

INSTALLATION

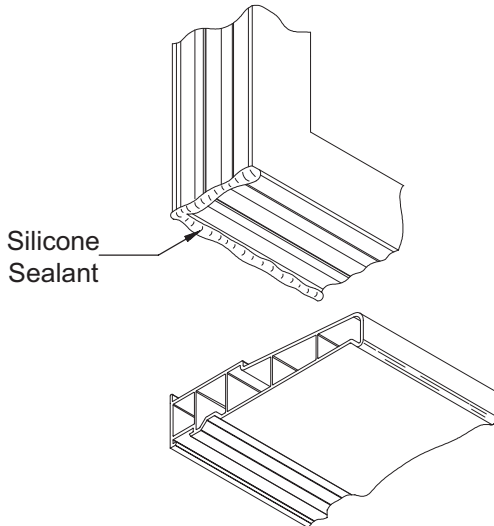
IMPORTANT

Ensure these instructions are supplied to the patio installer.

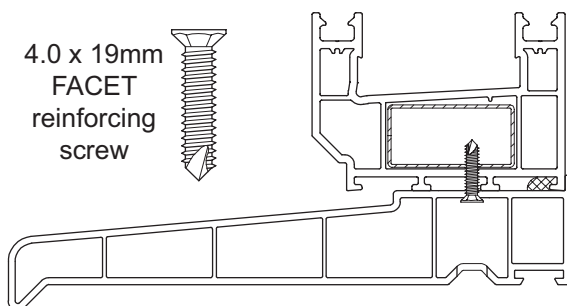
CILL FIXING

Cut the cill to length (including horns if required).

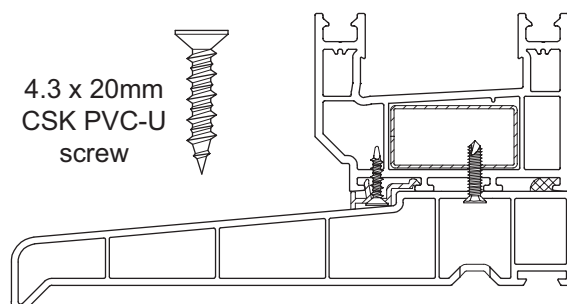
Apply a bead of sealant to the bottom of the outer frame as shown below.



Counterbore the underside of the cill to allow screw clearance. Fix the cill onto the outer frame using 4.0 x 19mm FACET reinforcing screws 150mm from the ends and then at 300mm centres as shown below.

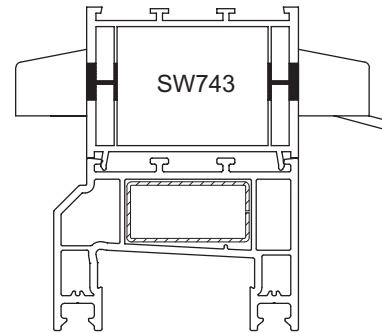


When installing 3 pane or 4 pane patios it is necessary to use the SWR272 cill packer. Pre-drill 5mm diameter holes through the cill packer 50mm from each end and then at 600mm centres. Fix the cill packer to the outer frame using 4.3 x 20mm CSK PVC-U screws as shown below.



HEAD VENT FIXING

The SW743 50mm stacking packer should be routed for the trickle vent in accordance with the manufacturers instructions. The packer is then clipped on to the head of the outer frame as shown below.



OUTER FRAME FIXING

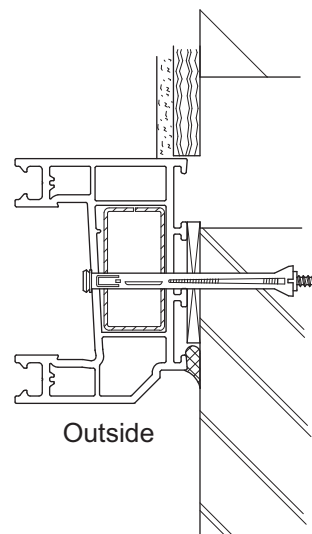
Check the new frame has been made to the correct size before removing the existing frame.

Check the prepared opening to ensure the correct dimensions have been allowed and the opening is square.

If the outer frame is to be assembled on site, please refer to page 9.1 for details.

Place the new frame into the opening, pack the cill to ensure it is level and the jambs and head are square.

Fix the frame using M10 x 75mm Fischer fixings or equivalent. Fix at 250mm centres from the corners with maximum centres of 600mm. Before finally tightening the frame, pack at the fixings using packers of the correct thickness.

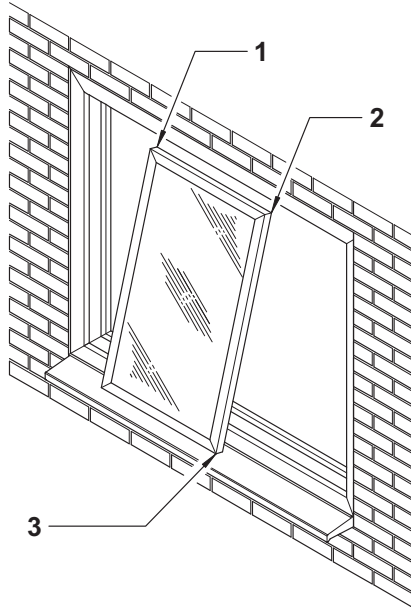


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SASH FIXING - FIXED SASH

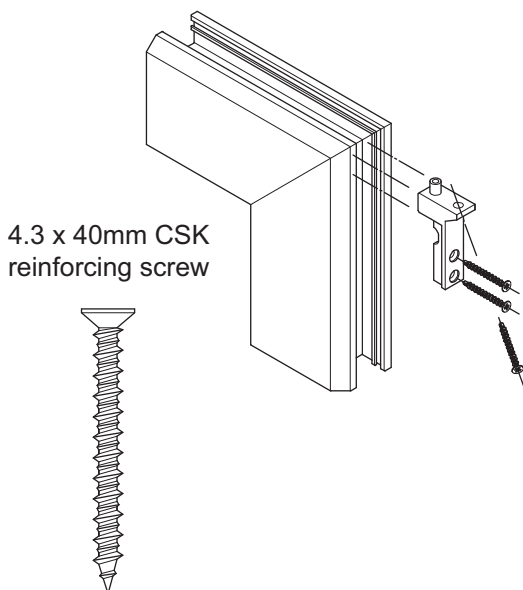
Sashes can be factory or site glazed. For glazing instructions see page 15.1.

Fit the fixed sash as shown below. Lift the sash head into the frame head (to the inner upstand). If installing a 3 pane patio, one fixed sash should be positioned on the outer upstand. The 700050 sash packers should already be fitted to the sash bottom and jamb as shown on page 12.1.



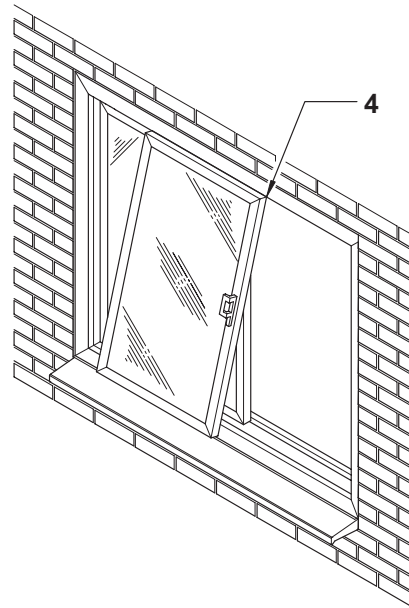
Fix the 700051 anti-lift block, **to the sash only**, in **position 1** shown above. Push the fixed sash tight into the jamb.

Fix the 700051 anti-lift block, **to the sash and outer frame**, in **positions 2 & 3** shown above using 4.3 x 40mm CSK reinforcing screws as shown below.

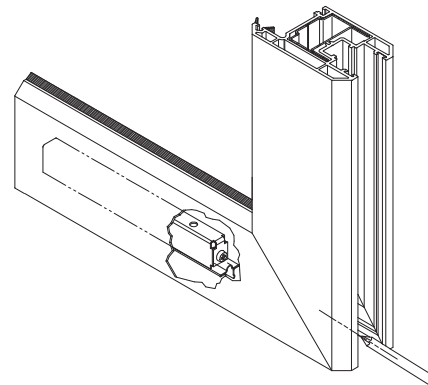


SASH FIXING - SLIDING SASH

Fit the sliding sash, again by placing the sash head into the frame head (to the outer upstand), and then over the patio track as shown below.

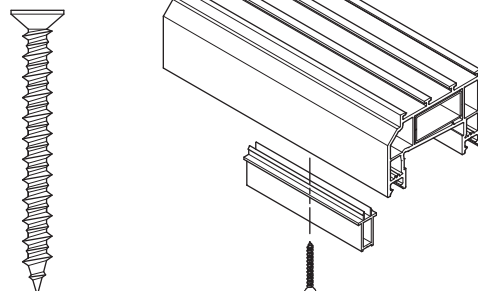


Adjust the rollers on the sliding sash, using a philips screw driver, as shown below, to ensure the sash is square to the frame jamb and to provide a smooth slide.



Push the sash to the fully open position (without the door stops fitted). Fit the 700068 anti-lift extrusion into the head, approximately 160mm from the centre of the interlocks as shown below using 4.3 x 40mm CSK reinforcing screws. Ensure the sash slides smoothly.

4.3 x 40mm CSK reinforcing screw

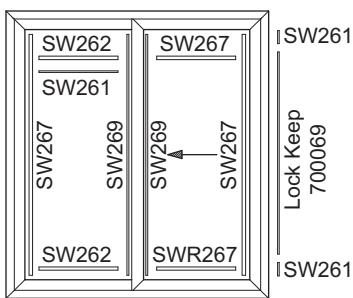


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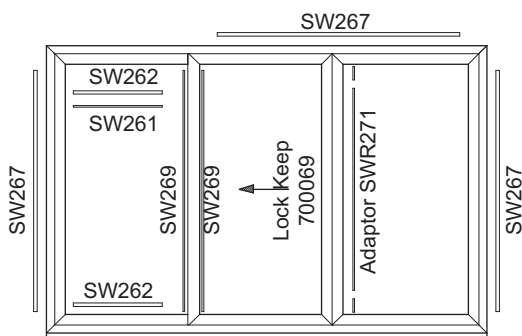
Cut the SW261 small clip cover to size and clip to the frame head, in front of the fixed sash. Fix the 700051 anti-lift block, **to the sash only**, in **position 4** as shown on the previous page.

ANCILLARIES - FITTING PROCEDURE

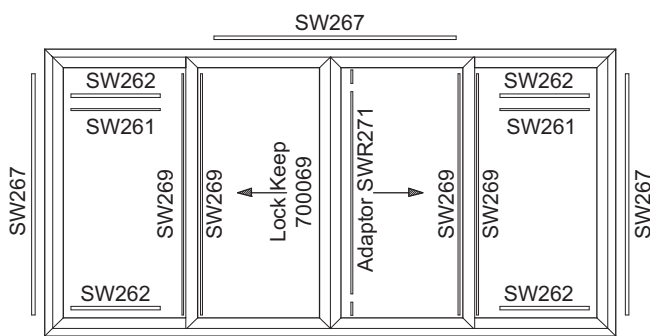
Each of the ancillaries are fitted in position as shown below, and in the correct order.



2 PANE PATIO (OX)



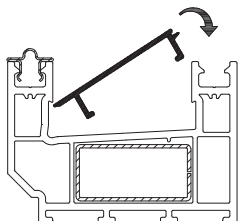
3 PANE PATIO (OXO)



4 PANE PATIO (OXXO)

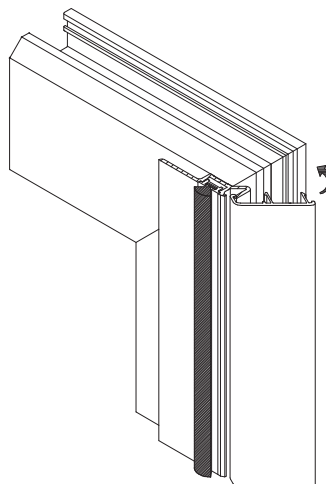
DRAINAGE COVER FIXING - SW262

Fit the SW262 drainage cover to the head and cill, at the fixed light position only, as shown below.



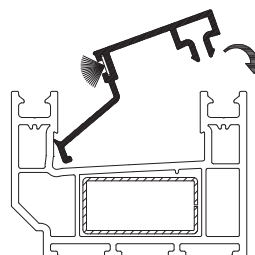
INTERLOCK COVER FIXING - SW269

Clip the SW269 interlock covers to both fixed and sliding sashes, as shown below, using a soft face mallet.



FRAME COVER FIXING - SW267

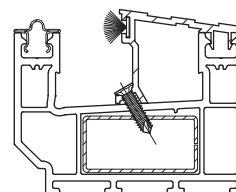
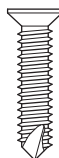
Slide the woolpile seal into the frame covers and clip-fix the SW267 frame covers to the jambs and head as shown below. Ensure the sash slides smoothly.



THRESHOLD FIXING - SWR267

Slide the woolpile seal into the threshold and fix the SWR267 threshold to the cill as shown below using 4.0 x 19mm FACET reinforcing screws. Ensure the sash slides smoothly.

4.0 x 19mm FACET reinforcing screw



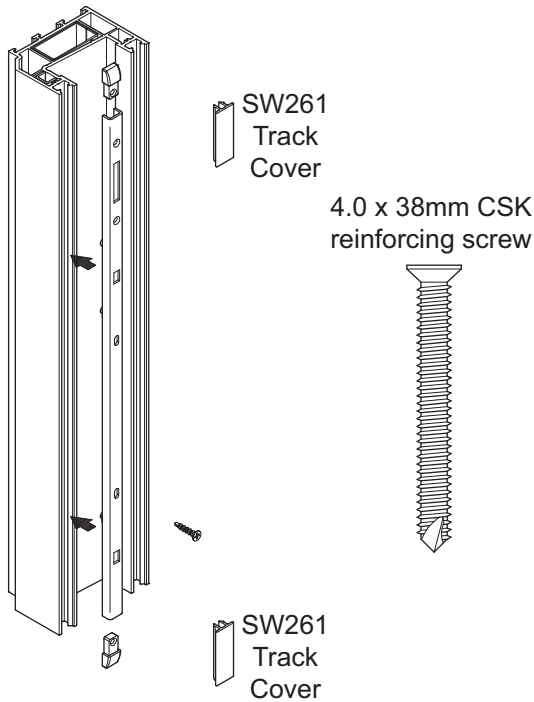
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LOCK KEEP FIXING - 700069

Position and fix the keep on the outer frame, through the slotted fixing holes, using 4.0 x 38mm CSK reinforcing screws.

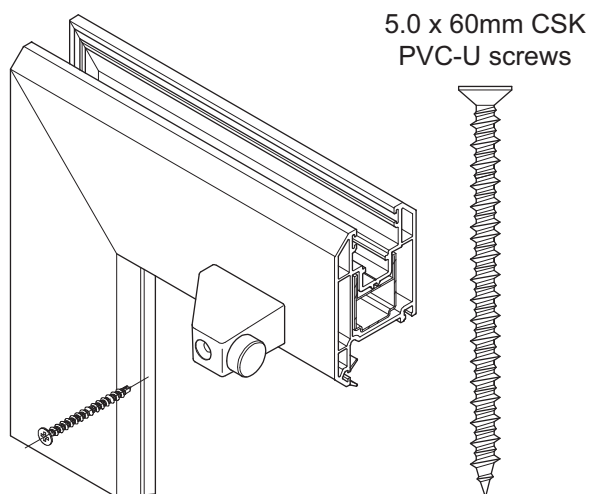
Check the correct function of the lock and keep and fix the keep to the outer frame, through the remaining holes, using 4.0 x 38mm CSK reinforcing screws as shown below.

Cut the SW261 small clip cover to size and clip to the lock jamb above and below the lock keep as shown below.



DOOR STOP FIXING - 700065

The fixed sash should already have been pre-drilled for the door stop spigot (see page 12.1). Screw fix the door stop to the fixed sash using 5.0 x 60mm CSK PVC-U screws as shown below.

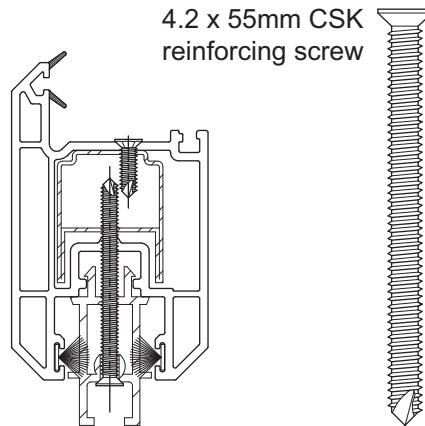


NOTE : If the sashes are woodgrain foiled, pre-drill the steel reinforcing using a 3mm drill bit.

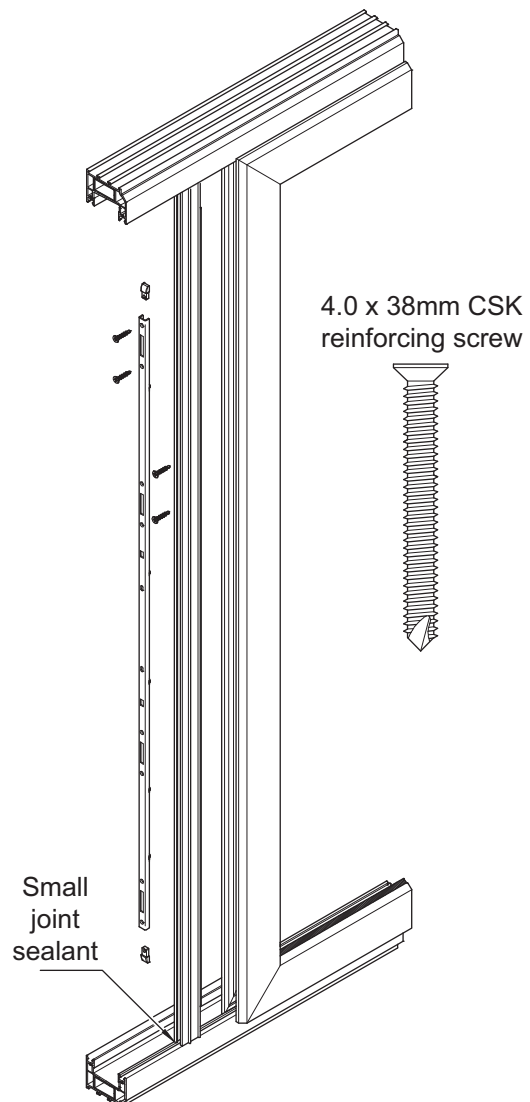
3 PANE PATIO INSTALLATION

3 PANE ADAPTOR FIXING - SWR271

Fix the SWR271 adaptor to the fixed sash on the outer upstand of the outer frame using 4.2 x 55mm CSK reinforcing screws as shown below.



The lock keep is fixed to the adaptor in a similar manner to that of the outer frame.



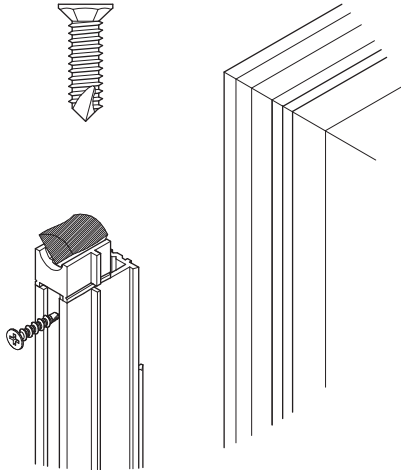
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4 PANE PATIO INSTALLATION

ADAPTOR BLOCK FIXING - 700047

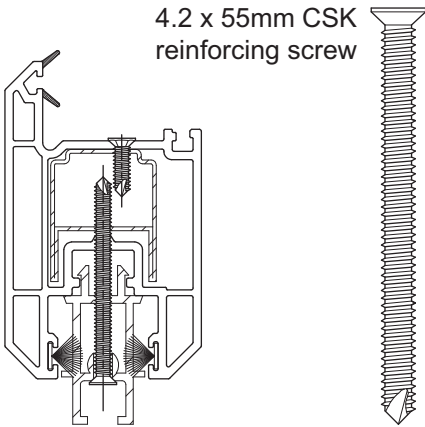
Fix the 700047 adaptor blocks to the top and bottom of the SWR271 adaptor using a 4.0 x 16mm FACET reinforcing screws as shown below.

4.0 x 16mm FACET
reinforcing screw

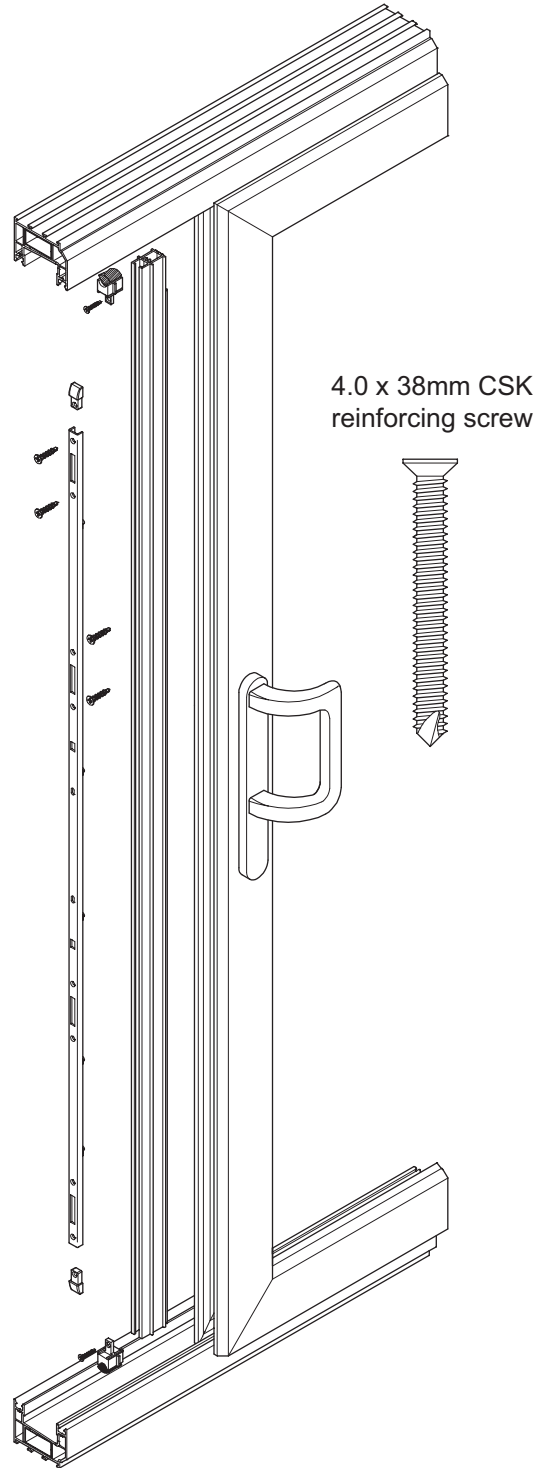


Fix the SWR271 adaptor to the sliding sash allowing a clearance of approximately 2mm between the adaptor block and the top of the frame using 4.2 x 55mm CSK reinforcing screws as shown below.

4.2 x 55mm CSK
reinforcing screw



The lock keep is fixed to the adaptor in a similar manner to that of the outer frame.

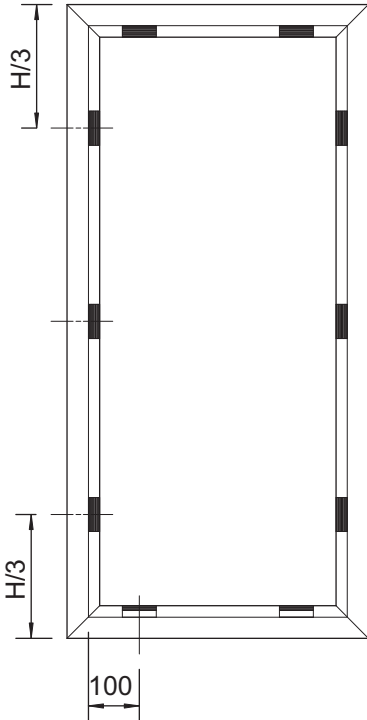




GLAZING

GLASS PACKING

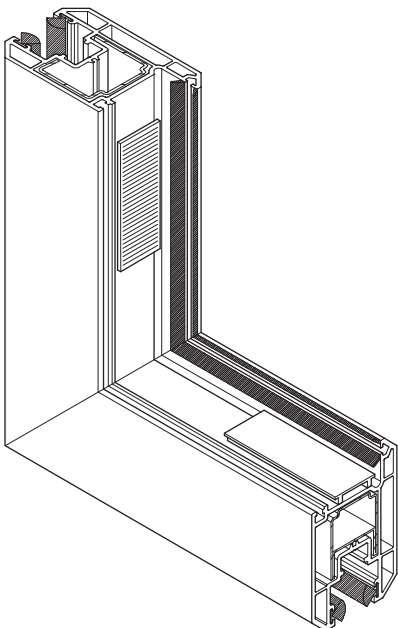
All glazing should be in accordance with BS6262 and all current codes of practice.

Position the glazing packers in all sashes as shown below.

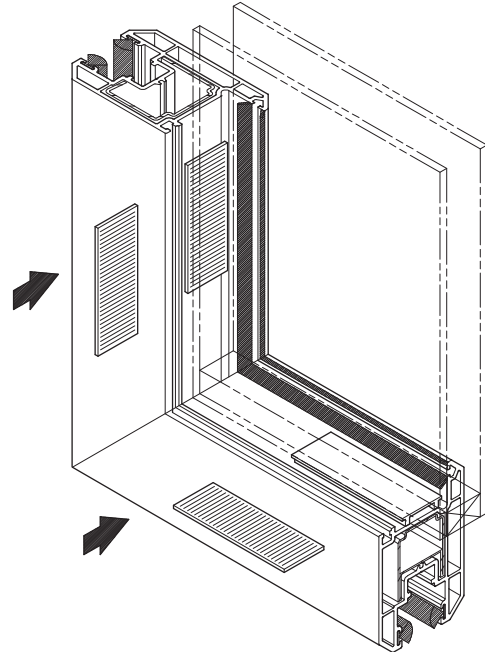


-  Bridge Packer (Cill Rail Only)
-  Glazing Packer

Position and silicone in place bridge packers and glazing packers as shown below, ensuring that the bridge packers do not block drainage paths.



Lift the glass carefully into the sashes. Using a glazing paddle, insert a packer of the required thickness to support the glass, as shown below.



If using mitred beads, fit the shorter of the glazing beads first. These can be fitted into position with a soft faced mallet as shown below.

When fitting the longer glazing beads, it will be necessary to insert one corner then deflect the bead sufficiently to fit the other corner. The bead can then be fitted into position with the mallet.

