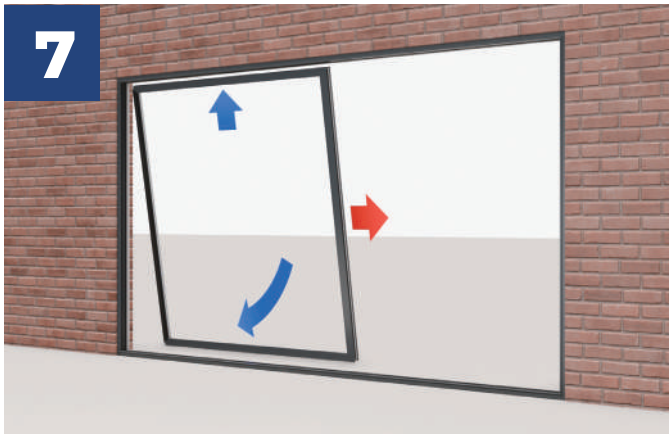
Fix through the thermal break as shown (jambs and head).

6



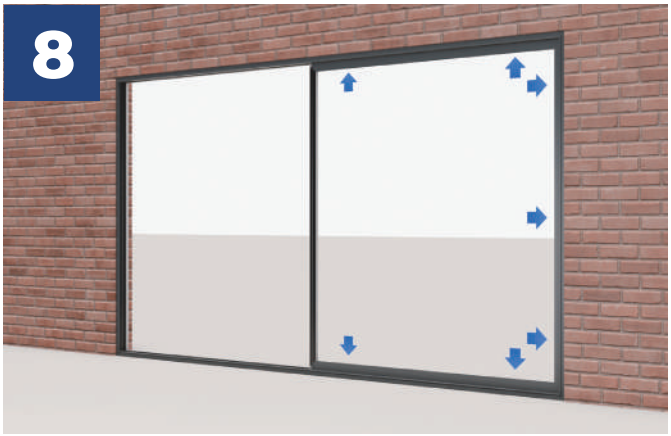
Fit cover strip into drainage channel.

7



Insert the fixed light from the inside if external sliding door, starting at the opposite end to its finished position. Insert head first as per blue arrow, then slide across into position over sash locator as per red arrow. Ensure beads are on the inside.

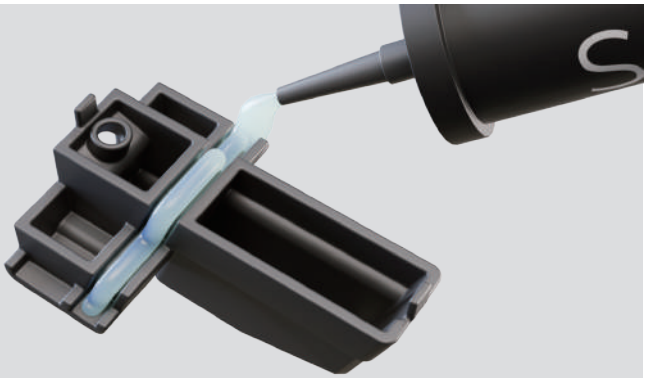
8



Fix 100mm from corners at no greater than 1000mm centres using 4.8 x 55mm long screws.

9

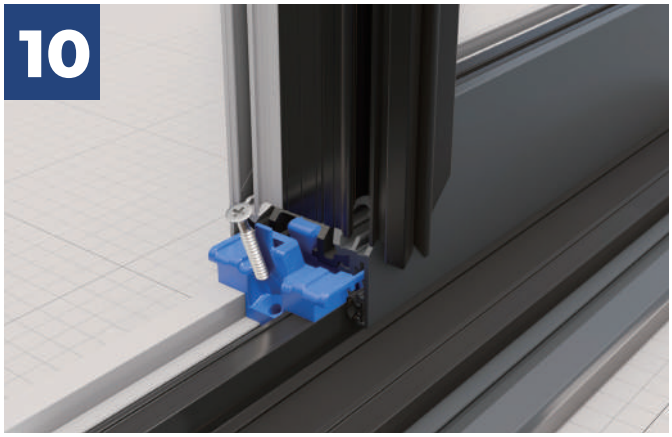




SGP503
FIXED SASH CORNER DAM

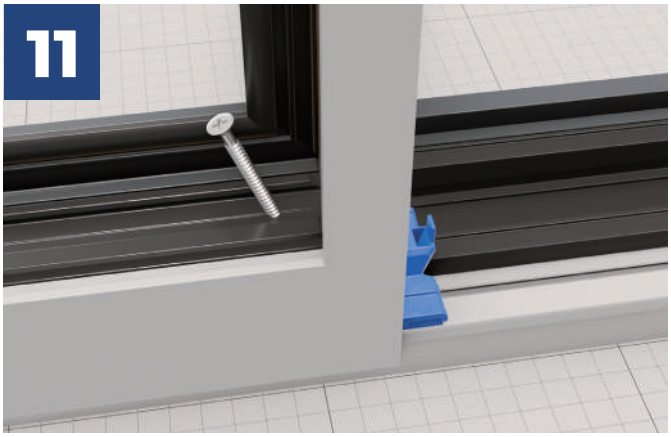
Silicone seal underside of fixed sash corner dam before fitting.

10



Fix the fixed sash corner dams using a 3.9 x 16mm screw. Repeat top & bottom.

11



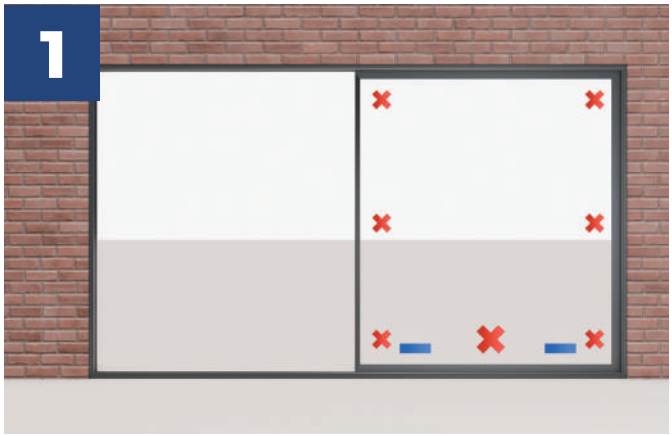
Also fix from the other side 25mm back from corner using ??? x ???mm screw. Repeat top & bottom.

GLAZING - FIXED SASH

Remove beads carefully and place them to one side to ensure they can be returned to their original positions in the correct order. Ensure all gaskets are inserted into each bead before glazing.
Install the glazed unit and pack as shown using 3-4mm glazing packers (sizes may vary due to glass and door manufacturing tolerances).



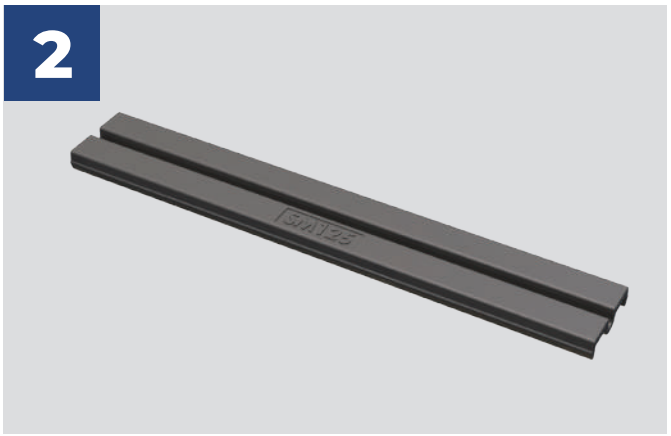
1



Start by glazing the fixed sash.
See packer positions below.

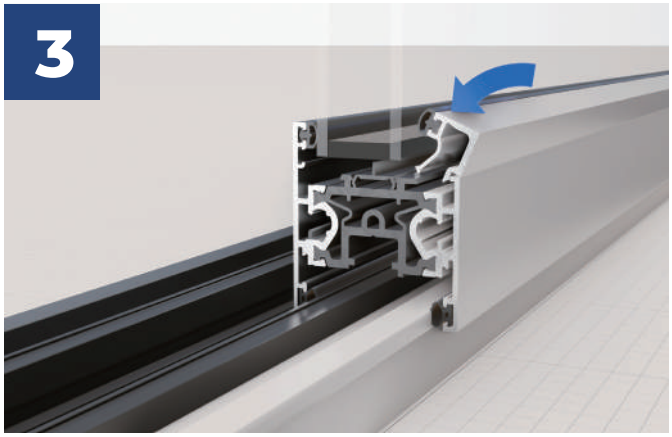
Load bearing packer Pack square*

2



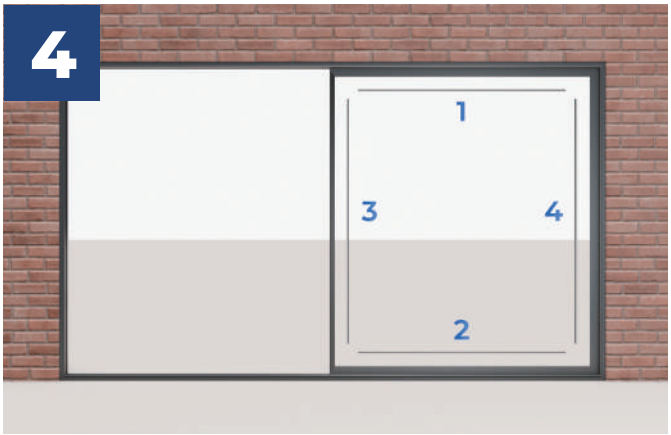
Ensure SM125 glazing platforms are used under the load bearing packer locations in step 1.

3



We advise spraying the unit with a mild soap/water mixture or glass cleaner to make beading easier. Ensure you have packed the unit correctly as shown previously. Fit the top bead in place to secure the glazed unit (rotating the beads until they clip into place as shown above). Next, fit the bottom bead.

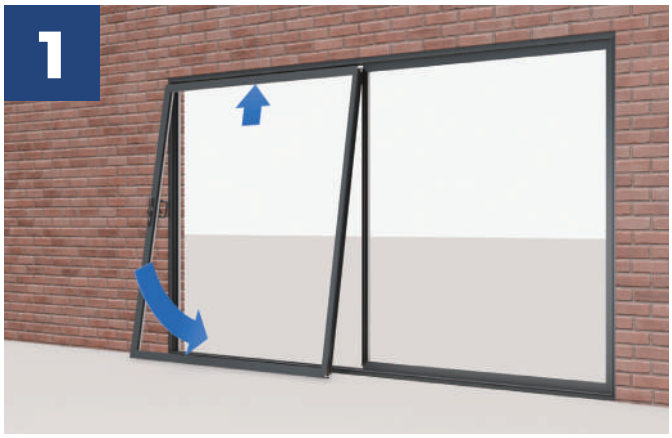
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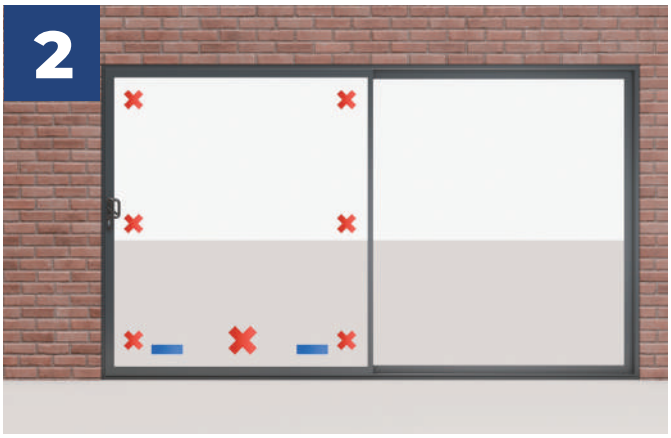
Next, fit the vertical beads, being careful not to scratch the painted profile while fitting. Finally run your finger along the gasket edge to check they have seated correctly, adjusting if required.

GLAZING - SLIDING SASH



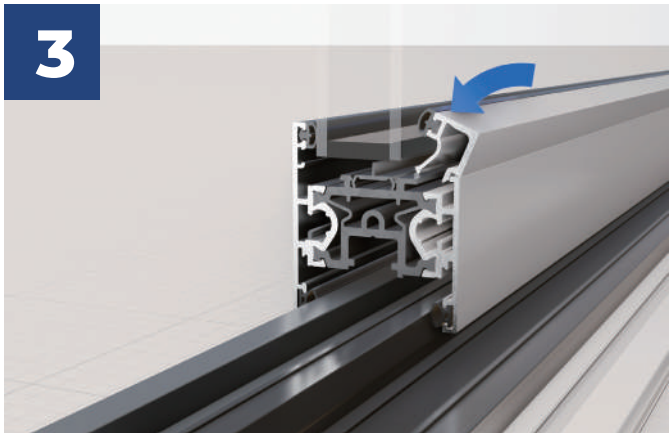


Insert the sliding sash head-first as per the blue arrows, from the outside if externally sliding. Ensure beads are on the inside.

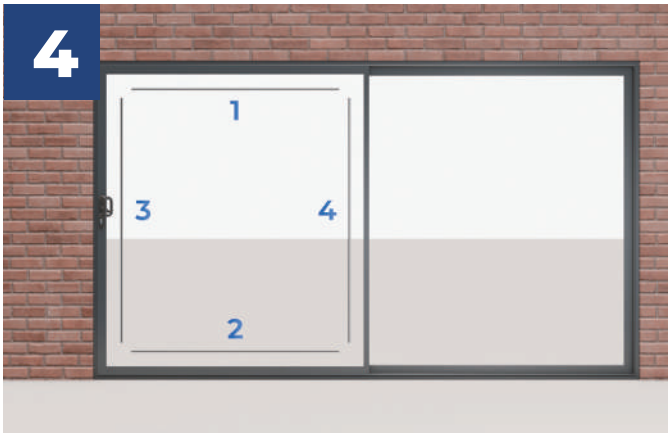


If additional roller set is fitted, add additional packer at X to pack square.
**additional packers may be required on taller doors where there is an additional locking point.*

Load bearing packer Pack square*



We advise spraying the unit with a mild soap/water mixture or glass cleaner to make beading easier. Ensure you have packed the unit correctly as shown previously. Fit the top bead in place to secure the glazed unit (rotating the beads until they clip into place as shown above). Next, fit the bottom bead.



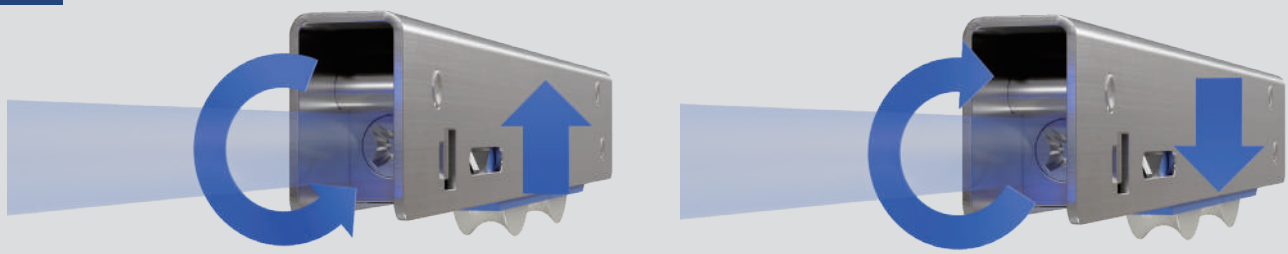
Next, fit the vertical beads, being careful not to scratch the painted profile while fitting. Finally run your finger along the gasket edge to check they have seated correctly, adjusting if required.

ROLLER ADJUSTMENT

1 Once the sashes are glazed the rollers can be adjusted using a PH2 bit.

2 Turn the screw anticlockwise to adjust up and clockwise to adjust down.

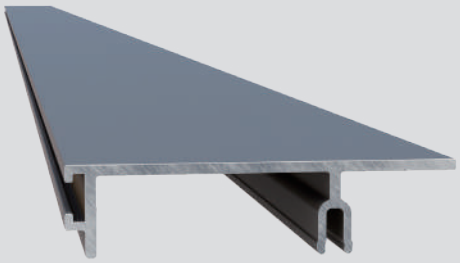
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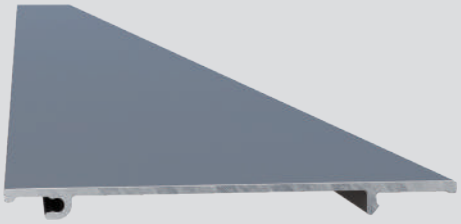
Adjust the sash so that there is equal cover top and bottom.

TRIMMING THE PATIO

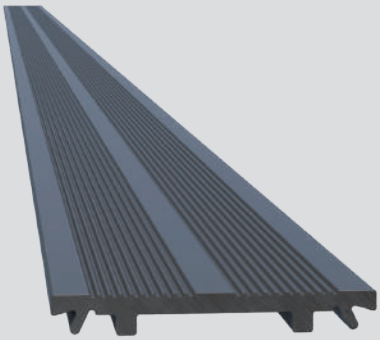
Parts required



SGP010 FRAME TRIM
x1 heights, width x2



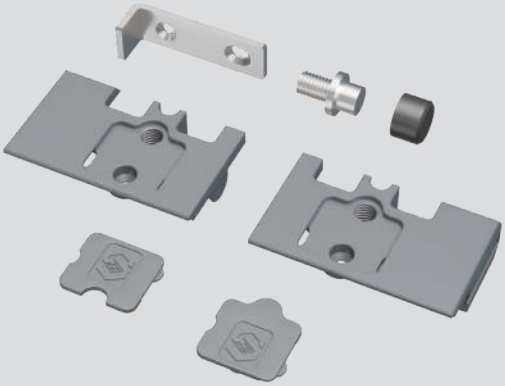
SGP050 INTERLOCK TRIM
x2



SA510 LOW THRESHOLD COVER STRIP
x2 width, x2 heights



PATIO OUTER FRAME / SASH

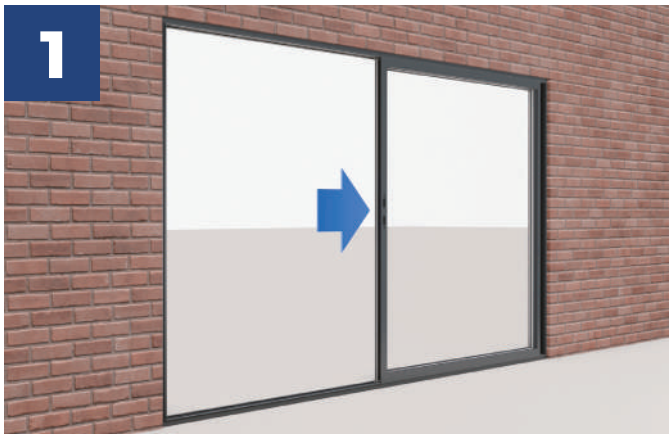


SGP600 SHEERGLIDE HARDWARE KIT
(pair)



SGP502 FIXED SASH LOCATOR
x2

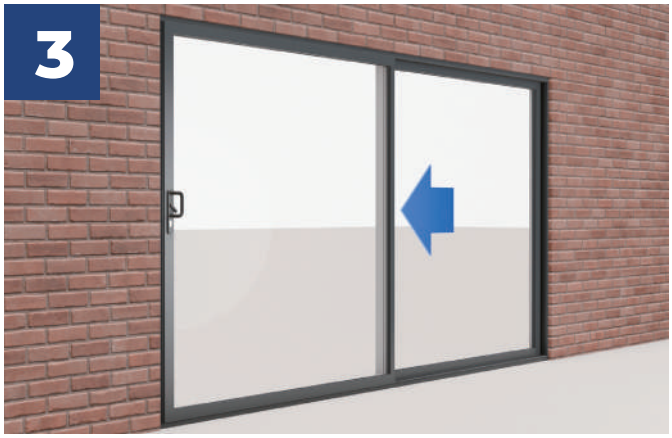
TRIMMING FIXED & SLIDING SASHES



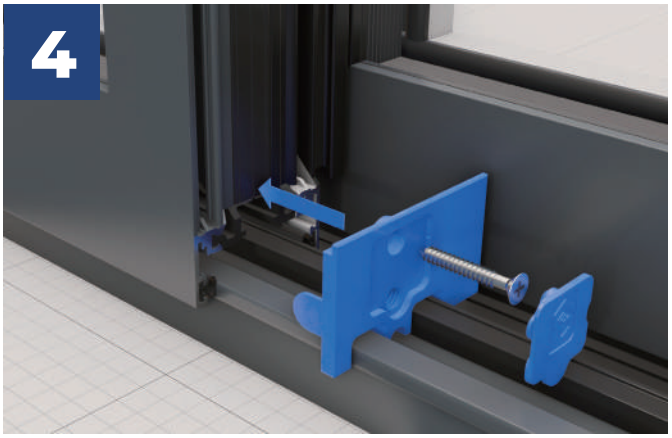
First remove the handle set and slide the opening sash as far as possible over the fixed.



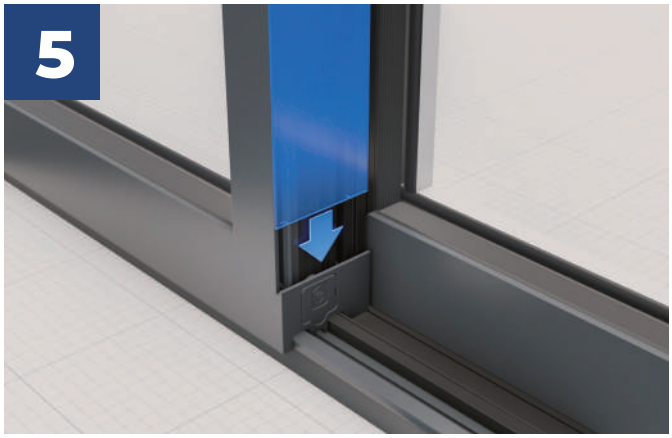
Fix a SGP503 fixed sash locator to the head close to the sliding sash as shown using 3.9 x 30mm screws.



Replace the handle set and slide the opening sash into the closed position.



Fit SGP600 hardware kit to bottom of the sliding sash at the interlock side as shown, using 4.3 x 25mm screws.

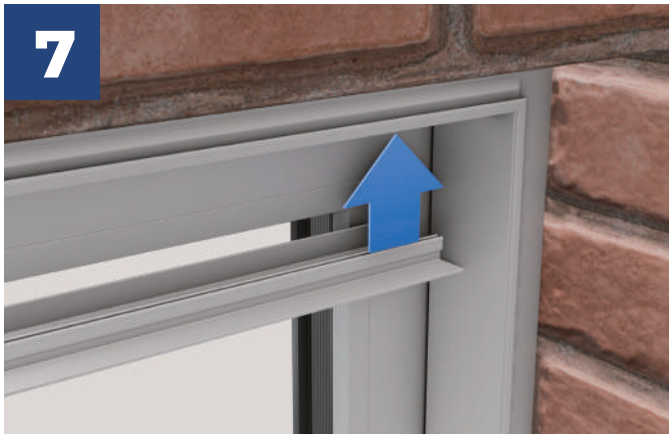


Fit interlock cover trim of sliding sash. Push down into the SGP600 hardware kit as shown.

NOTE: if you have square cut interlock trim and extra castings repeat steps 4, 5 & 6 for the fixed sash side.



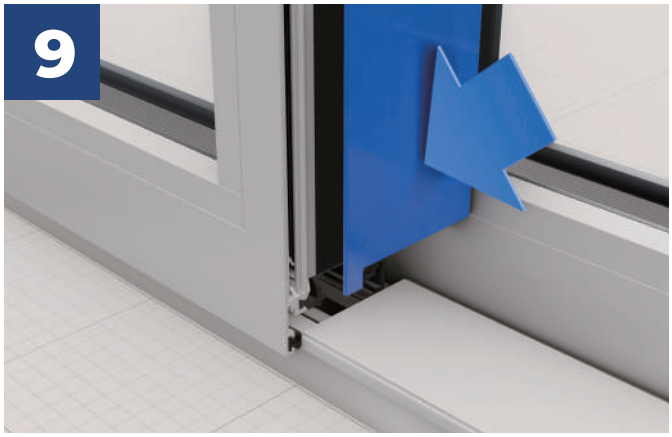
Fit hardware kit to top of the sliding sash at interlock side as shown, using 4.3 x 25mm screws, trapping the interlock cover.



Fit frame trim to head.



Fit frame trim to bottom.



Fit interlock cover trim to the fixed sash.



Fit jamb trim to opening side and fixed side.

PRE-ASSEMBLED PATIO

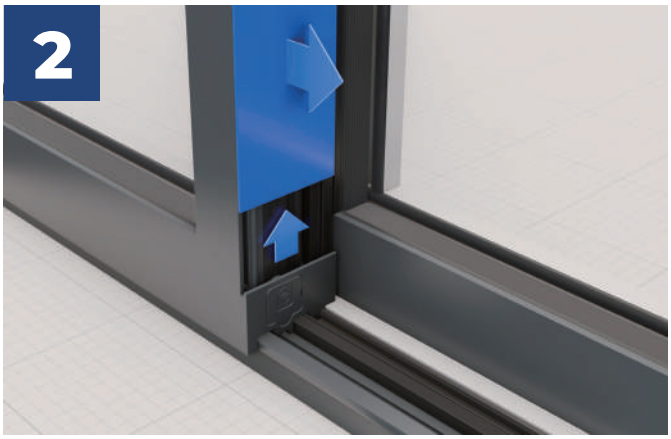
Before fitting
Removing sliding sashes

1



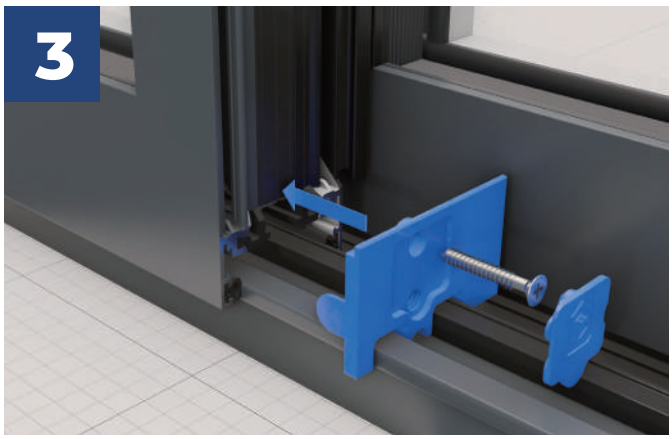
Remove cover of the sliding sash top hardware kit, interlock side, and unscrew to remove.

2



Remove interlock cover trim on sliding sash.

3



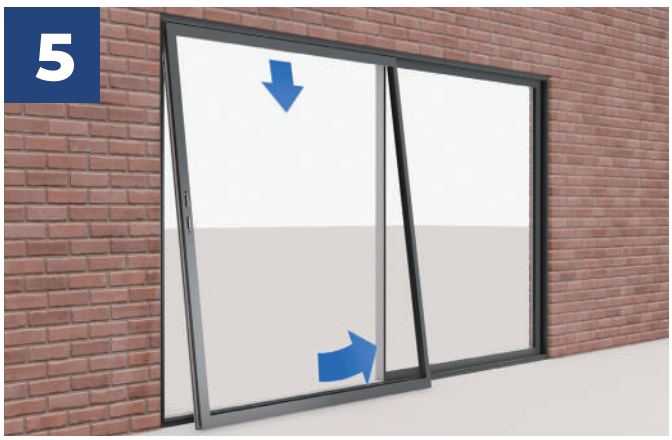
Remove the bottom hardware kit.

4



Remove handle set and unscrew the SGP502 fixed sash locator near the interlock.

5

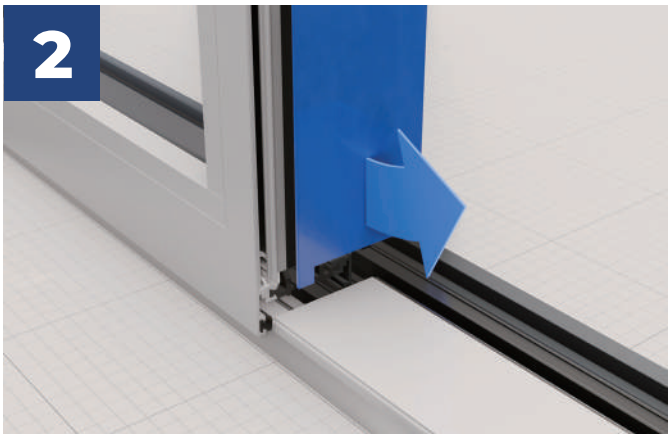


Lift out sliding sash.

REMOVING FIXED SASH



Remove jamb trim on sliding side.

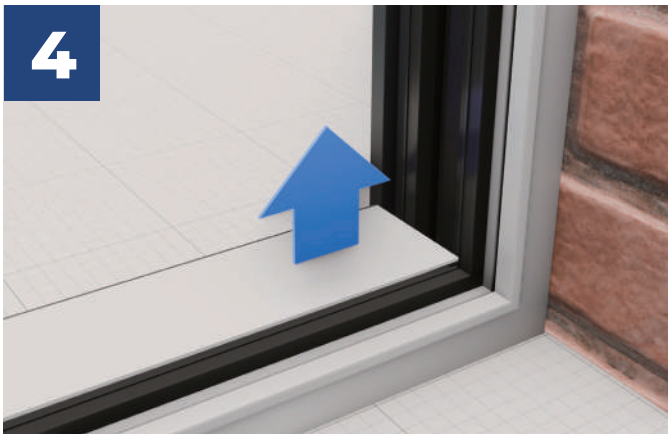


Remove interlock cover trim from fixed sash.

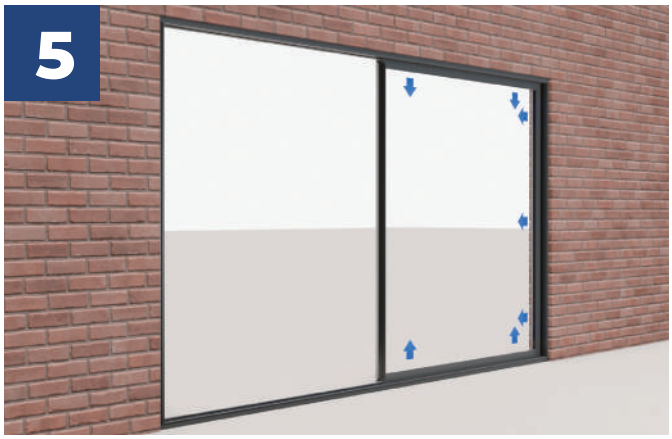
TIP: the Sheerline deglazing tool is also useful for removing trims



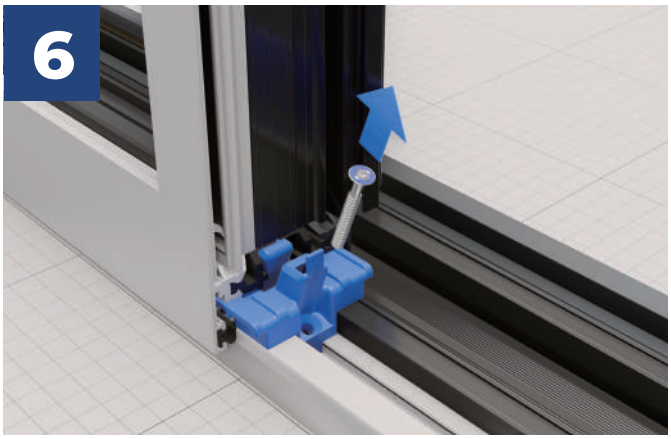
Remove head frame trim on sliding side.



Remove interlock cover trim from fixed sash.

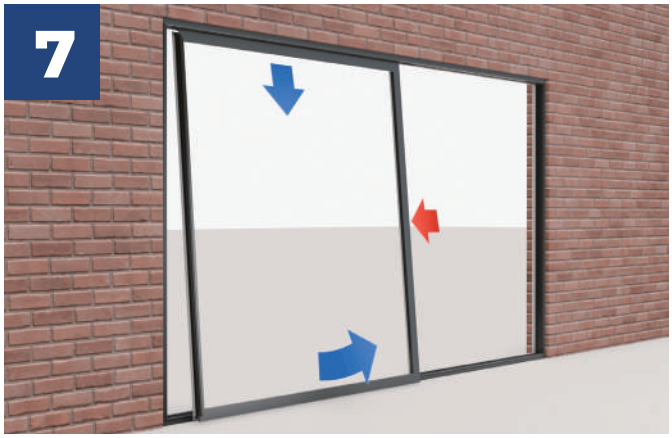


Remove fixed sash screws in glazing area.



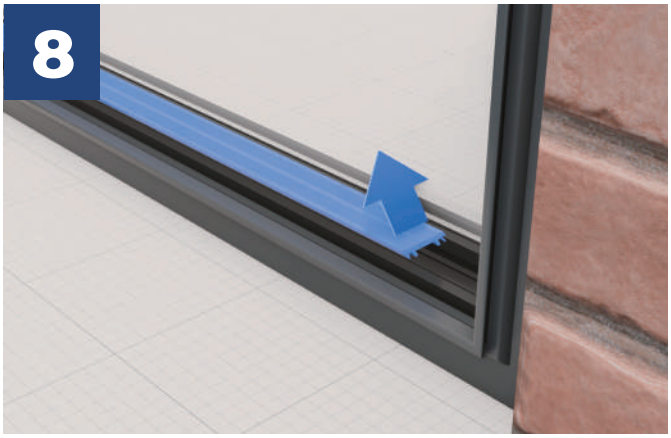
Remove SGP503 fixed sash corner dam - top and bottom.

7



Slide fixed sash towards lock side (red arrow) before removing.

8



If fitted remove SA510 cover strip from the drainage channel before fixing.

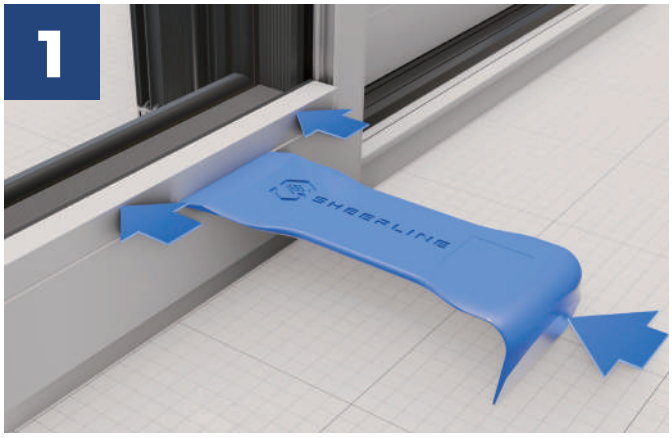
9 Remove button trim if fitted (4-pane only).

10 Continue installation by fixing frame as shown on page 7 and follow the rest of the process from there.

OPTIONAL

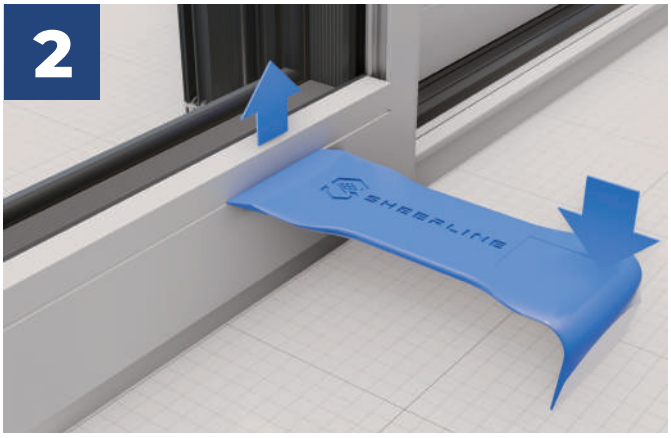
BEAD REMOVAL

1



Push on upper edge of bead to tilt it backwards and allow the deglazing tool to be slid between the bead and sash profile.

2



Push down on tool to disengage bead.



SHEERLINE DEGLAZING TOOL

EXTERNAL FINISHING & FINAL CHECKS



1

Break off any protruding packers where possible.

2

Remove protective tape from all profiles. Clean down aluminium and glass with warm soapy water.

3

An expanding foam can be used to fill any large apertures around the frame. Be careful not to overfill. Now trim silicone around outer frame and seal below external cill if applicable.

4

Check patio for correct function, and instruct the end user on its correct function. Adjust if required - see page 12 - *roller adjustment.*

5 PATIO OPERATION





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ALUMINIUM WINDOWS AND DOORS

THERMLOCK®