em.glaze™
skyvu

whitesales

Installation Guide

Thank you for purchasing a Whitesales em.glaze Skyvu product. Please read this guide all the way through before starting the installation.

You are responsible for your health and safety during installation of this product. Please ensure that all health and safety regulations are adhered to.

The minimum recommended PPE for the installation of this product is: -

- Safety Gloves
- Safety Glasses
- Safety Shoes

Tools required

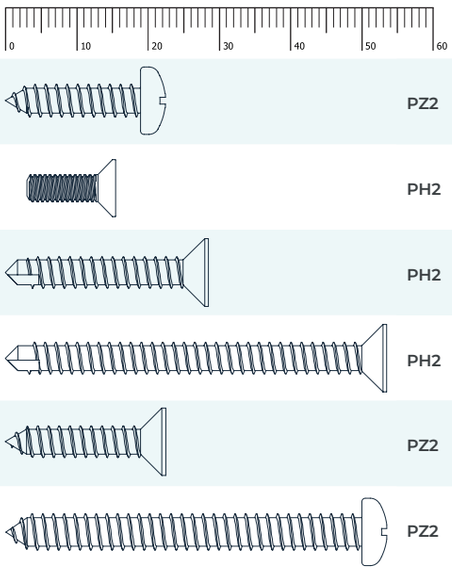
- Combi Drill
- Rubber Mallet
- Sealant Gun
- Sharp Knife or gasket cutters

We do not recommend the use of an impact driver as it can lead to overtightening and warping of the frame

Packaging contents

Spare screws also provided

Label	Part Number	Qty	
A	4.2x19mm Pozi-Pan Screw	20	PZ2
B	M4x10mm CSK Bolt	25	PH2
C	4x25mm CSK Self Drilling Screw	24	PH2
D	4.8x50mm CSK Self Drilling Screw	25	PH2
E	4.2x19mm CSK Screw	25	PZ2
F	4.8x50mm Posi-Pan Screw	30	PZ2



Other Parts:

Corner Cleats x 8
Silicone x 1
Hip End Caps x 4

PZ2 screwdriver Bit
PH2 Screwdriver Bit

Silicone Sealant COSSH Data Sheet

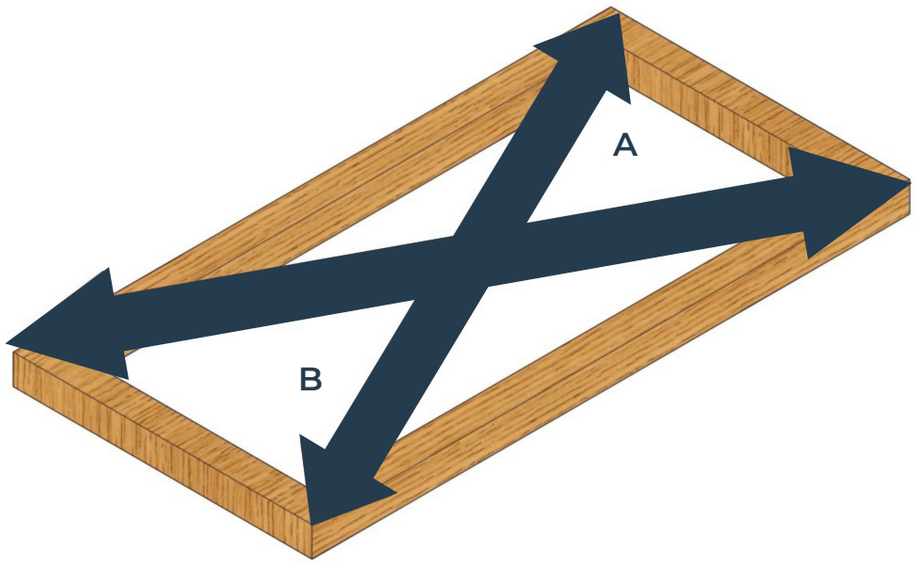
Download the data sheet by scanning here:

Step 1

Check the Upstand

Check the external dimensions of the timber upstand. Ensure that the diagonal measurements are equal.

Ensure the timber upstand is flat and level. This must be 100mm thick and constructed of timber. The upstand must be 150mm tall as per building regulations.

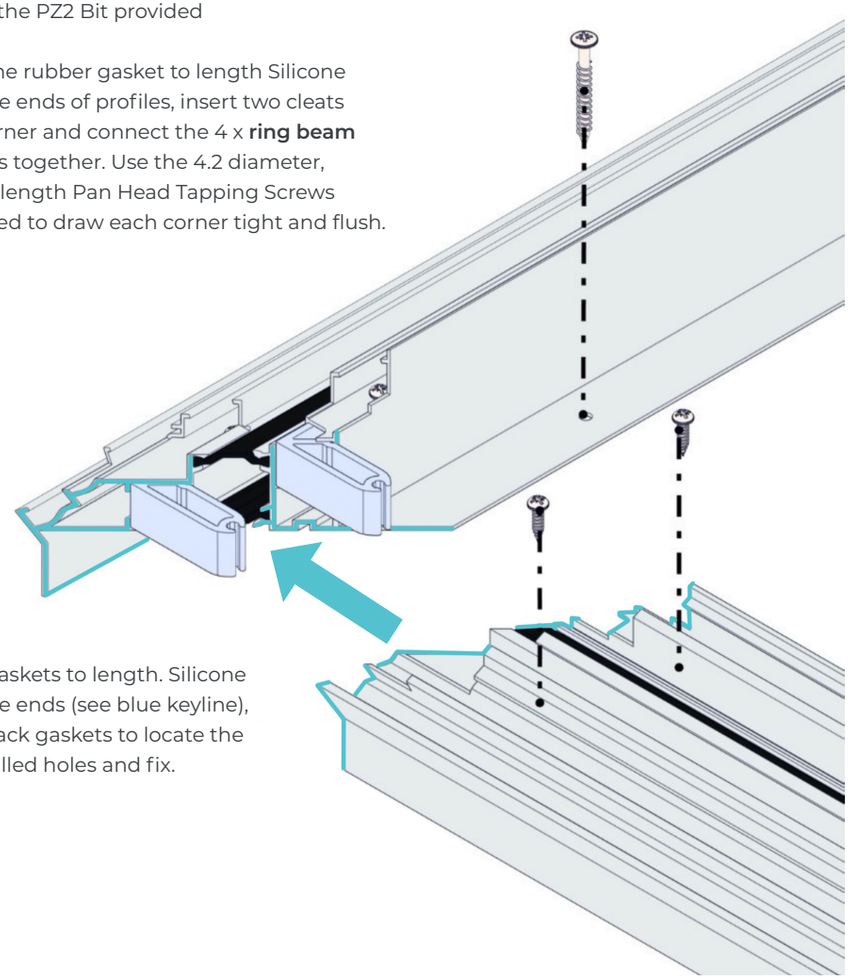


Step 2

Assemble the Ring Beam

Using the PZ2 Bit provided

Trim the rubber gasket to length Silicone seal the ends of profiles, insert two cleats per corner and connect the 4 x **ring beam** profiles together. Use the 4.2 diameter, 19mm length Pan Head Tapping Screws provided to draw each corner tight and flush.



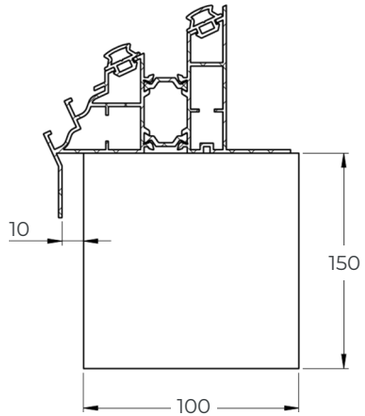
Trim gaskets to length. Silicone seal the ends (see blue keyline), peel back gaskets to locate the pre-drilled holes and fix.

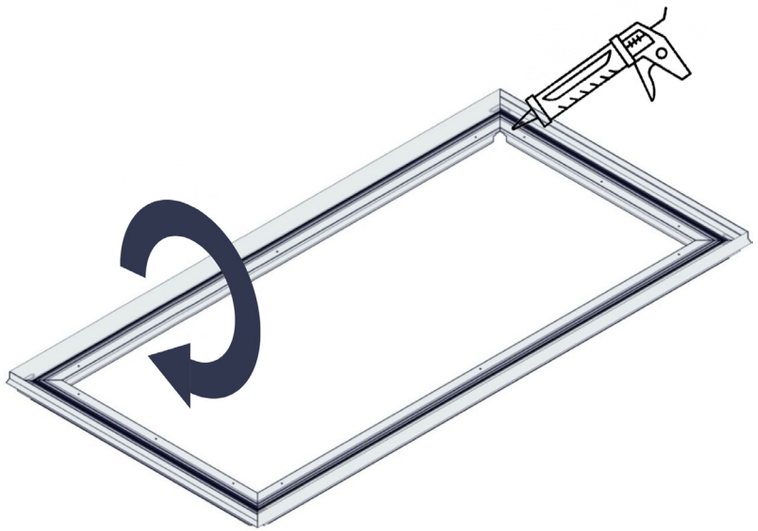
Step 3

Preparing the Ring Beam

The Skyvu Product needs to be fitted to a waterproofed upstand, by others.

Turn the **ring beam frame** upside down and apply a generous bead of **silicone** along the channel shown. Please check the silicone provided is compatible with your waterproofing membrane. Place the ring beam frame on the already waterproofed upstand. Ensure there is an even 10mm gap around the full perimeter between the ring beam and the timber upstand. Refer to drawing below:





Step 4

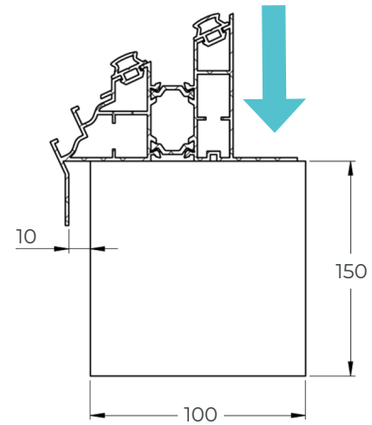
Attach the Ring Beam to the Upstand

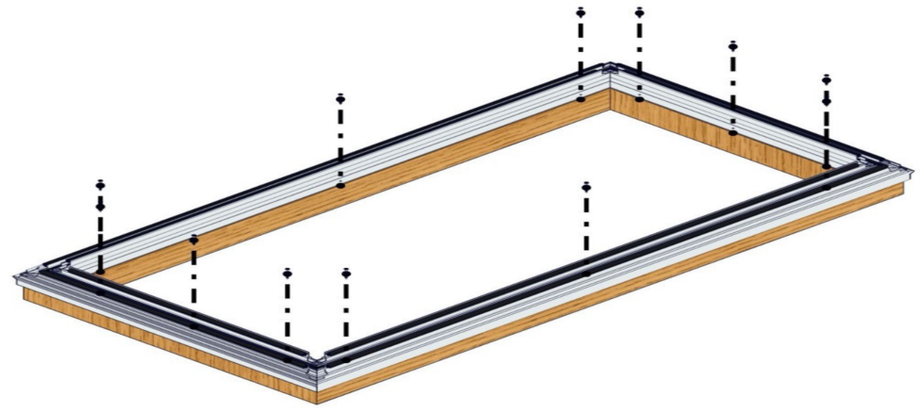
(The screws supplied are suitable for a timber upstand. If your upstand is made from any other material, please consult with your fixings suppler if opting for any other fixing methods)

Ensure the ring beam is square before securing to the upstand.

Using the 4.8 x 50mm Pozi Pan screws provided, fix the ring beam profile into the timber upstand through the internal leg of the ring beam through the predrilled holes. The qty will depending on the size of the Skyvu.

> Be careful not to overtighten as this can lead to warping of the frame.

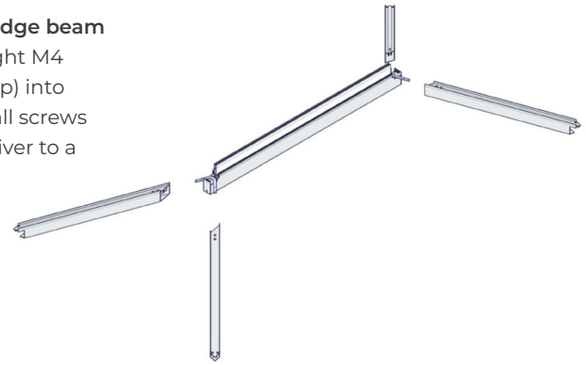




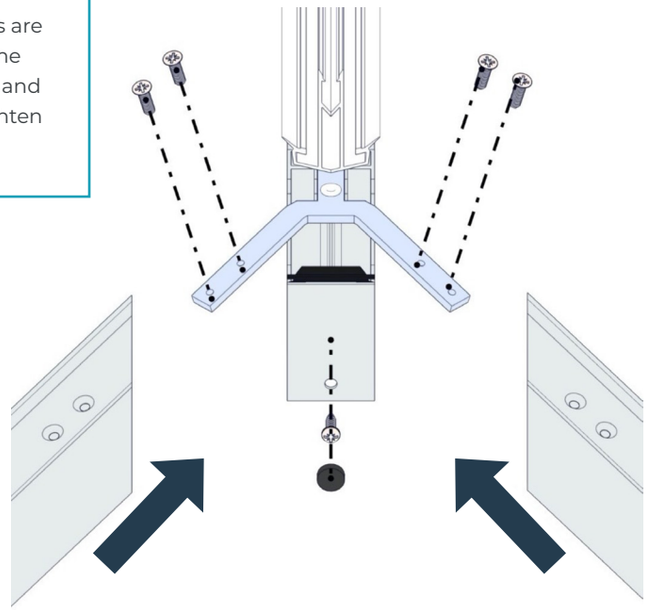
Step 5

Assemble the framework

Attach the 4 **Hip beams** to the **ridge beam** to form the **sub frame**. Insert eight M4 x 10mm screws (two into each hip) into the spider connections. Ensure all screws are flush with the surface. Set driver to a moderate torque setting.



> Make sure bars are not joined to the thermal break and do not overtighten the fixings



Step 6

Attach the frame to the Ring Beam

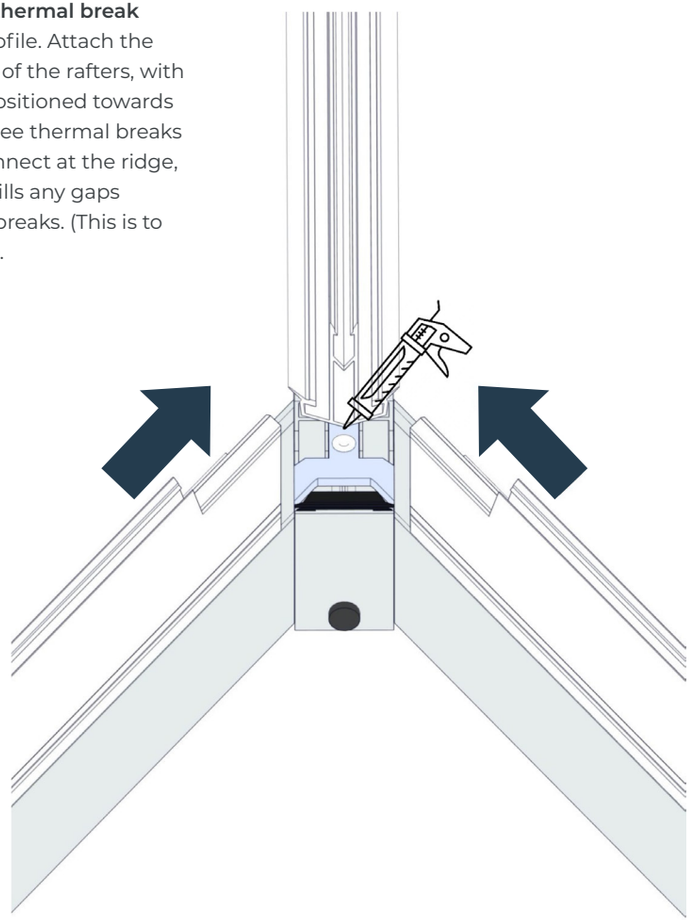
Place the sub frame **Hip rafters** and **ridge** onto the **ring beam**. Place each Hip into the machined slot. Use the 4.0 x 25mm self-drilling screws to attach each of the Hips into the ring beam frame.

Ensure all screws are flush.

Step 7

Ensure a weather seal

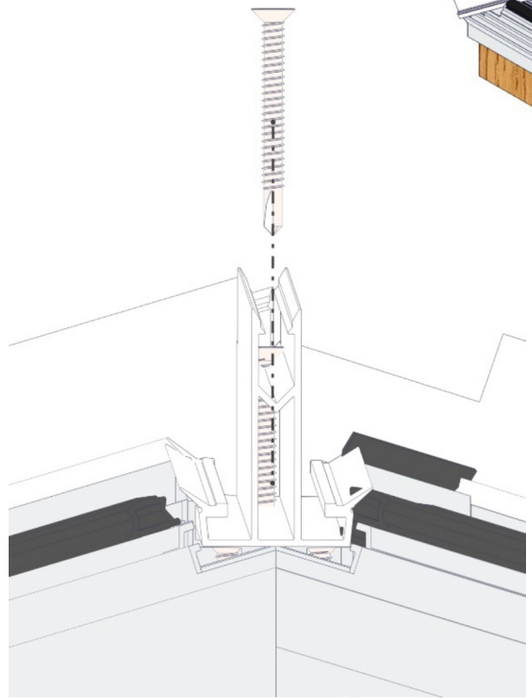
Apply a generous bead of silicone to the ends of the **ridge thermal break** and attach to ridge profile. Attach the thermal break to each of the rafters, with the straight cut end positioned towards the ring beam. The three thermal breaks must meet up and connect at the ridge, ensuring the silicone fills any gaps between the thermal breaks. (This is to ensure a weather seal).



Step 8

Fit the Thermal Break

Using the 4.2 x 50mm self-drilling screws, fixing through the thermal breaks, into the Hip and ridge. Each thermal break requires two screws, 150mm in from the ends of the break.

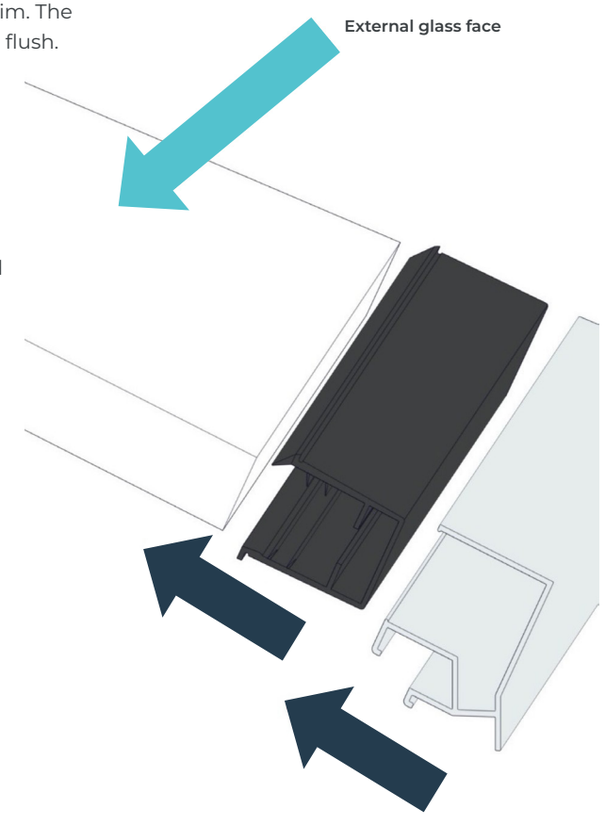


Take care not to over-tighten these screws, as you may crack and damage the thermal break.

Step 9

Fit glazing bead to the glass

Remove foam stickers from glass before starting. Then attach the **PVC Glazing end trim** to each glass unit, ensuring it is positioned centrally along the glass edge. Ensure glass is orientated correctly, see glass label. Attach the **Aluminum Glazing bead** to the PVC Glazing end trim. The ends of both profiles should be flush.



Best way of fitting:

1. Seperate the black channel from the aluminium frame.
2. Ensure seal is to outside of glass - inside of glass marked with a sticker.
3. Push plastic channel onto the glass and remove any pinches to the seal. Ensure a correct seal along the glass.
4. Centralise the glass in the plastic.
5. Push Aluminium frame onto plastic ensuring the outside of the frame is on the outside of the glass.
6. Ensure ends of the frame and plastic are flush.

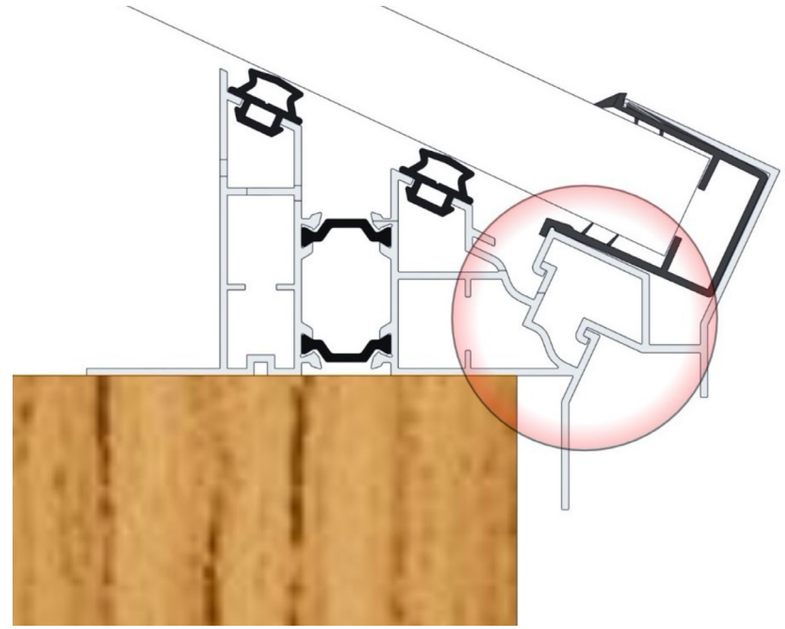
Step 10

Fit the glass to the frame

Carefully place the **glazed units** with glazing end bead attached into position shown and lock **the glazing bead** into the **ring beam profile**. Ensure the profiles are fully engaged. Before completely releasing the glass, apply an upward and outward force to the glazing bead to ensure the two profiles have locked together correctly.

Best way of fitting:

1. Sit the aluminium frame with glass onto the lower lip shown below.
2. Lower the glass so it is resting on the gaskets.
3. Holding the frame in your hands with your thumbs on the top and fingers underneath, twist by pulling outwards and upwards with your fingers while pushing inwards with your thumbs on the top of the frame.

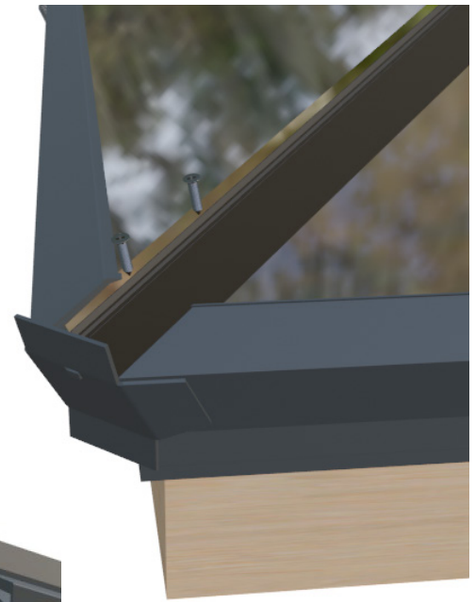


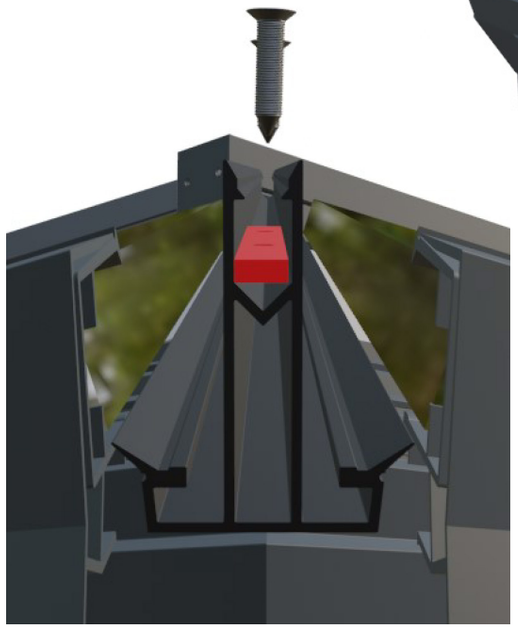
Step 11

Fit the Rafter end caps

Slide the rafter end into position and fasten into the thermal break using 4.2 x 19 counter sunk Screws.

Ensure the stalk of the end cap is positioned correctly. **As shown below in red:**





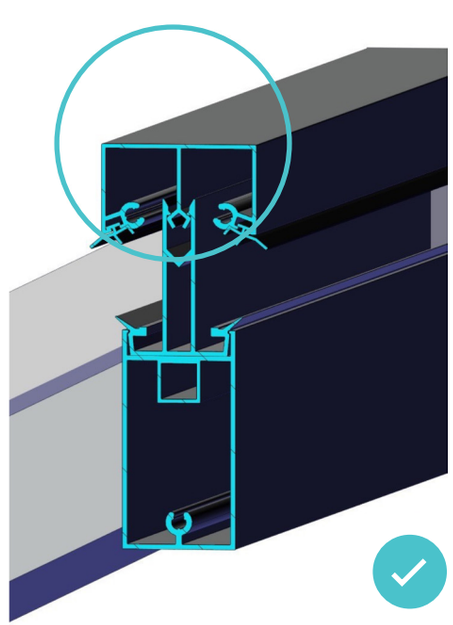
Step 12

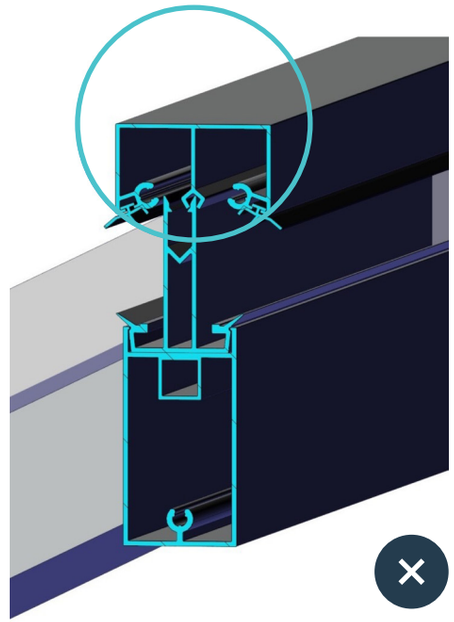
Fit Ridge Glazing Caps

Trim the rubber gasket to length.

Firmly attach the **ridge top cap** as shown. A light tap with a rubber mallet may be required. Ensure the top cap has clipped into the thermal break correctly; see images below:

Ensure the ridge cap is centralize with the thermal break, before tapping into position.





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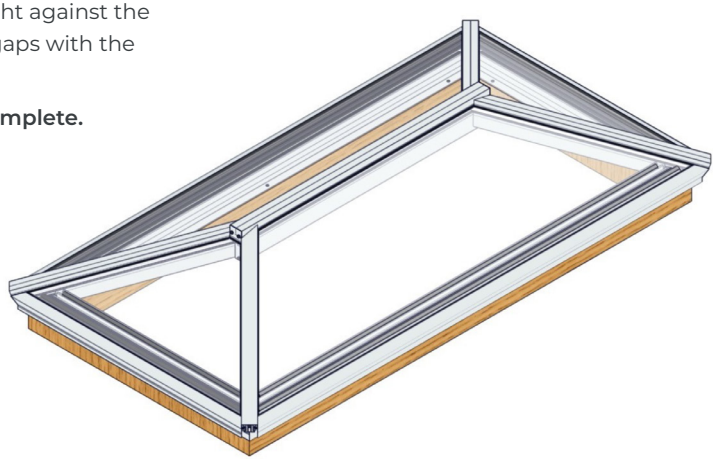
Step 13

Fit the Glazing Caps

Repeat the process for the **Hip top caps**.

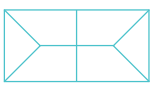
Position the top caps tight against the ridge Cap and seal any gaps with the silicone provided **ridge**.

The assembly is now complete.

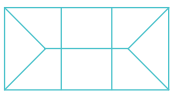


Depending on the configuration of your **skyvu** there may be some hip bars to install. **Repeat Step 5 and 6** until they are all fitted, any of these configurations are possible.

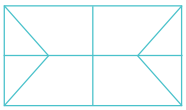
Style B



Style C



Style D



Style E