

For Installer



Assembly Guide
TecTURA Door

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WARNING: DO NOT LEAVE KEYS IN LOCK AS DAMAGE WILL BE CAUSED ON CLOSING

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Essential Instructions

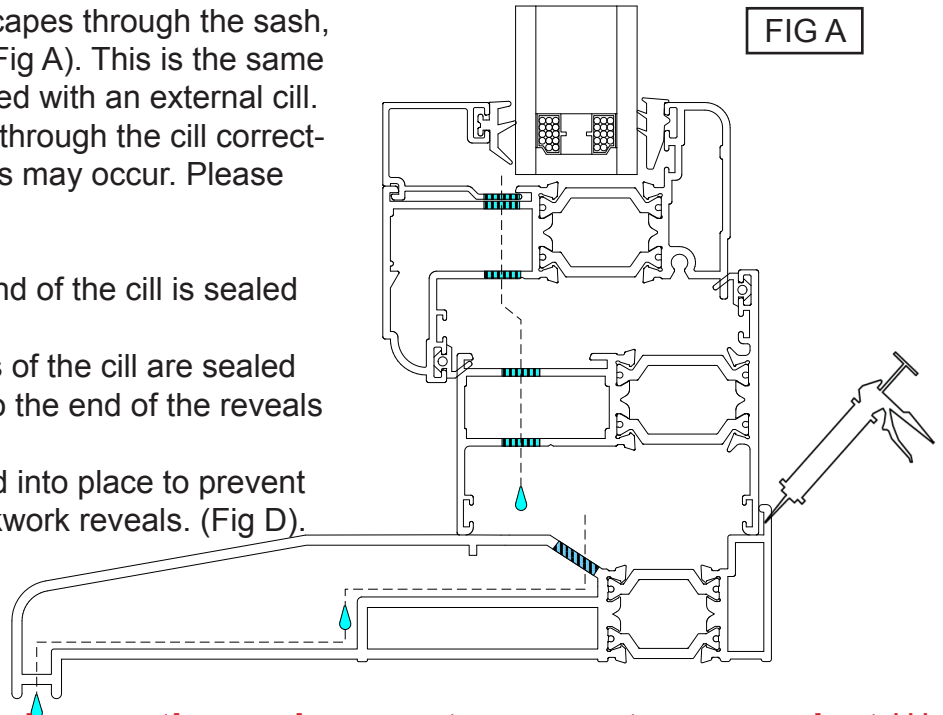
CILL - HEAD - JAMBS must be fitted dead level and square or doors will not operate correctly. Make sure the doors are toe and heeled correctly. See pages 11-18.

CILLS MUST BE SEALED AS SHOWN

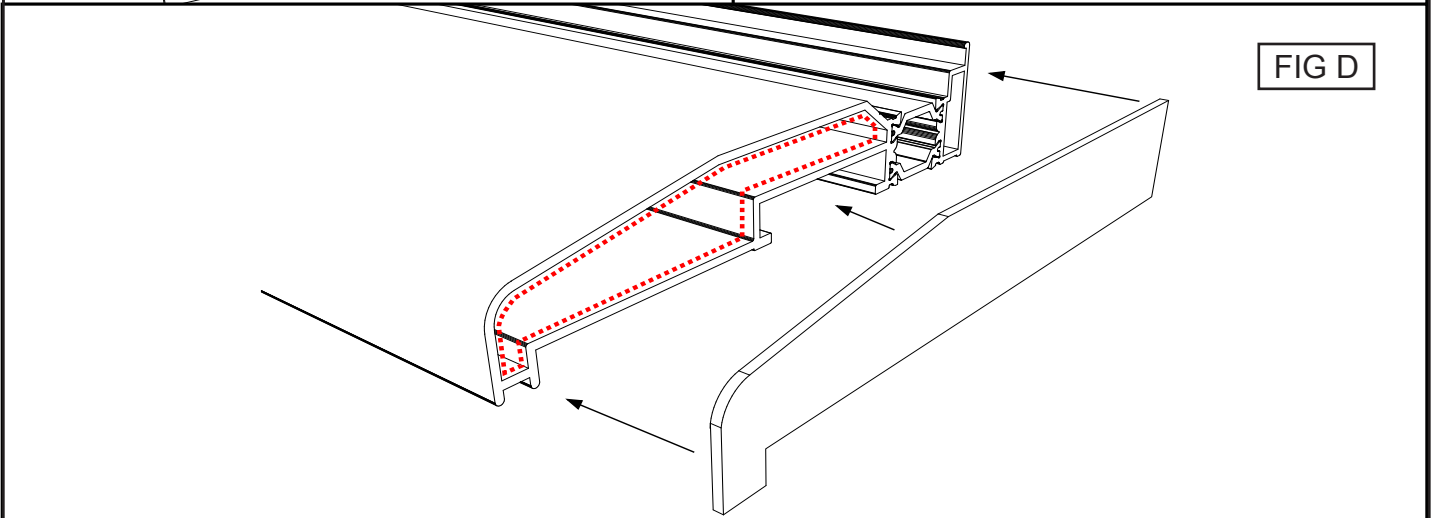
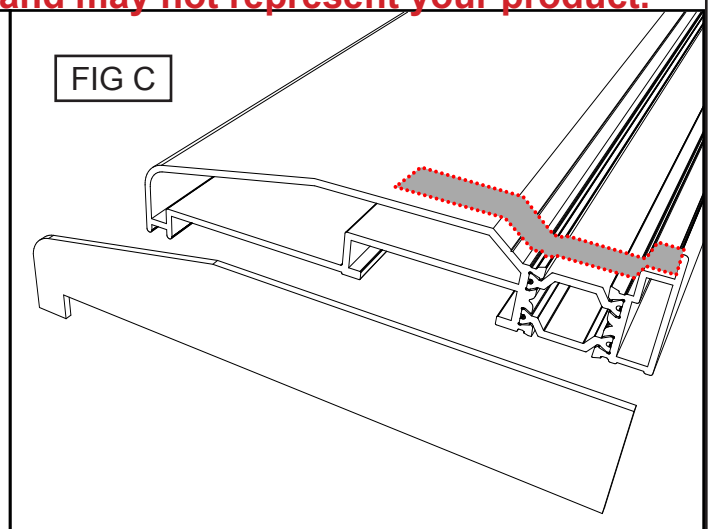
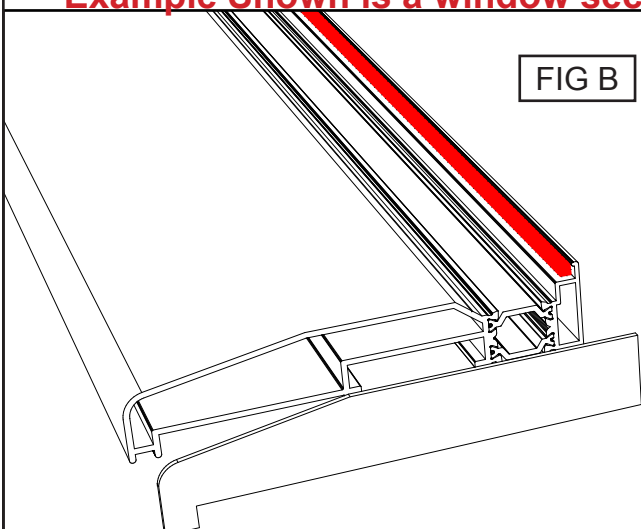
All products supplied with an external cill are designed with concealed drainage. This avoids the using unsightly face drainage caps. It is however ****imperative**** that all external cills are sealed correctly to the frame, to prevent water ingress into the property.

By design all residual water escapes through the sash, frame and then cill as shown. (Fig A). This is the same for ****ALL PRODUCTS**** supplied with an external cill. Unless the water is channelled through the cill correctly by sealing critical areas, leaks may occur. Please ensure:

1. The full length of the up-stand of the cill is sealed (Fig B).
2. The left and right hand ends of the cill are sealed to prevent water travelling to the end of the reveals (Fig C).
3. The end cap must be sealed into place to prevent water traveling into the brickwork reveals. (Fig D).



*****Example Shown is a window section and may not represent your product.*****

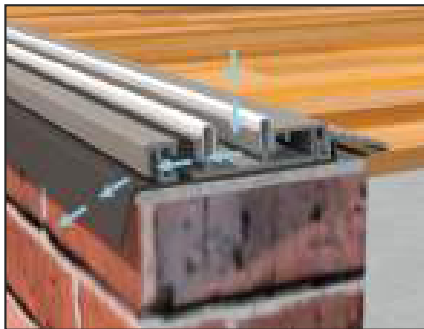


Drainage

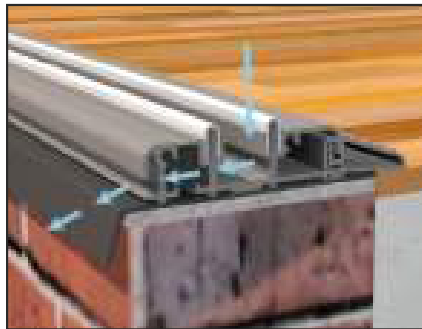
When installing a bifold, drainage paths for the threshold need to be taken into consideration.

Please discuss drainage with the installer, homeowner and installer of the external flooring.

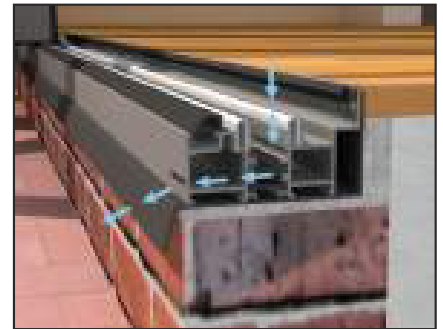
The below images depict an example of each threshold and its drainage path.



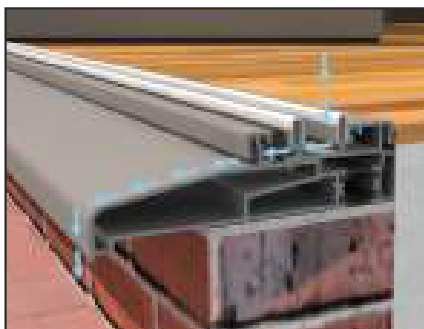
15mm Low Threshold



20mm Low Threshold



Standard Threshold (Open out)



15mm Low Threshold With Cill



20mm Low Threshold With Cill



Standard Threshold With Cill (Open out)



Standard Threshold (Open in)



Standard Threshold With Cill (Open in)

Outer Frame Assembly

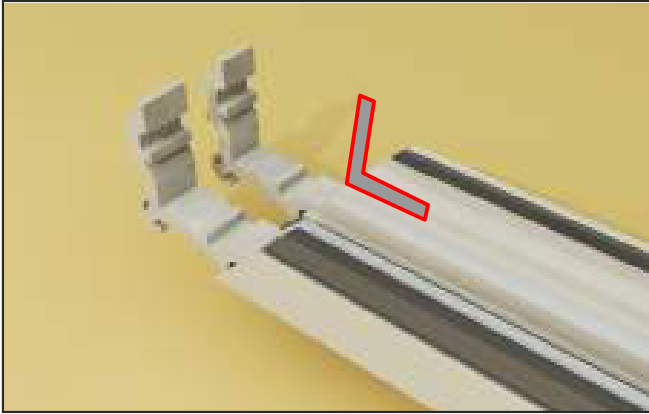
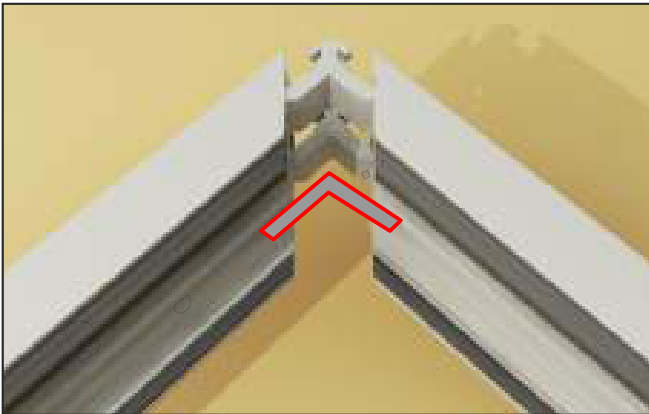


Image to the left shows the positioning of the cleats once in the frame. Ensure steel chevron is fitted in slot.

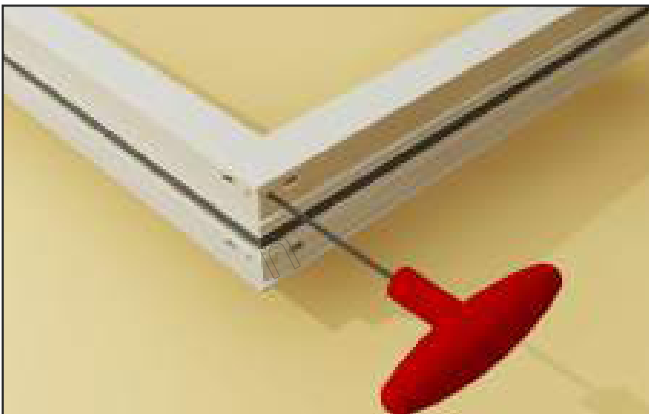
The thicker cleat is placed on the door opening side.

The slimmer cleat is placed on the opposite side (rebated side).

Use a 2.5mm allen key to tighten inserted blocks.



Make sure the mitre is sealed with silicone or small gap sealer before assembling.



Insert the blocks with the allen key screw facing the round hole.
Use a 2.5mm allen key to tighten up the mitre.

Make sure you have sealed the mitre with silicone or small gap sealer.

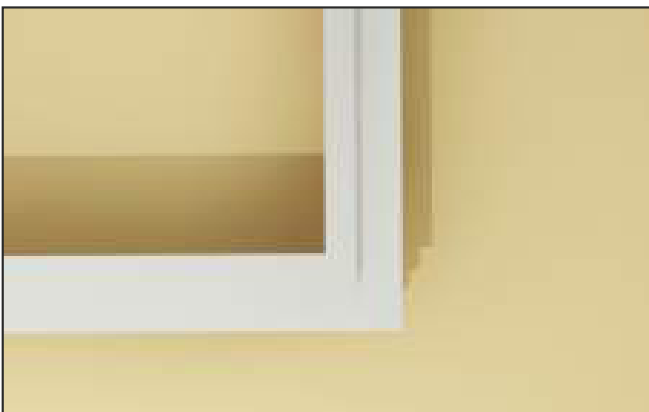
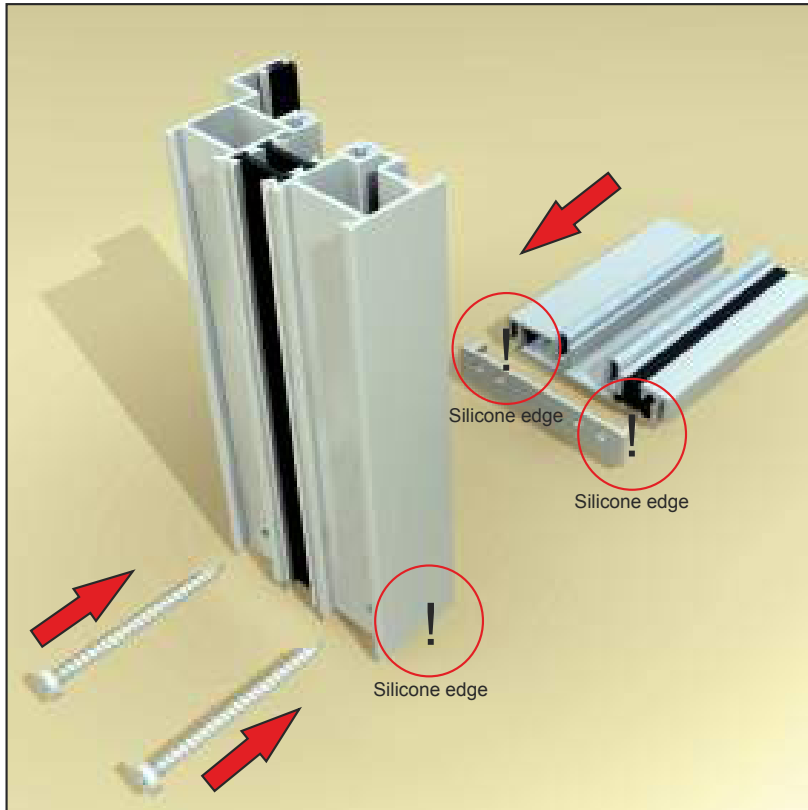


Image shows how the mitre will look once assembled correctly. The frame corners should have no steps and the joints fully closed.

Low Threshold Assembly

15mm Low Threshold



Silicone end plate to the low threshold.

Position low threshold and end plate up against the rebated frame.

Make sure to silicone all edges.

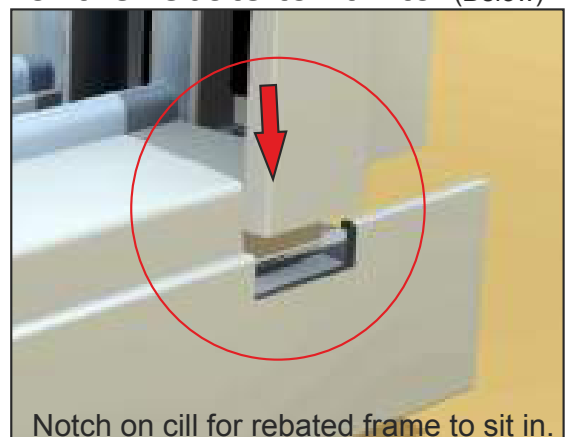
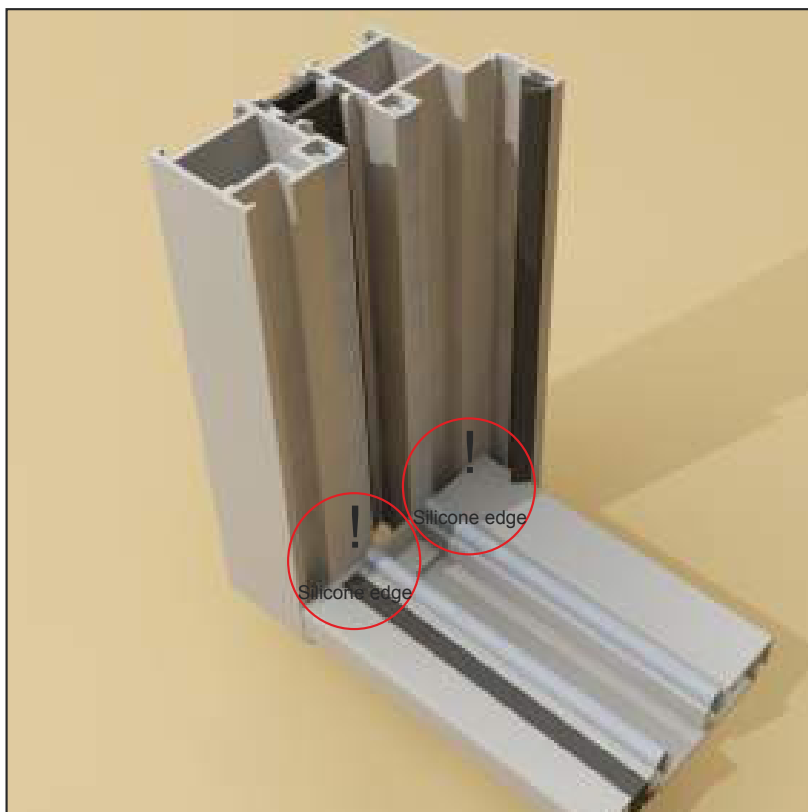
Tighten fixings evenly.

Important:

Remember to silicone each corner joint before final fix.

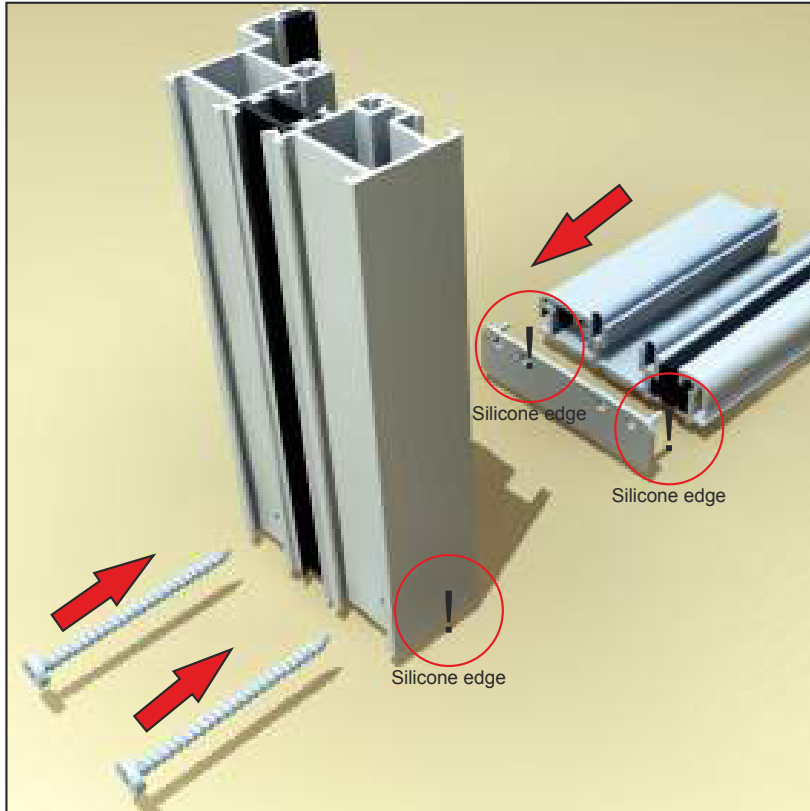
Once assembled finally pump silicone into any spaces between the threshold and frame.

When fitting a cill with this style of threshold you may be required to notch out an area for the rebate to fit into. (Below)



Low Threshold Assembly

20mm Low Threshold



Silicone end plate to the low threshold.

Position low threshold and end plate up against the rebated frame.

Make sure to silicone all edges.

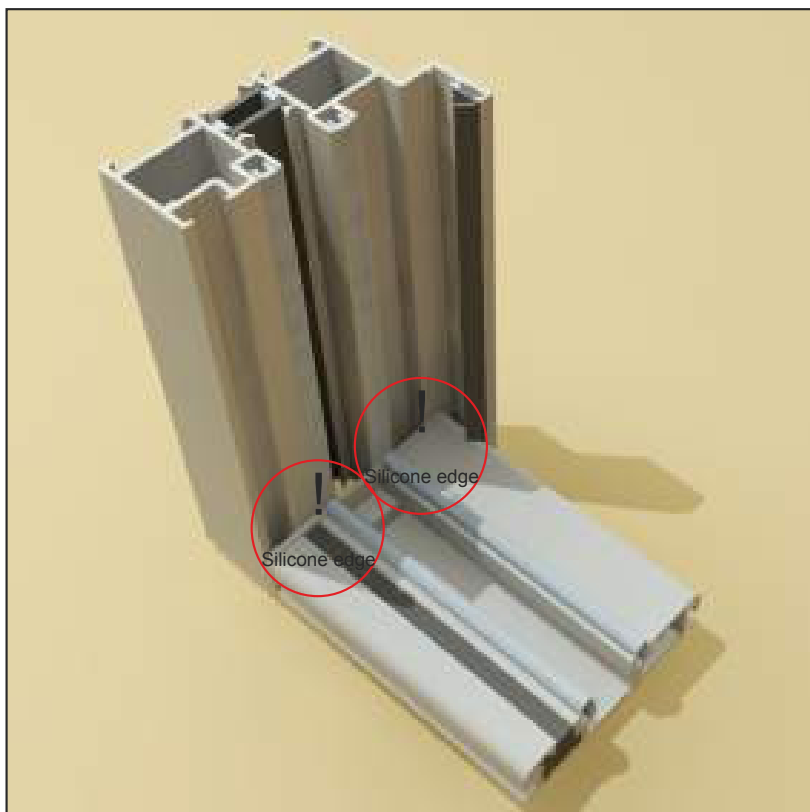
Tighten fixings evenly.

Important:

Remember to silicone each corner joint before final fix.

Once assembled finally pump silicone into any spaces between the threshold and frame.

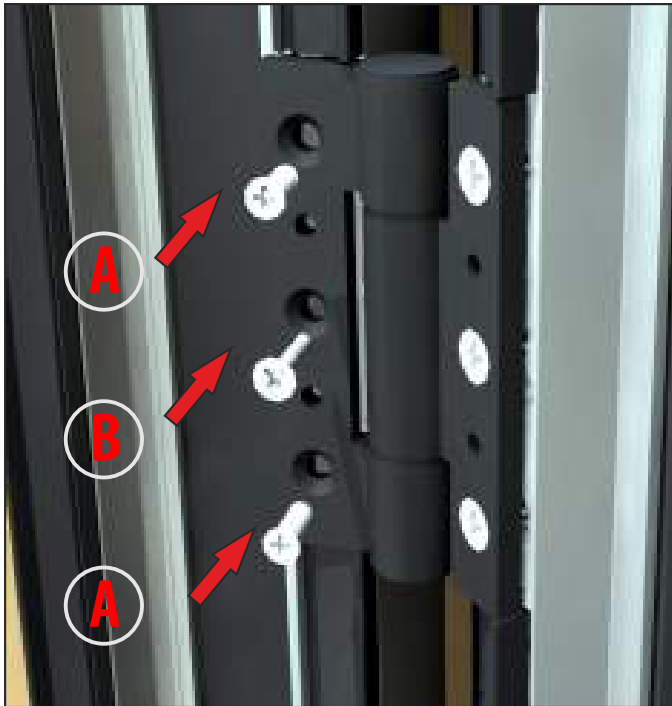
When fitting a cill with this style of threshold you may be required to notch out an area for the rebate to fit into. (Below)



WARNING: DO NOT LEAVE KEYS IN LOCK AS DAMAGE WILL BE CAUSED ON CLOSING

Hinges

Hinge



The holes for the hinges will have been pre-drilled at the factory. Line up hinges and machine screws (A- M5 X 10) with the pre-drilled holes on the back plate.

This must be done before the doors are glazed. Insert top and bottom machine screws first.

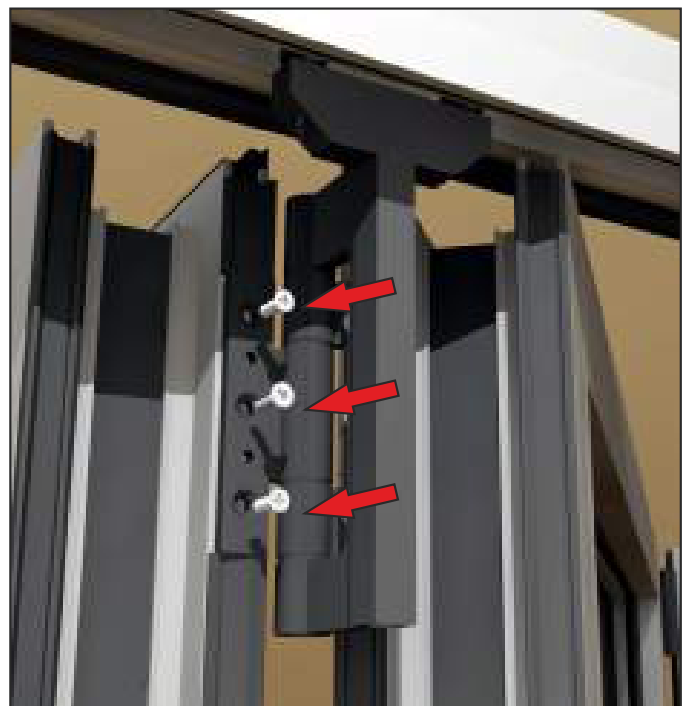
Check doors are all level and there should be an equal gap of about 11mm between the frame and sash, top and bottom. This is critical.

If adjustment is required remove screws and adjust the backplate position. Finally once door is all level add the final fix self tapper screw (B) to the centre of the hinge. **This must be done before the doors are glazed.**

Bogie Hinge



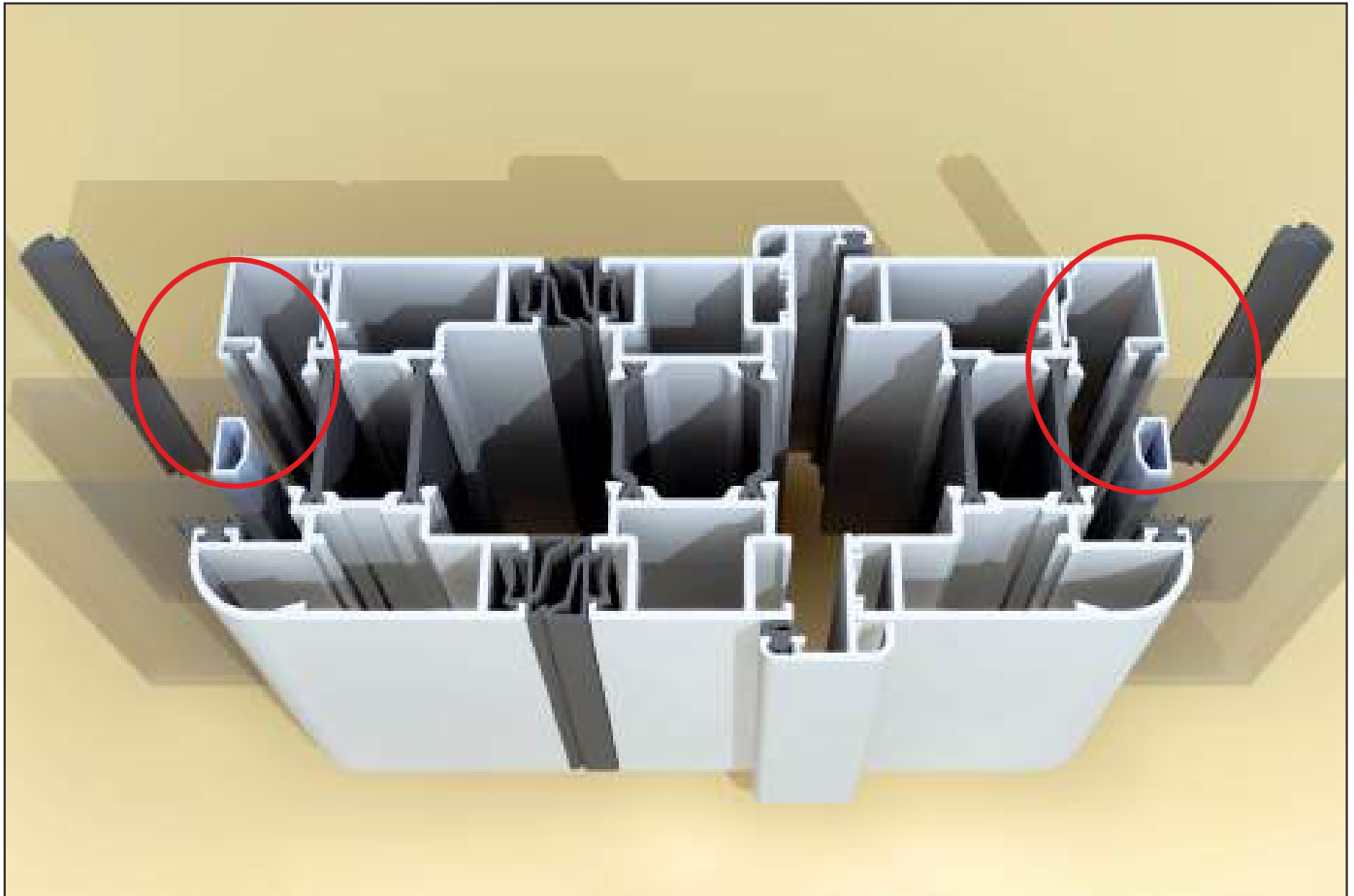
Guide Hinge



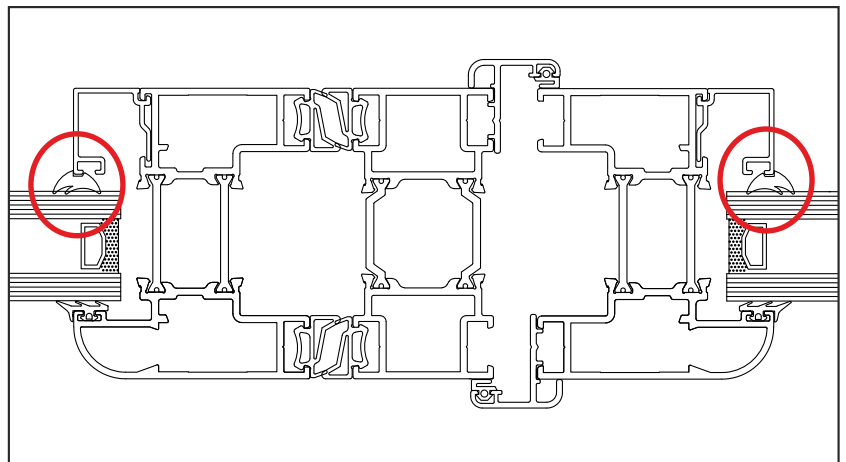
WARNING: DO NOT LEAVE KEYS IN LOCK AS DAMAGE WILL BE CAUSED ON CLOSING

Gasket Position

Traffic Door & Mullion Cut Through



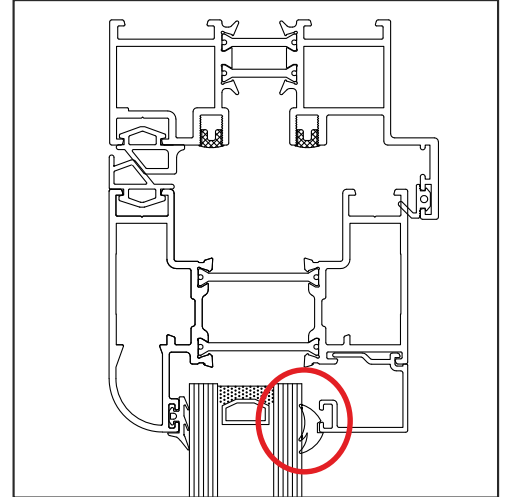
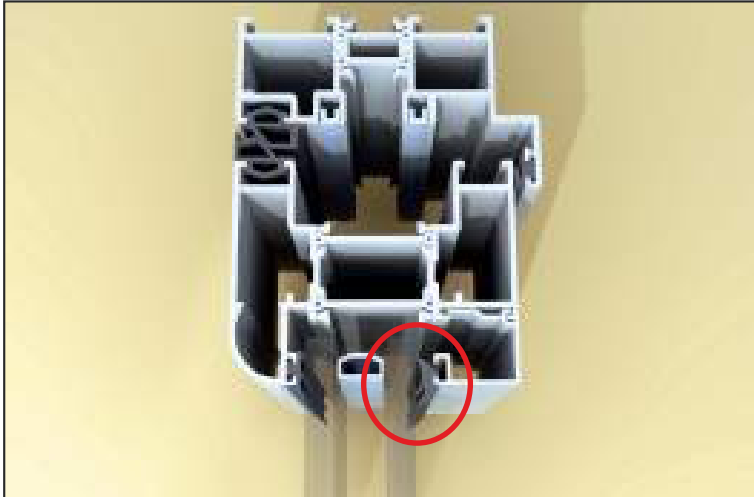
Fit the glazing beads ****without**** the gasket attached. The gasket is to be inserted after the beads have been loosely fitted. The gasket is then pushed in the space between the glass and the bead. It will be tight and sometimes very tight to fit, this is correct.



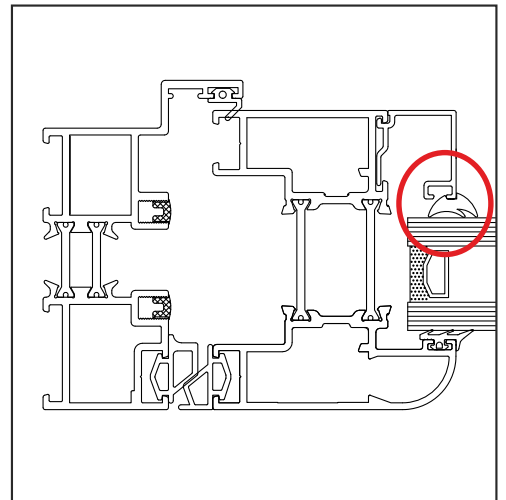
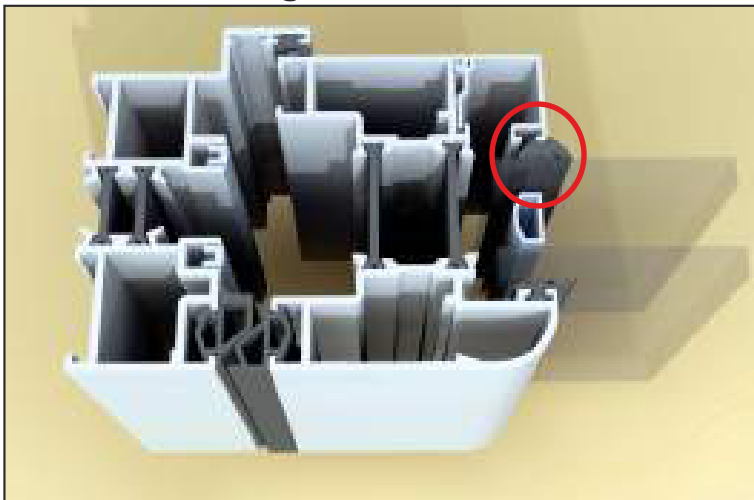
WARNING: DO NOT LEAVE KEYS IN LOCK AS DAMAGE WILL BE CAUSED ON CLOSING

Gasket Position

Top Section Cut Through



Side Cut Through



Gaskets supplied already in place:

- ACDV272 (Sash door to door)
- ACDV272 (Outer frame)
- ACDV272 (Sash)
- ACVG31 (E Gasket)
- ACDV244 (Outer frame rebate)
- ACVL032 (Door rebate)

Gaskets supplied loose:

- ACVG34 Wedge for glazing

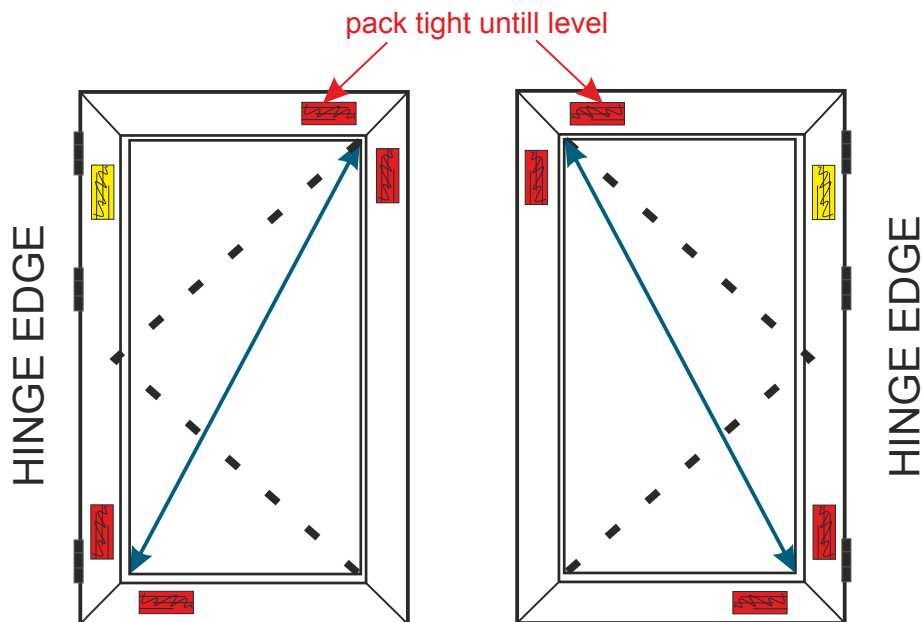
Toe & Heeling

Important Glazing Instructions

In order for all products to work correctly this sealed unit must be correctly glazed.

Bi-folding doors must be correctly toe & heeled.

*Example Shown Below
Viewed from the Inside*





Insert Packers tightly across diagonals, ensure head is level and secure packers in place with silicone.

Internal hinge positions Packer Final fix packer

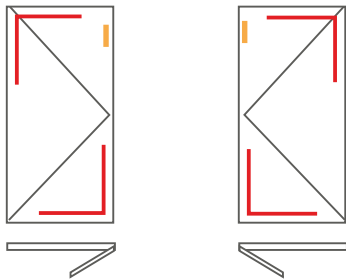
Toe & Heeling

FOLDING / SLIDING OPENING IN OR OUT:

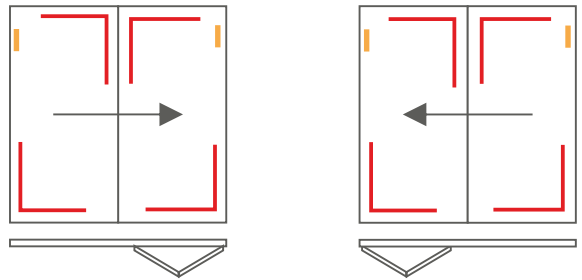
Toe & Heel	
	This symbol indicates where to pack each panel.
	Final Fix Packer

All configurations are viewed from the Inside

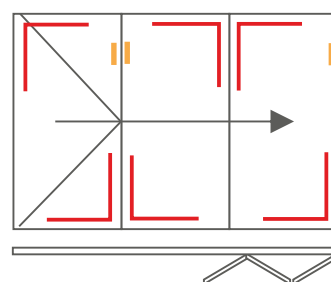
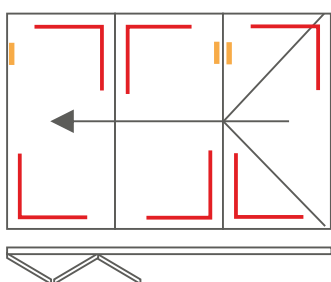
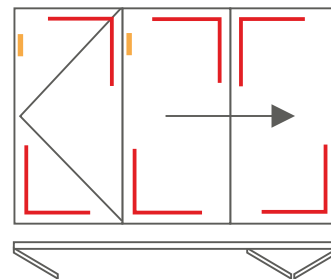
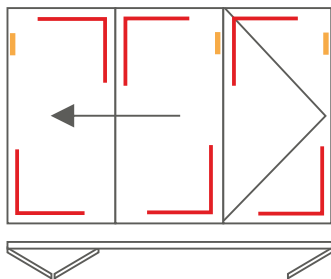
1 Panel



2 Panel

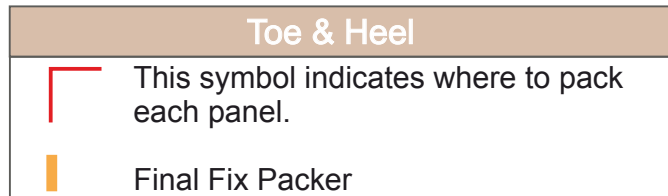


3 Panel



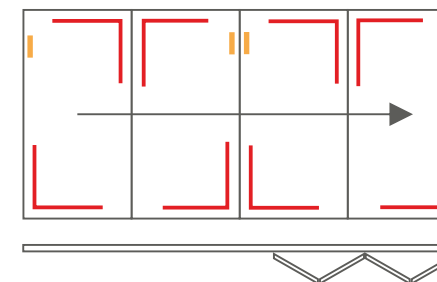
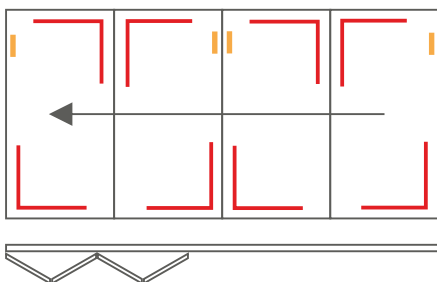
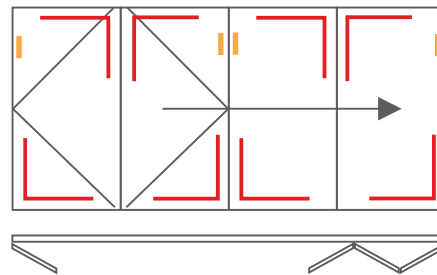
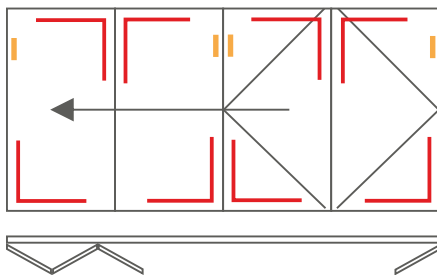
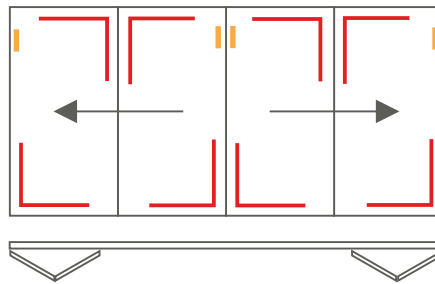
Toe & Heeling

FOLDING / SLIDING OPENING IN OR OUT:



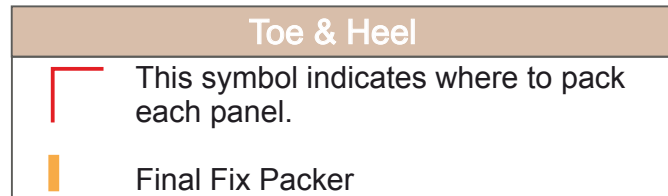
All configurations are viewed from the Inside

4 Panel



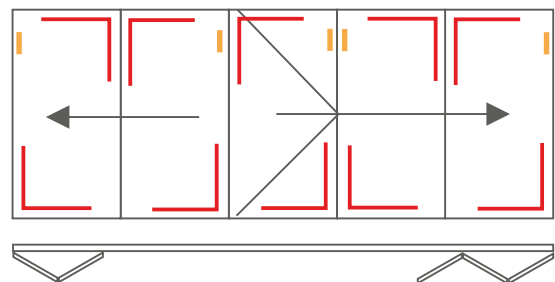
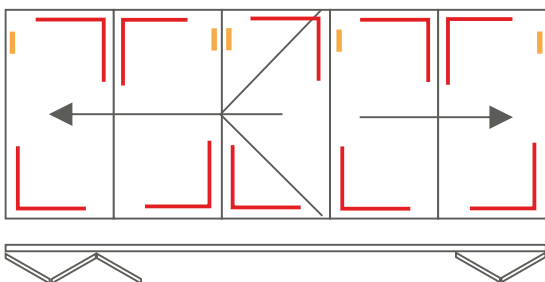
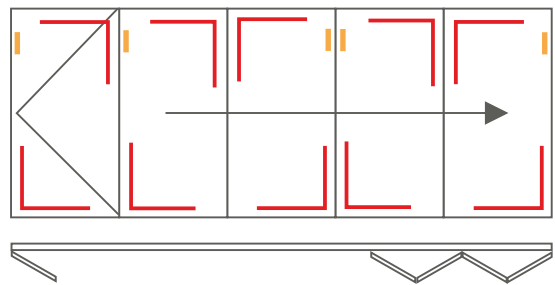
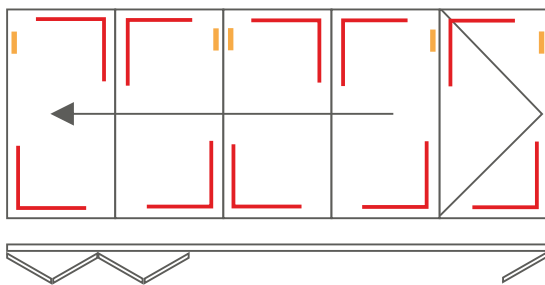
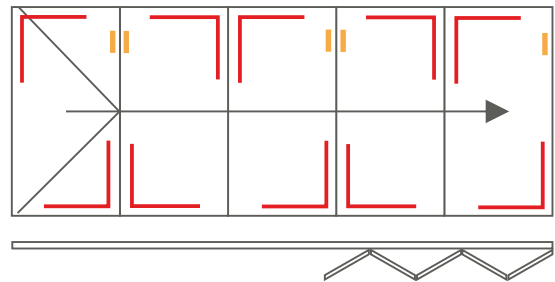
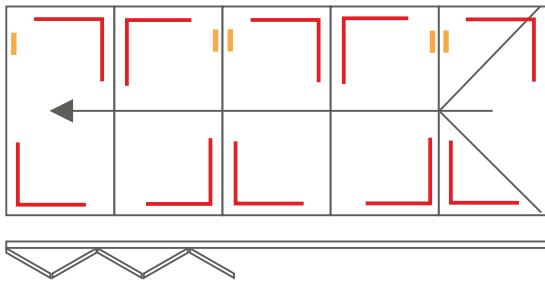
Toe & Heeling

FOLDING / SLIDING OPENING IN OR OUT:





All configurations are viewed from the Inside

5 Panel



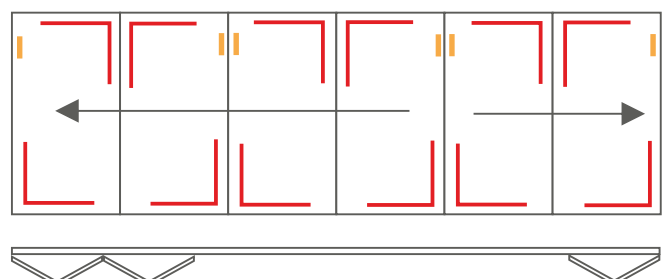
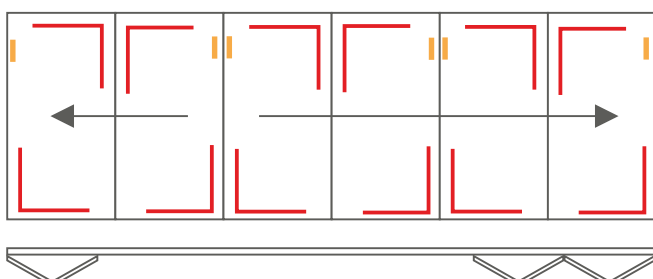
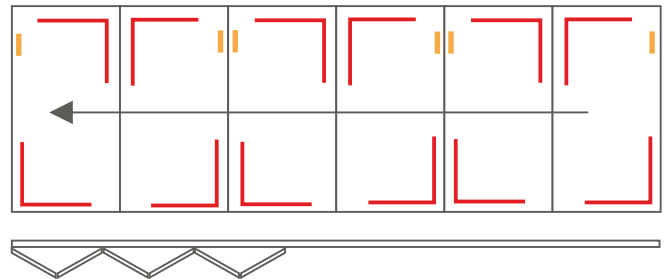
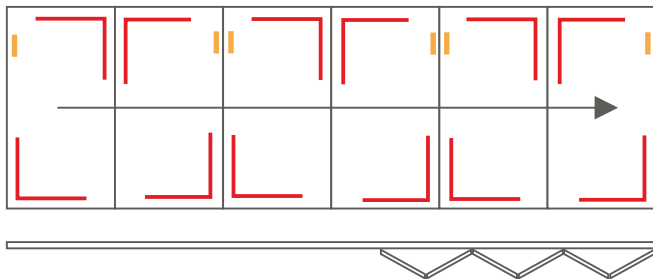
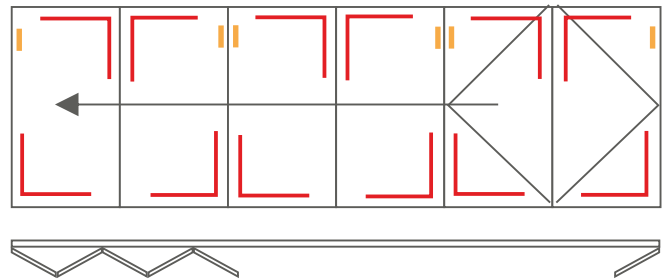
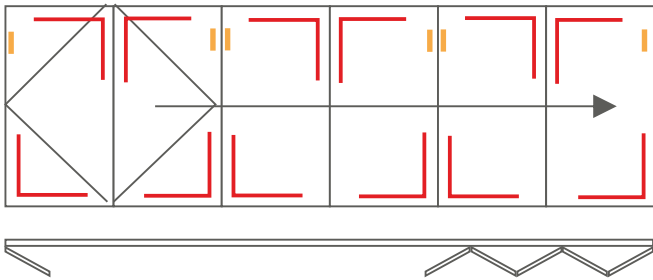
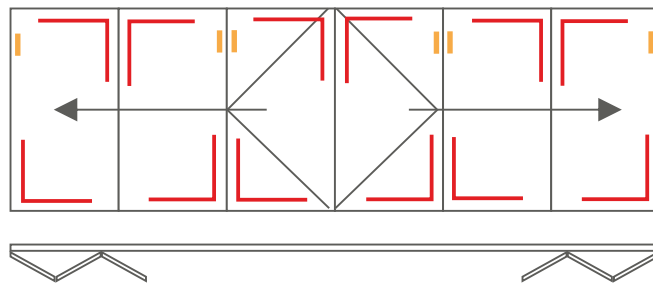
Toe & Heeling

FOLDING / SLIDING OPENING IN OR OUT:

Toe & Heel	
	This symbol indicates where to pack each panel.
	Final Fix Packer

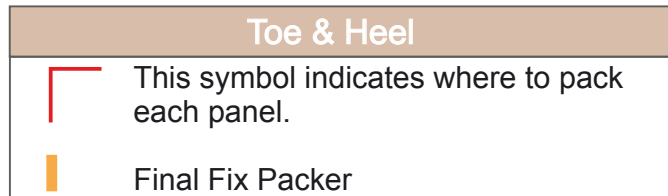
All configurations are viewed from the Inside

6 Panel



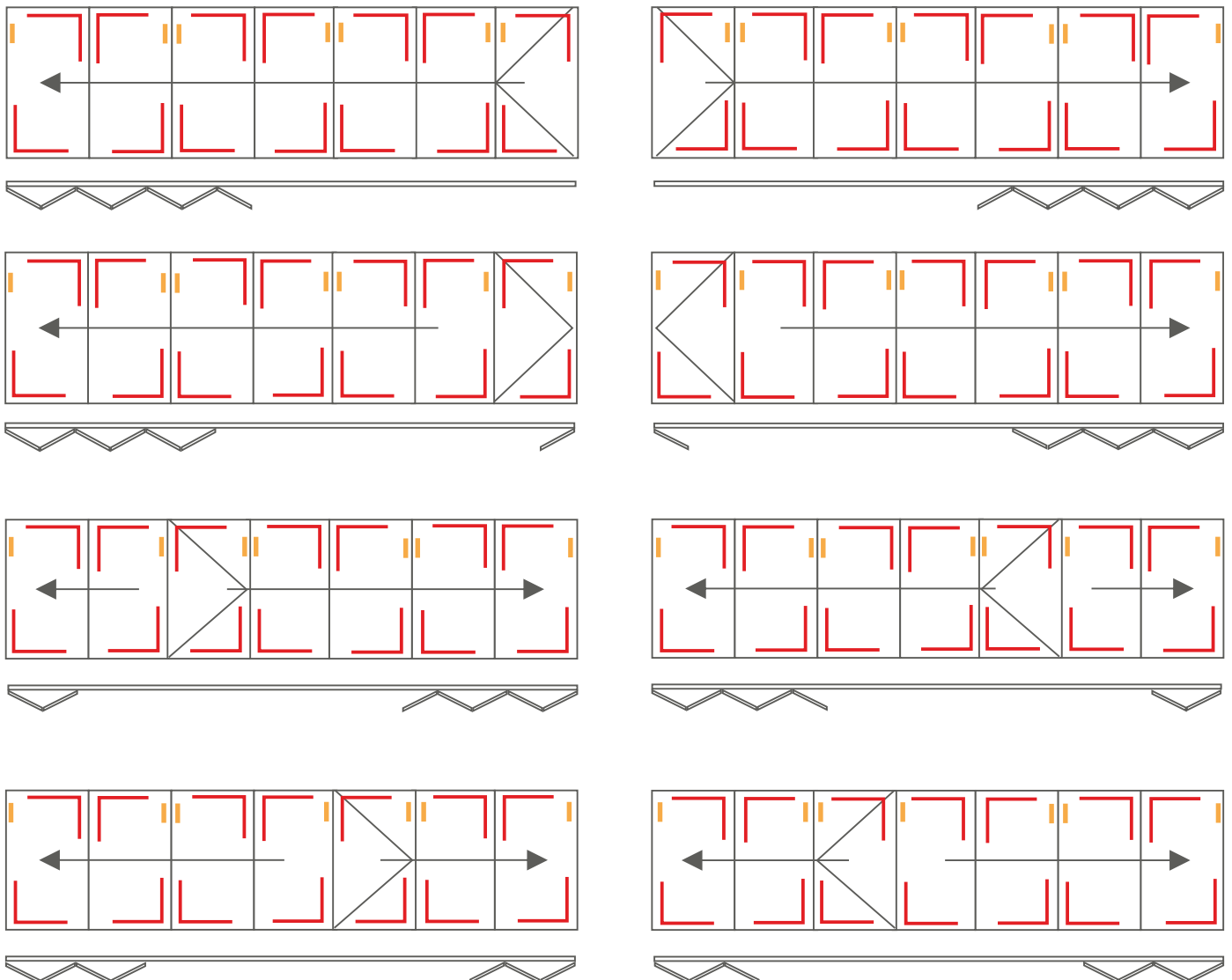
Toe & Heel

FOLDING / SLIDING OPENING IN OR OUT:



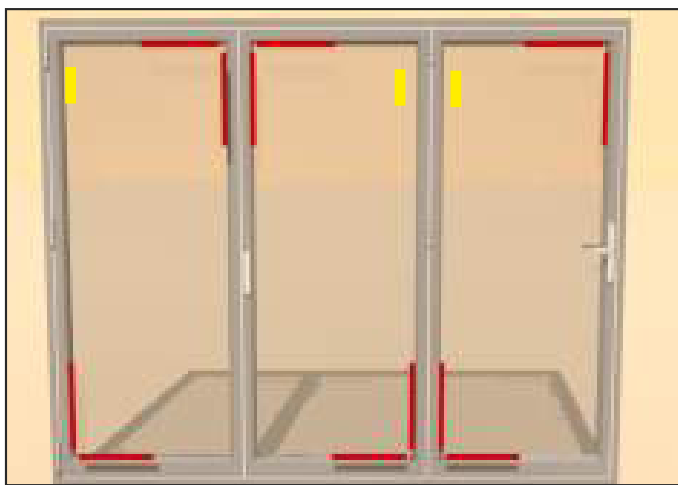
All configurations are viewed from the Inside

7 Panel



Toe & Heeling

This guide provides a detailed explanation of how we suggest to toe and heel our doors. This is for use as a guide only as each set of doors are unique and may require different levels of packing in the toe and heeling process (amount of packers used). Please use your own judgment.

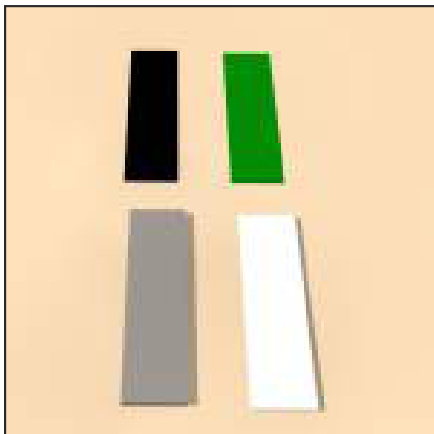


The red sections display where to toe and heel on a 3 panel door all one way.

The yellow sections display the final fix packer position.

Start by toe and heeling the panel attached to the frame first and work towards the traffic door (Or slave door).

The remainder of the presentation will show you how to toe and heel the traffic door.

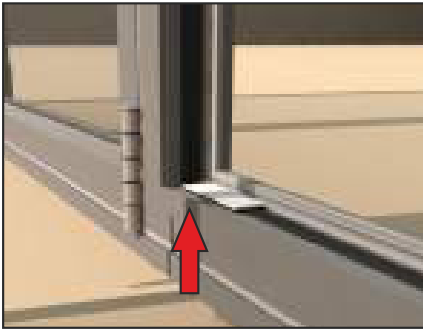


Packers are supplied in a range of sizes which are colour coded for ease of use. Packers used in this guide are an example only. Each door is unique and will require different levels of packing. Always use a range of packers to best suit the door being toe and heeled.



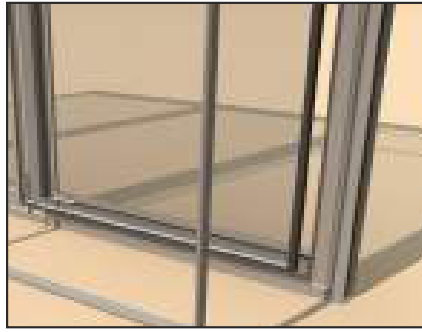
When toe and heeling use a glazing shovel where needed.

Toe & Heeling

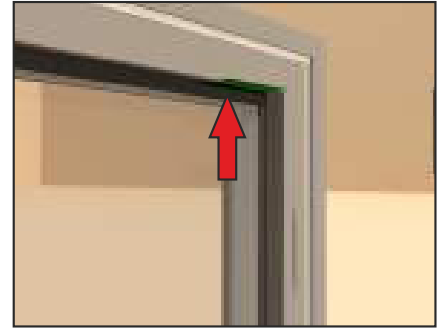


Place 2-3 packers at the bottom of the door on the hinge side.

(number of packers depends on door tolerances)



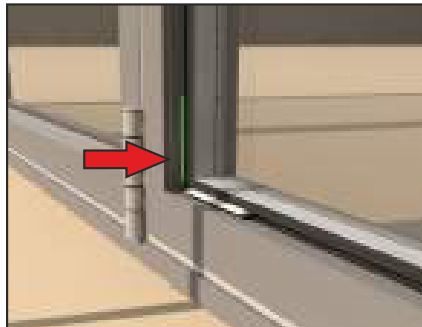
Place glazed unit into door frame.



Pack the top of the unit on the handle side of the door. Use a variety of packers until the glazed unit sits firm in place.



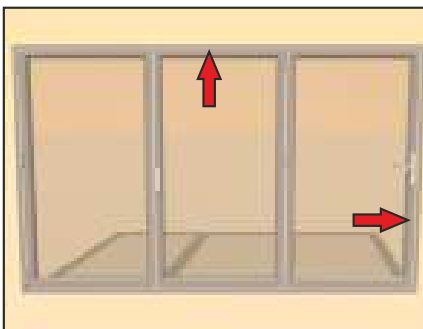
Pack the side of the unit on the handle side of the door. Use a variety of packers until the glazed unit sits firm in place and square within the frame.



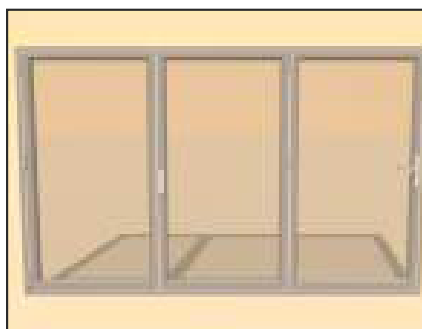
Pack the side of the unit on the hinge side of the door. Use a variety of packers until glazed unit sits firm in place and square within the frame.



Lastly pack the top side corner on the hinge side of the door. Use a variety of packers until the glazed unit sits firm in place. This will help keep the glazed unit square and in place.



Check door is completely level with the outer frame. If not add or remove packers where needed.



Once all panels have been toe and heeled check door is running correctly and that the locking system works correctly.

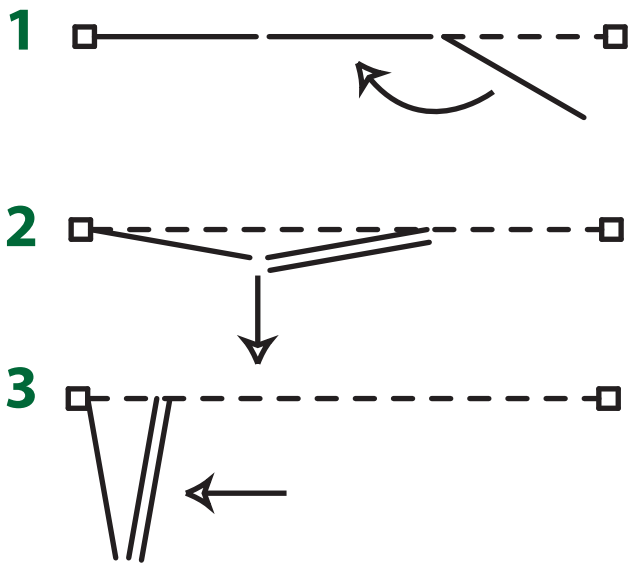
If required silicone the packers on the uprights of the door into place. (this will prevent the packers from moving).

Finally clip bead into place.

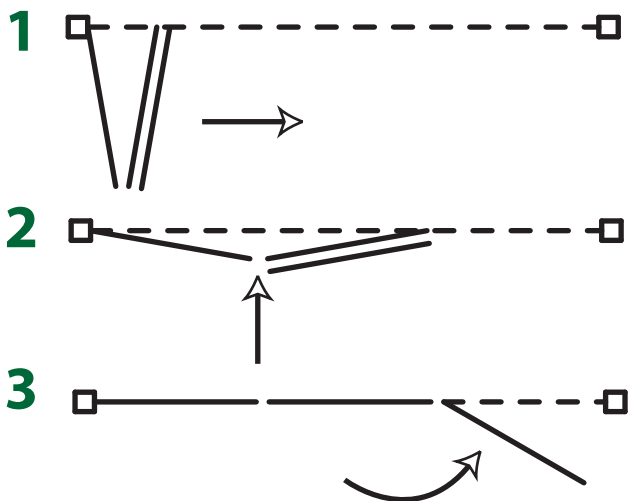
Operating and maintenance

WARNING: DO NOT LEAVE KEYS IN LOCK AS DAMAGE WILL BE CAUSED ON CLOSING

Opening operation



Closing operation



Maintenance

- Roller mechanisms carrying the door panels are fitted with sealed stainless steel bearings and require no lubrication.
- Ensure top and bottom tracks are kept free from debris or obstacles which may impair the function of the product.
- Door locking mechanisms to be cleaned and any moving parts to be lubricated with a light machine oil at least once a year and more frequently where appropriate.
- For Aluminum paint finish clean regularly with soap and water.