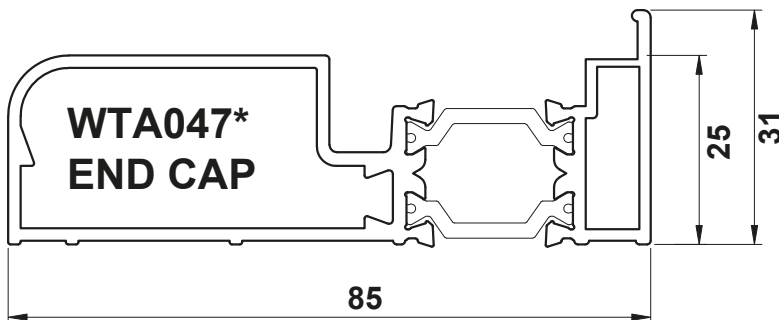
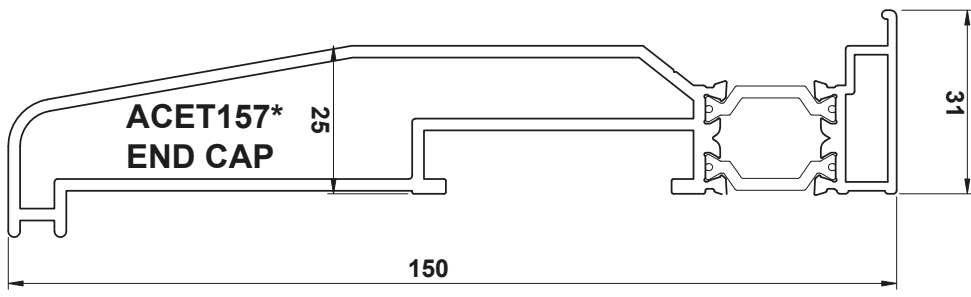
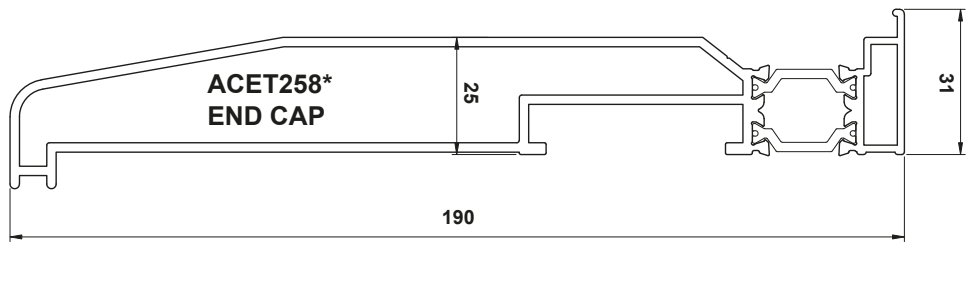
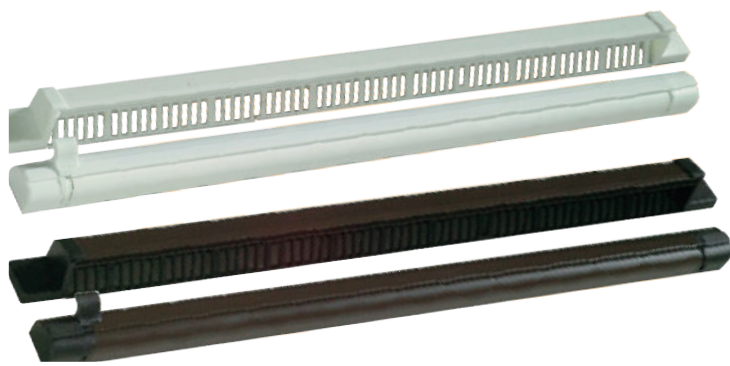


Cill Sections Aluminium Windows

Version 290814DPC

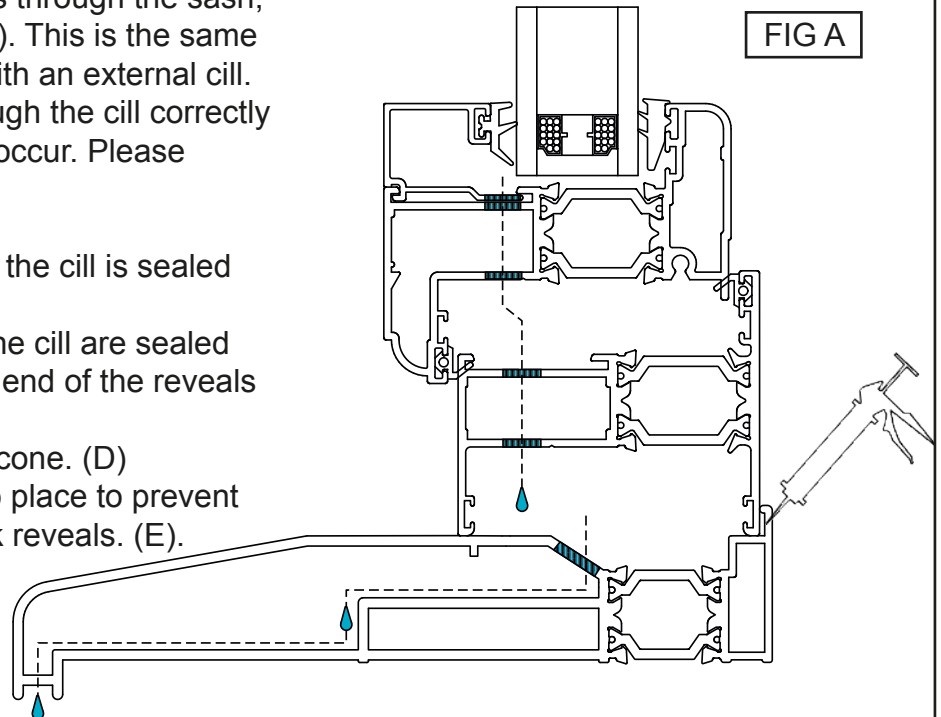
IMAGE	PART CODE	QTY
 <p>WTA047* END CAP</p>	<p>ETC 178 Stub Cill Only if ordered</p> <p>WTA047 End Caps</p>	<p>1</p> <p>1 pr</p>
 <p>ACET157* END CAP</p>	<p>ETC 157 150mm Cill Only if ordered</p> <p>ACET157 End Caps</p>	<p>1</p> <p>1 pr</p>
 <p>ACET258* END CAP</p>	<p>ETC 158 190mm Cill Only if ordered</p> <p>ACET258 End Caps</p>	<p>1</p> <p>1 pr</p>
 <p style="text-align: center;">QTY. Subject to order</p>	<p>TTF2500B(W)</p> <p>White or Black **Only** Required if trickle vents have been ordered</p>	

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 (B).
2. The left and right hand ends of the cill are sealed to prevent water travelling to the end of the reveals (C).
3. Fill end of front chamber with silicone. (D)
4. The end cap must be sealed into place to prevent water traveling into the brickwork reveals. (E).



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

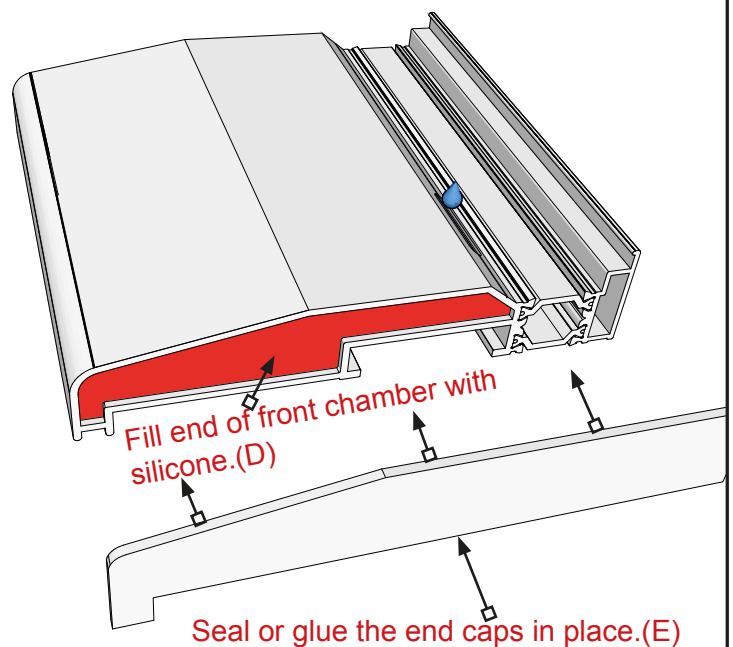
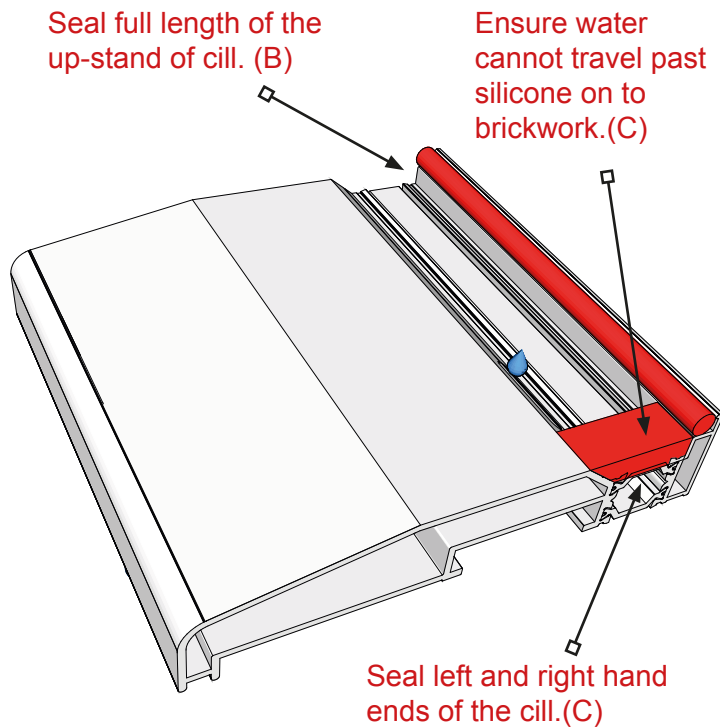



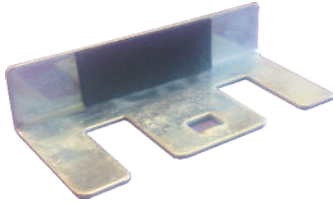



IMAGE	PART CODE	QTY	IMAGE	PART CODE	QTY
 5 mm	ACET 840 5mm Wedge Gasket. Fitted between up stand of frame/sash, after beads fitted.	??	 4 mm	ACET 835 4mm Bead Gasket. To be fitted to 13mm Deep Square Bead Only.	??
 2 mm	ACET 843 2mm Bead Gasket. To be fitted to 9mm Deep Square Bead on Square Sash Only.	??		ACET131BL (WP) Drainage Cap Black or White **Only** if NO CILL has been supplied	??
	GlassLok Security Glass Clip To be fitted prior to installing glazing beads.	??		4mm Packer 4mm Glazing Packer 2 x per Glass Unit.	2

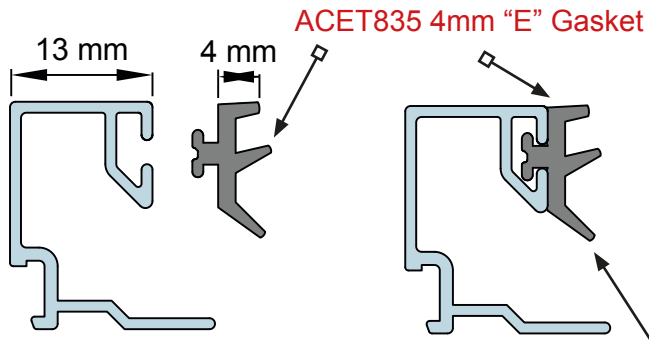
?? - Qty. Is Subject to Order

Important ! Before commencing the removal of your existing frame or installation of your new window you must ensure that all parts listed on your delivery note and in this assembly guide are present.

Key Points to Installation:

- If you have a window cill you must seal it as shown on the opposite page. If no cill is fitted ensure water can escape through the drainage slots and not travel back into the reveal.
- Fix the cill if possible from underneath, so any residual water does not follow the screw thread. If it is not possible and the cill has to be connected through the base of the frame, please ensure the screw thread is sealed before fitting.
- Fixings should be at 600mm centres and not within 200mm of a corner.
- All fixed light sections are glazed with a 13mm deep bead and gaskets ACET835 and ACET840.
- Chamfered Sash and Scotia Sash are also glazed with a 13mm deep glazing bead with ACET835 and ACET840.
- **IMPORTANT:** Square sashes have a 9mm deep glazing bead and also a different gasket ACET843 which is used in conjunction with ACET840.
- If you use the wrong gasket in the wrong place it will not work.
- A common installation mistake made is reversing the gaskets, and more commonly using a wrong gasket totally, which is supplied for another product you may have purchased such as ACVG34 used on folding, French or residential doors. Gaskets are labelled on delivery so please make sure the right gasket is installed or you will be charged for any gasket incorrectly used.
- We highly recommend that construction foam be used to fill the gap between the frame and the surrounding brickwork. Please ensure it is not used excessively, so not to bow the frame or affect the powder coat finish.

How to Glaze Fixed Lights of Slim and 47.5mm Frame



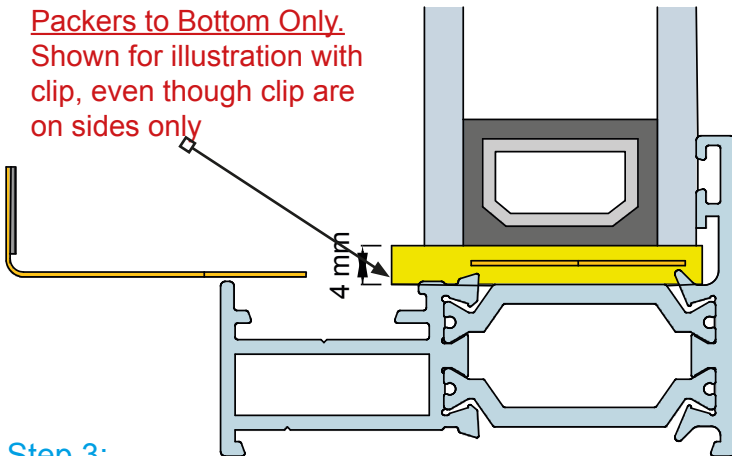
Step 1:

- Take 4mm "ACET835 "E" Gasket and push into groove of the 13mm bead as shown.
- Trim to Length.
- Ensure Gasket finishes flush with the top of the glazing bead to give low sight-line. Do not have long leg above bead line.

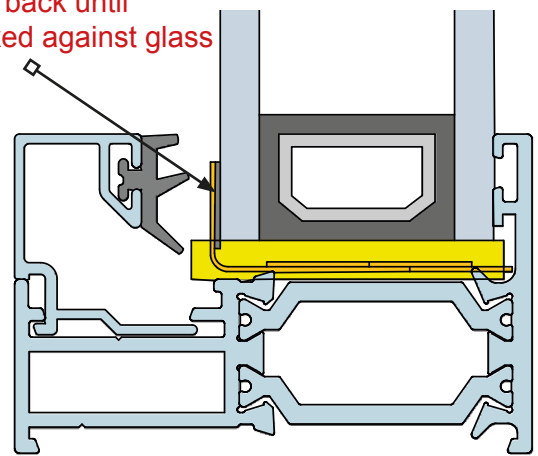
Step 2:

- Place 2 x 4mm packers at the bottom only of the fixed light. Do not to block any drainage holes.
- Fit glass unit into aperture, checking it is square within the aperture with an even gap around the whole perimeter.
- To secure the glass in place, take 4 x GlassLok security clips and slide them under the pre-fitted plates, which are positioned on the left and right of the fixed light. Push until solidly fixed. Before you fit the clips be 100% certain with the installation at that current point, as once fitted they cannot be removed without a special tool.

Packers to Bottom Only.
Shown for illustration with clip, even though clip are on sides only



Push clip back until Solidly fixed against glass unit

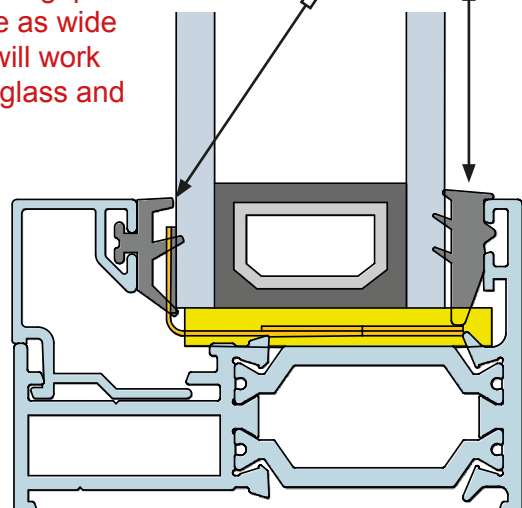
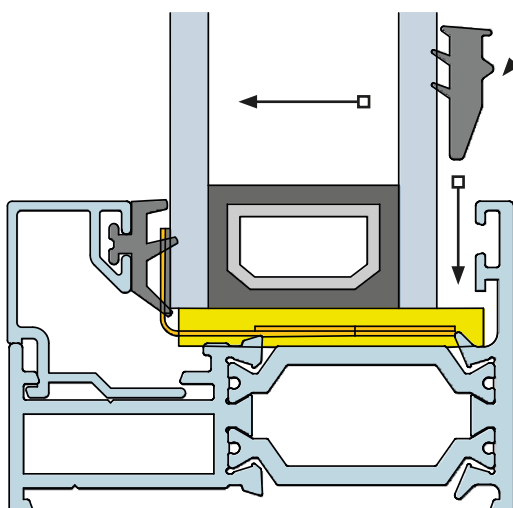


Step 3:

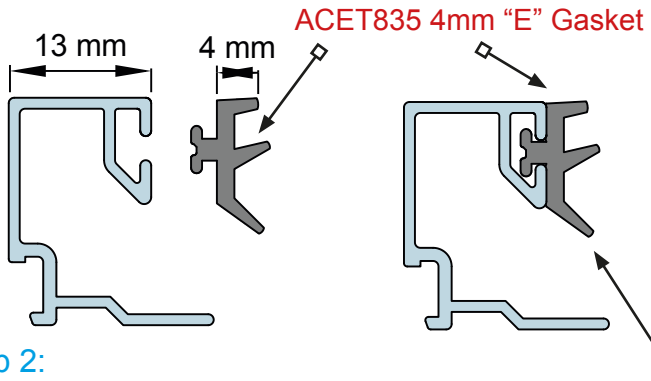
- Fit the top and bottom glazing bead first. Then the left and right bead. Take care not to mark the surface of the other beads.
- Once all the beads are fitted, take the 5mm wedge gasket ACET840 and push into the gap between the up stand of the frame and glass unit. This will push the glass clips back out on a ratchet system. This may be a tight fit but this is correct.

Push the gasket ACET840 into the gap. This may not be as wide as shown, but will work by pushing the glass and clip outwards

Finished glazed unit, with both gaskets flush



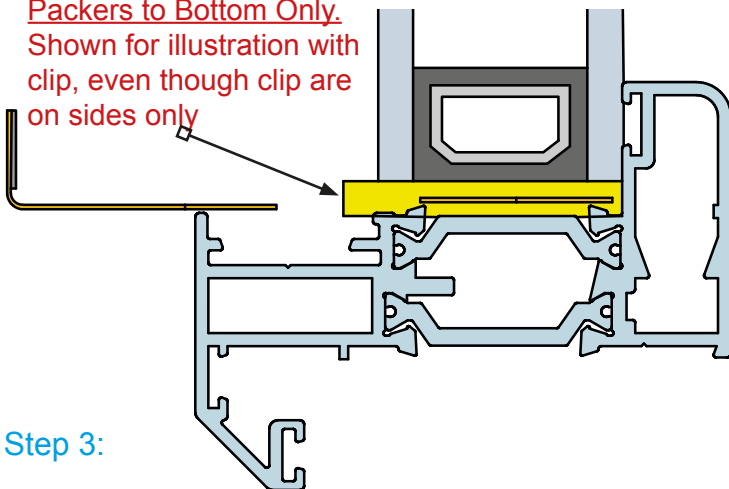
How to Glaze Chamfered Sash



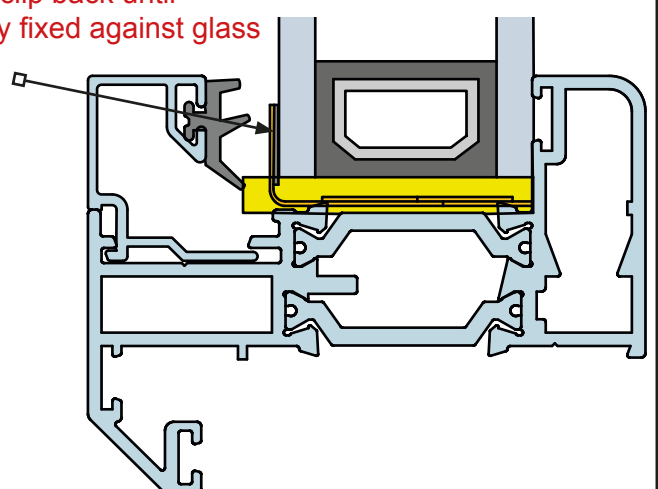
Step 2:

- Place 2 x 4mm packers at the bottom only of the chamfered sash. Do not to block any drainage holes.
- Fit glass unit into aperture, checking it is square within the aperture with an even gap around the whole perimeter.
- To secure the glass in place, take 4 x GlassLok security clips and slide them under the pre-fitted plates, which are positioned on the left and right of the fixed light. Push until solidly fixed. Before you fit the clips be 100% certain with the installation at that current point, as once fitted they cannot be removed without a special tool.

Packers to Bottom Only.
Shown for illustration with clip, even though clip are on sides only



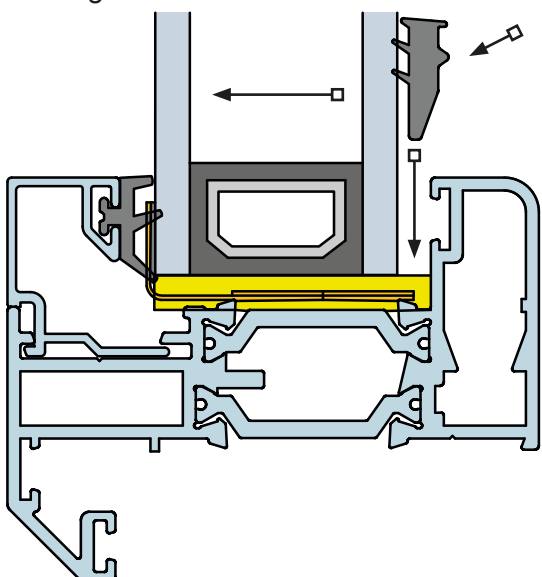
Push clip back until Solidly fixed against glass unit



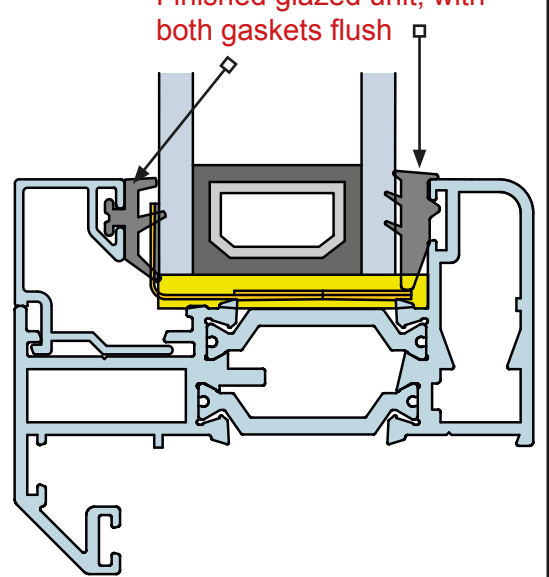
Step 3:

- Fit the top and bottom glazing bead first. Then the left and right bead. Take care not to mark the surface of the other beads.
- Once all the beads are fitted, take the 5mm wedge gasket ACET840 and push into the gap between the up stand of the frame and glass unit. This will push the glass clips back out on a ratchet system. This may be a tight fit but this is correct.

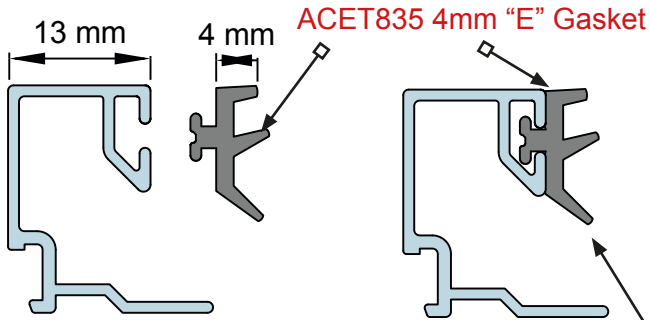
Push the gasket ACET840 into the gap. This may not be as wide as shown, but will work by pushing the glass and clip outwards



Finished glazed unit, with both gaskets flush



How to Glaze Scotia Sash



Step 1:

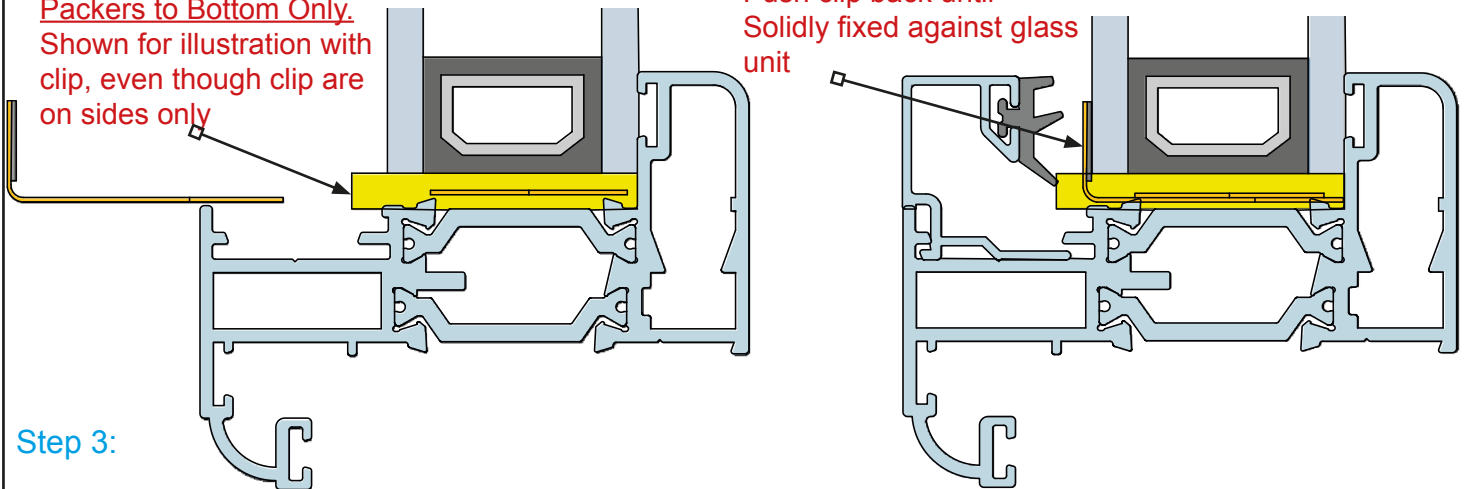
- Take 4mm "ACET835 "E" Gasket and push into groove of the 13mm bead as shown.
- Trim to Length.
- Ensure Gasket finishes flush with the top of the glazing bead to give low sight-line. Do not have long leg above bead line.

Step 2:

- Place 2 x 4mm packers at the bottom only of the Scotia sash. Do not to block any drainage holes.
- Fit glass unit into aperture, checking it is square within the aperture with an even gap around the whole perimeter.
- To secure the glass in place, take 4 x GlassLok security clips and slide them under the pre-fitted plates, which are positioned on the left and right of the fixed light. Push until solidly fixed. Before you fit the clips be 100% certain with the installation at that current point, as once fitted they cannot be removed without a special tool.

Packers to Bottom Only. Shown for illustration with clip, even though clip are on sides only

Push clip back until Solidly fixed against glass unit

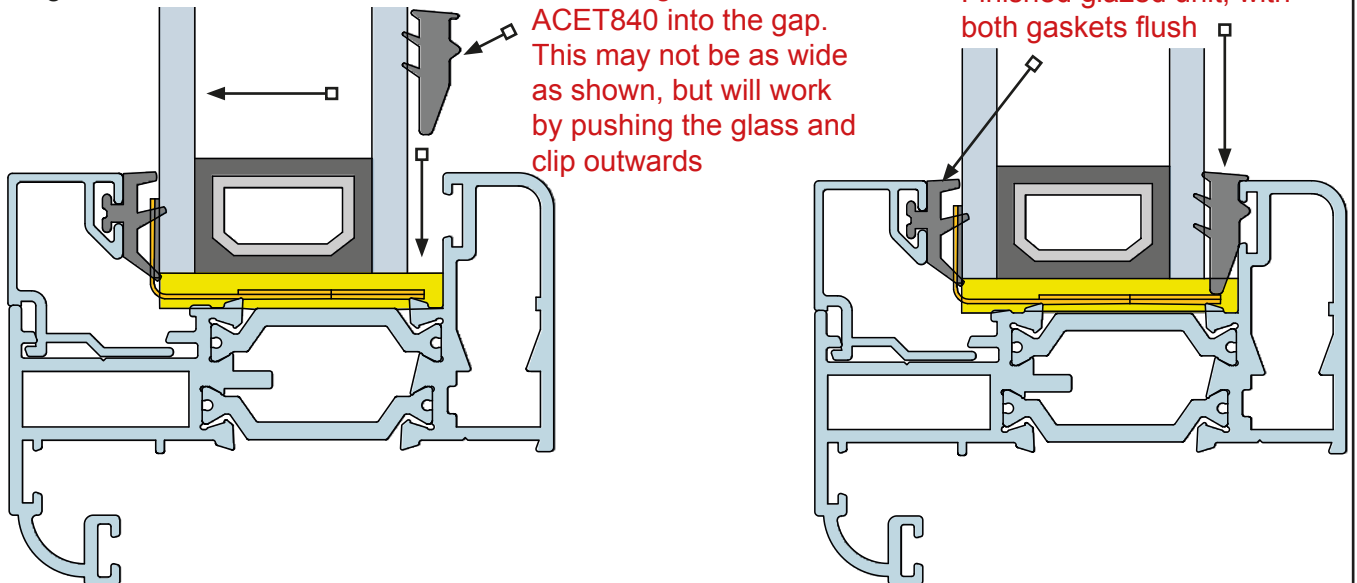


Step 3:

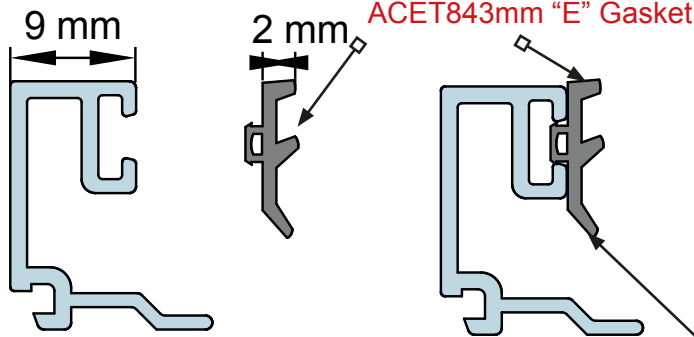
- Fit the top and bottom glazing bead first. Then the left and right bead. Take care not to mark the surface of the other beads.
- Once all the beads are fitted, take the 5mm wedge gasket ACET840 and push into the gap between the up stand of the frame and glass unit. This will push the glass clips back out on a ratchet system. This may be a tight fit but this is correct.

Push the gasket ACET840 into the gap. This may not be as wide as shown, but will work by pushing the glass and clip outwards

Finished glazed unit, with both gaskets flush



How to Glaze Square Sash- *** Gasket and Bead is Different ***



Step 1:

- Take 2mm "ACET843 "E" Gasket and push into groove of the 9mm bead as shown.
- Trim to Length.
- Ensure Gasket finishes flush with the top of the glazing bead to give low sight-line. Do not have long leg above bead line.

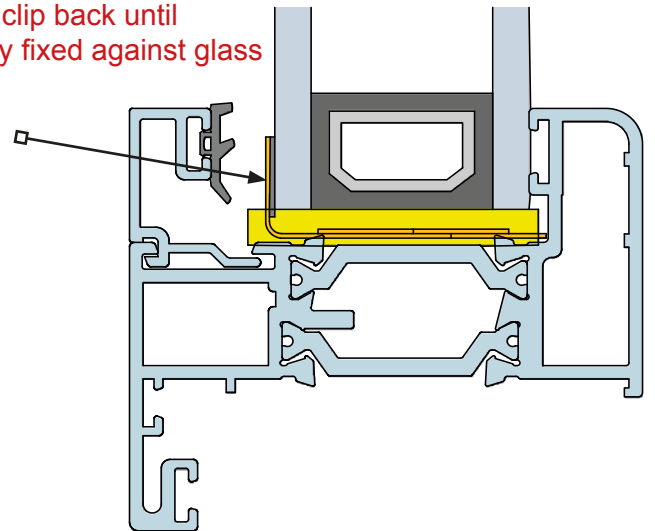
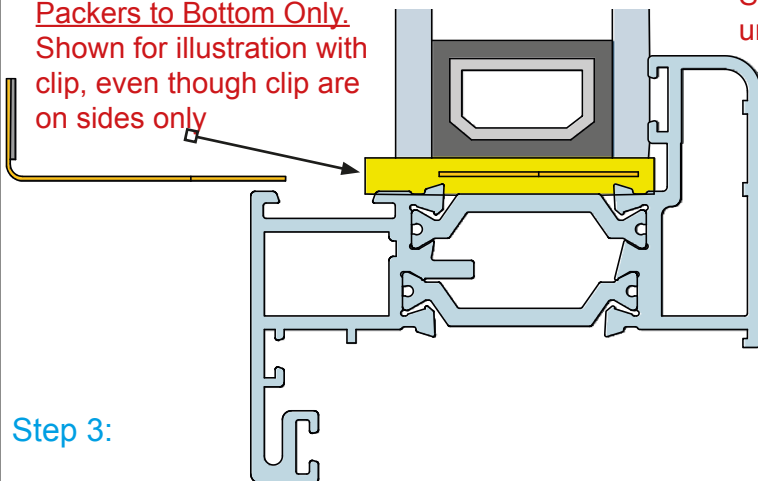
Step 2:

- Place 2 x 4mm packers at the bottom only of the square sash. Do not to block any drainage holes.
- Fit glass unit into aperture, checking it is square within the aperture with an even gap around the whole perimeter.
- To secure the glass in place, take 4 x GlassLok security clips and slide them under the pre-fitted plates, which are positioned on the left and right of the fixed light. Push until solidly fixed. Before you fit the clips be 100% certain with the installation at that current point, as once fitted they cannot be removed without a special tool.

Long leg below bead line

Packers to Bottom Only.
Shown for illustration with clip, even though clip are on sides only

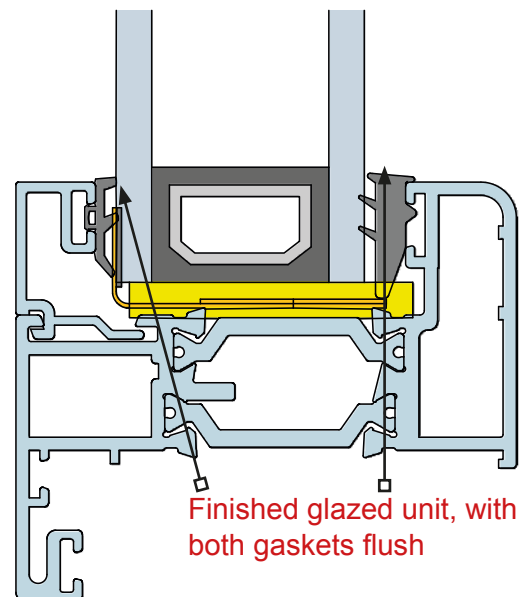
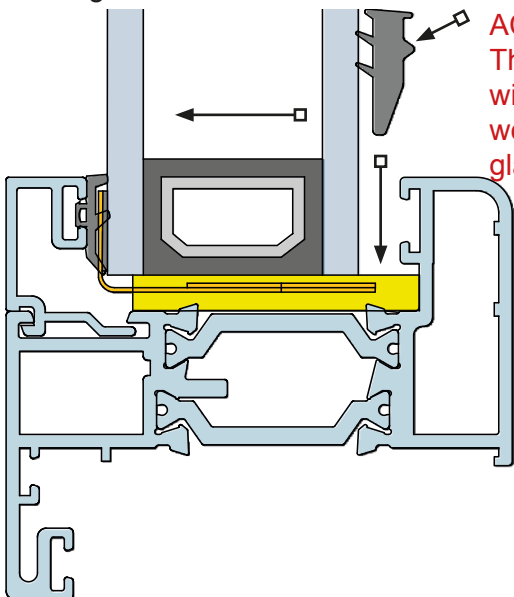
Push clip back until Solidly fixed against glass unit



Step 3:

- Fit the top and bottom glazing bead first. Then the left and right bead. Take care not to mark the surface of the other beads.
- Once all the beads are fitted, take the 5mm wedge gasket ACET840 and push into the gap between the up stand of the frame and glass unit. This will push the glass clips back out on a ratchet system. This may be a tight fit but this is correct.

Push the gasket ACET840 into the gap. This may not be as wide as shown, but will work by pushing the glass and clip outwards



Finished glazed unit, with both gaskets flush

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