



## em.glaze™ skyvu

INSTALLATION GUIDE | 28.06.23 | V1.0

Please read this guide all the way through before starting. Check the contents of the box against the materials list:

### TOOLS REQUIRED

- Impact Driver/ Combi Drill
- PH2 Extended Driver Bit
- Rubber Mallet
- Sealant Gun

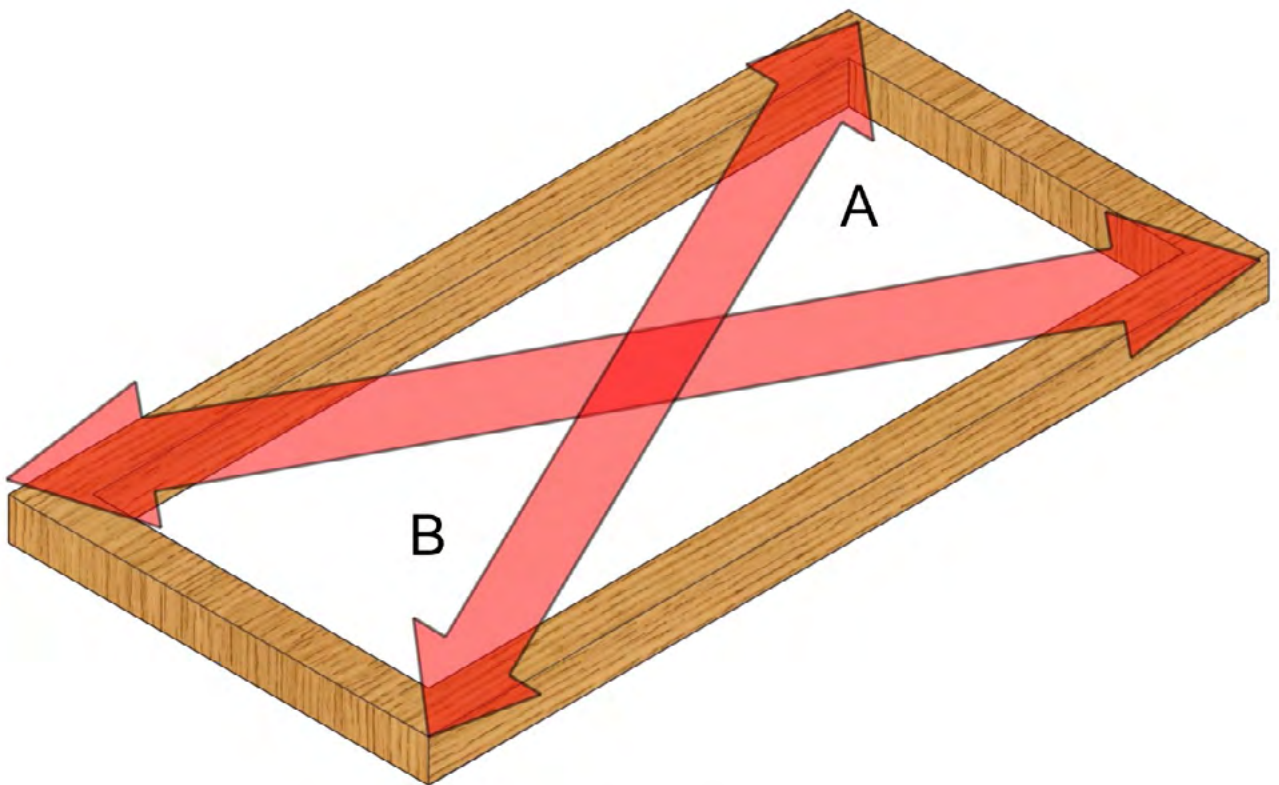
### PACKAGING CONTENTS

- Screws and sealant

Description	Size	Location	Quantity
Pan head tapping screw	4.2 diameter, 50mm length	Ring beam to upstand	10
Pan head tapping screw	4.2 diameter, 19mm length	Cleats	16
Drilling screw, countersunk head screw	4.2 diameter, 50mm length	Thermal breaks	10
Drilling screw, countersunk head screw	3.9 diameter, 32mm length	Bottom of rafters to ring beam	8
Countersunk head screw	M4 x 10mm	Spiders	8
Neutral silicone perfect	310mm cartridge		1

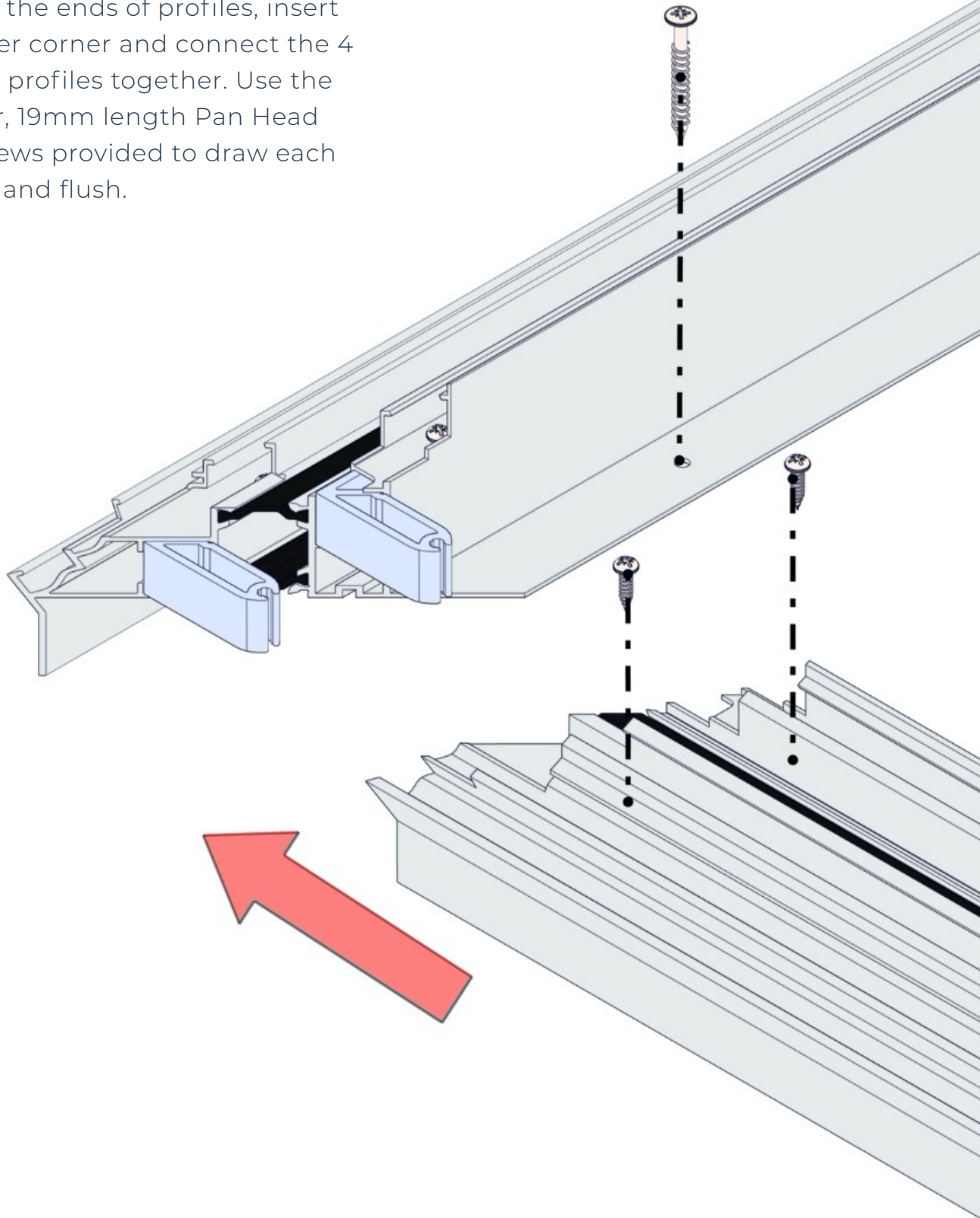
## STEP 1

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.



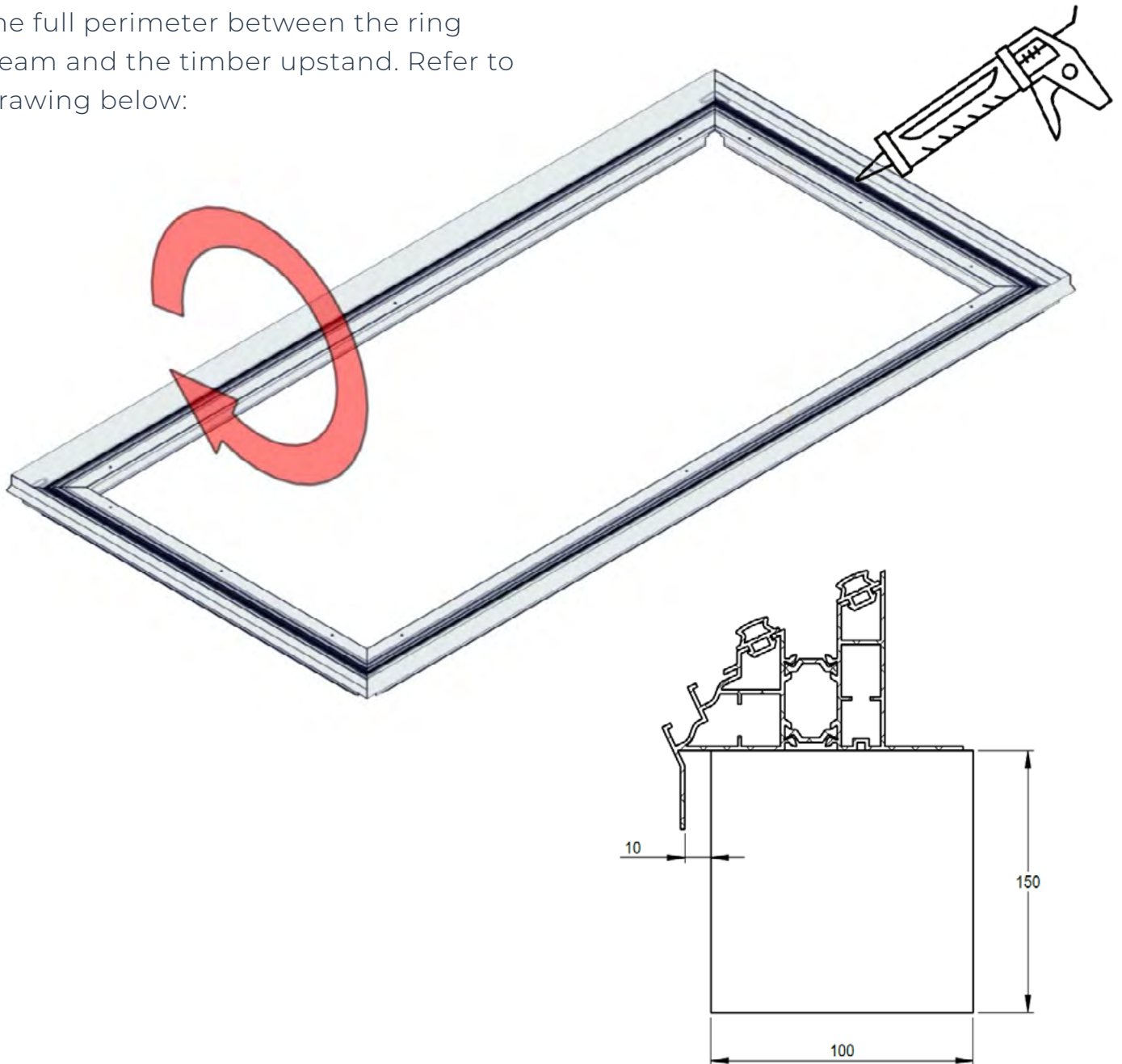
## STEP 2

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.



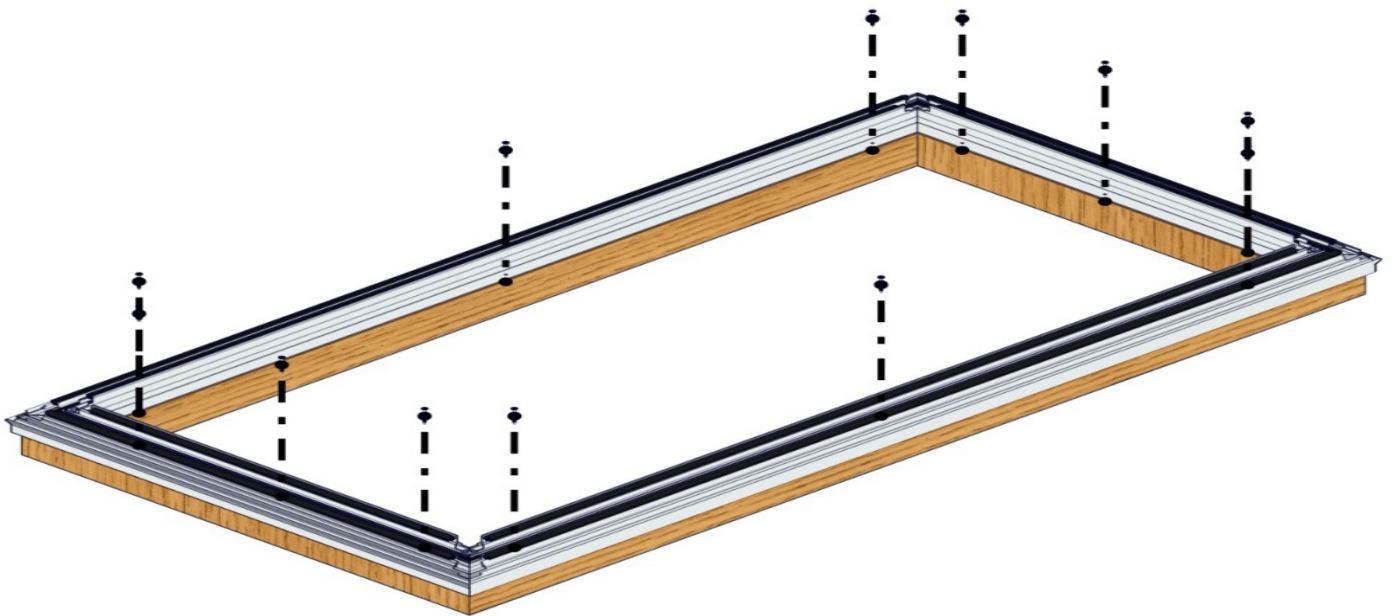
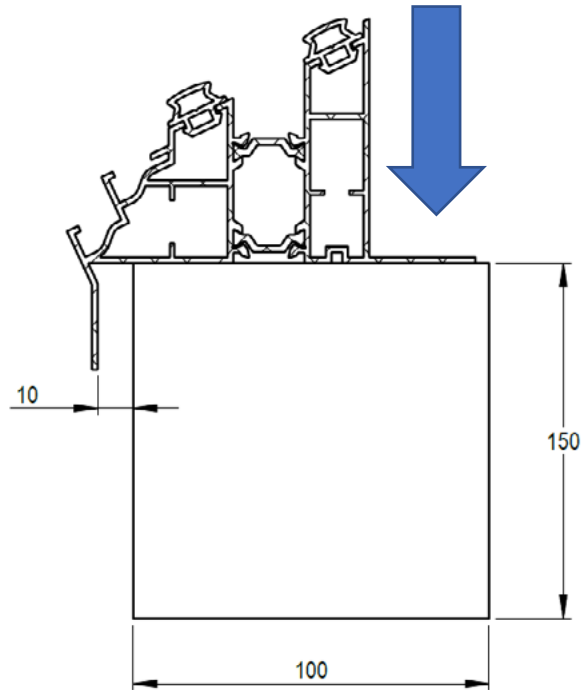
**STEP 3**

Turn the **ring beam frame** upside down and apply a generous bead of silicone along the channel shown. Place the ring beam frame on the timber upstand. Use packers to ensure a 10mm gap around the full perimeter between the ring beam and the timber upstand. Refer to drawing below:



## STEP 4

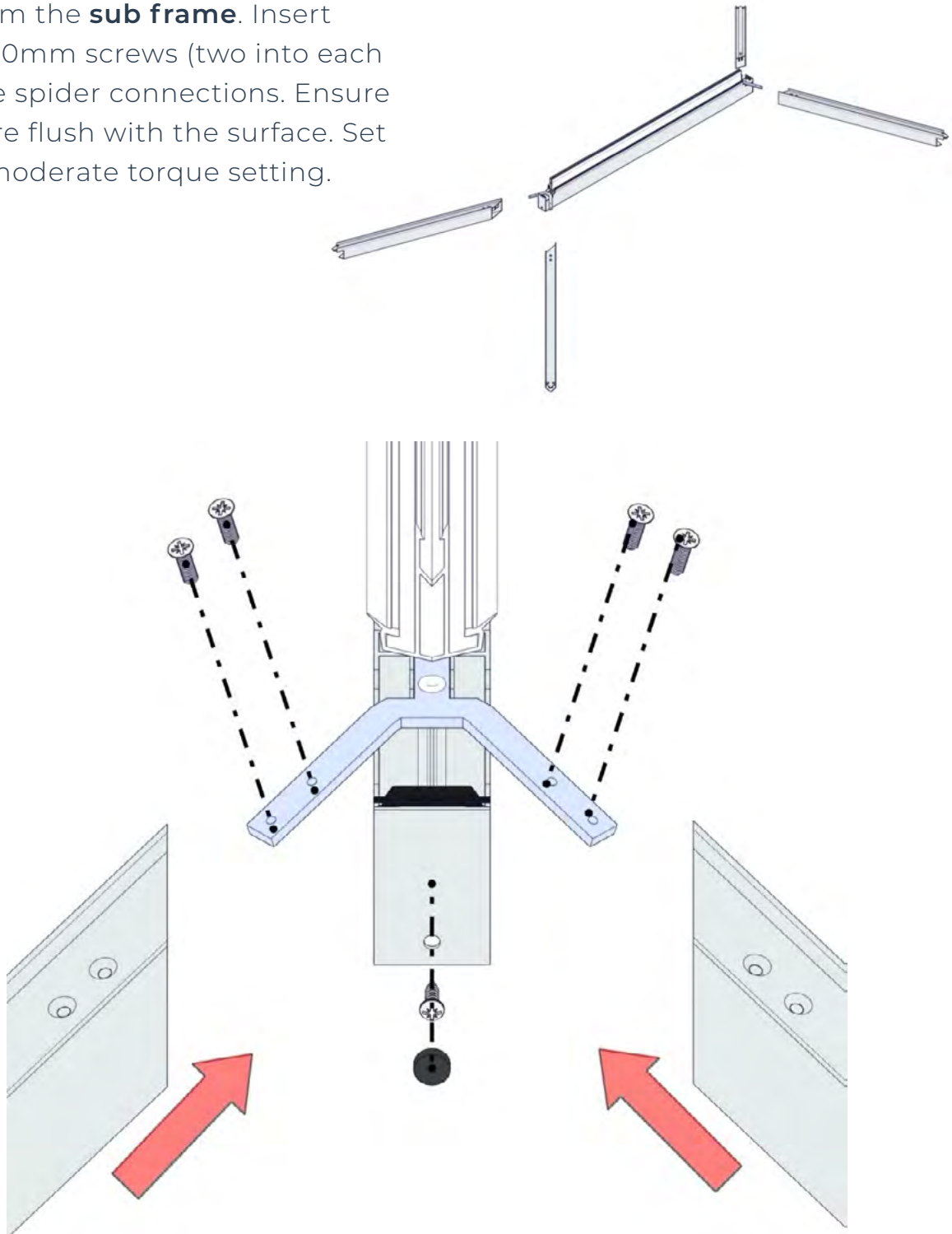
Using the 4.2 x 50mm Pan Head screws provided, fix the ring beam profile into the timber upstand through the internal leg of the ring beam. Recommended 100mm spacing from each corner and 300mm centers along each profile.





**STEP 5**

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.



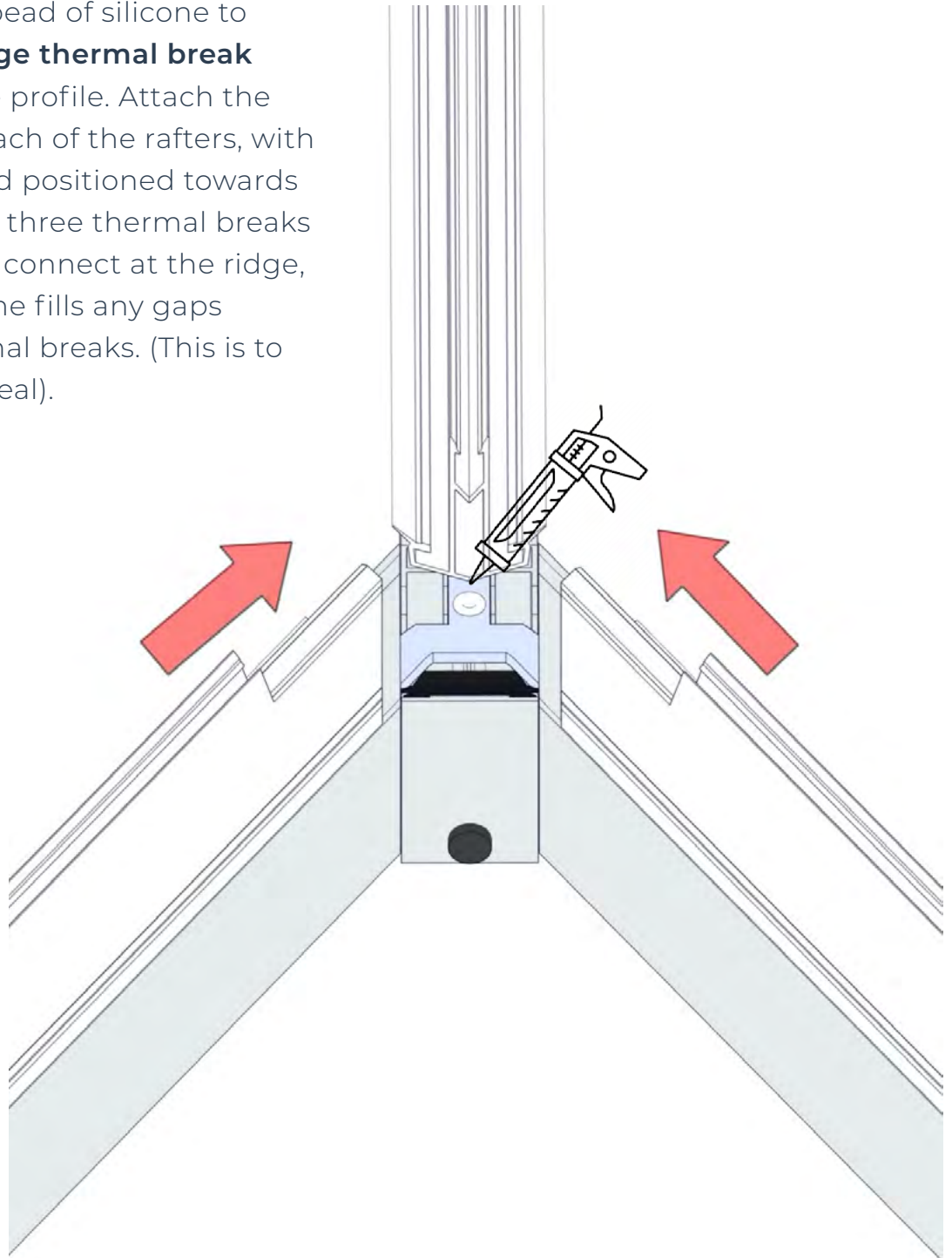
## STEP 6

Place the sub frame **Hip rafters** and **ridge** onto the **ring beam**. Place each Hip into the machined slot. Use the 3.9 x 32mm self-drilling screws to attach each of the Hips into the ring beam frame. Ensure all screws are flush.



## STEP 7

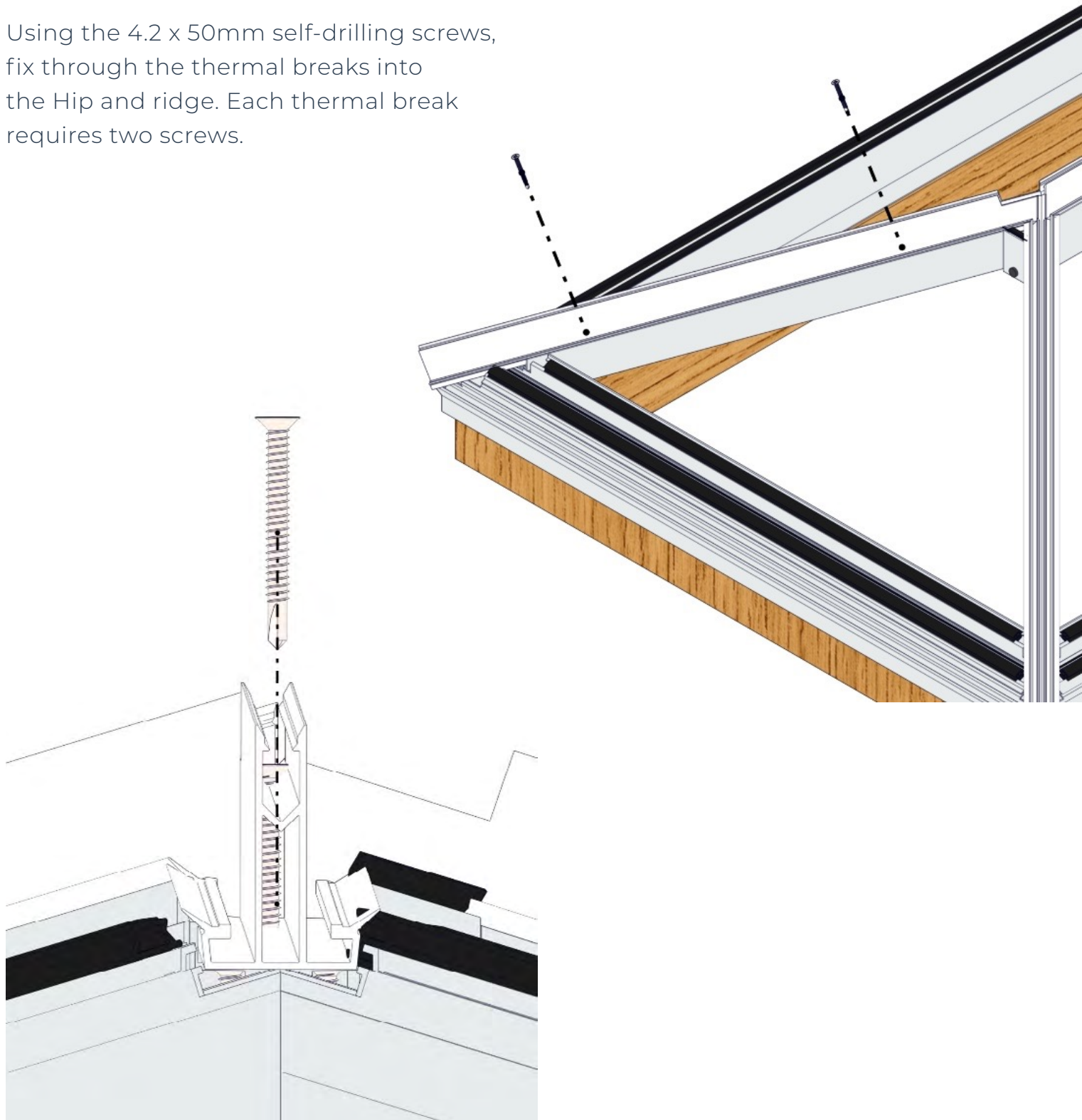
Apply a generous bead of silicone to the ends of the **ridge thermal break** and attach to ridge profile. Attach the thermal break to each of the rafters, with the straight cut end positioned towards the ring beam. The three thermal breaks must meet up and connect at the ridge, ensuring the silicone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





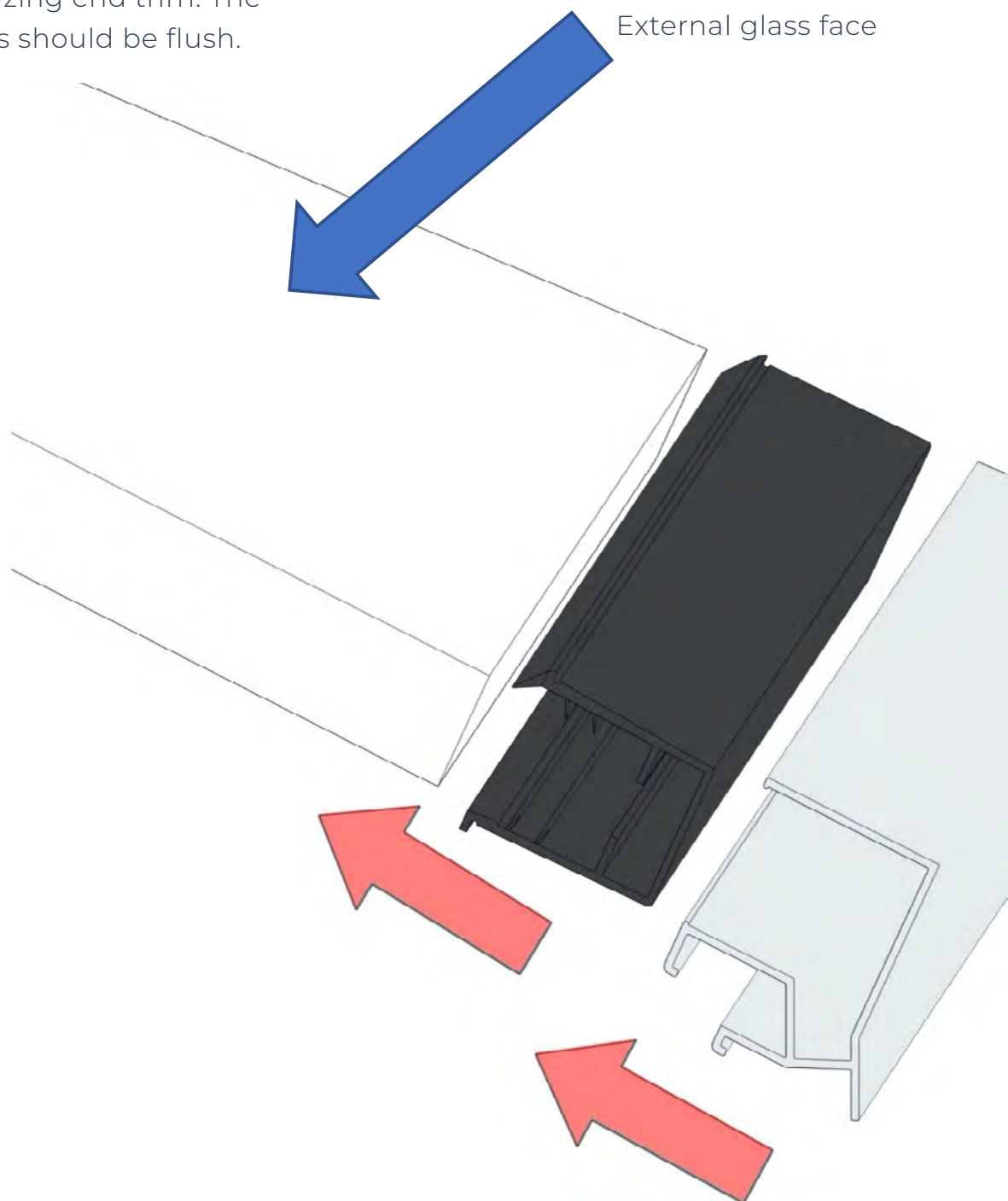
## STEP 8

Using the 4.2 x 50mm self-drilling screws, fix through the thermal breaks into the Hip and ridge. Each thermal break requires two screws.



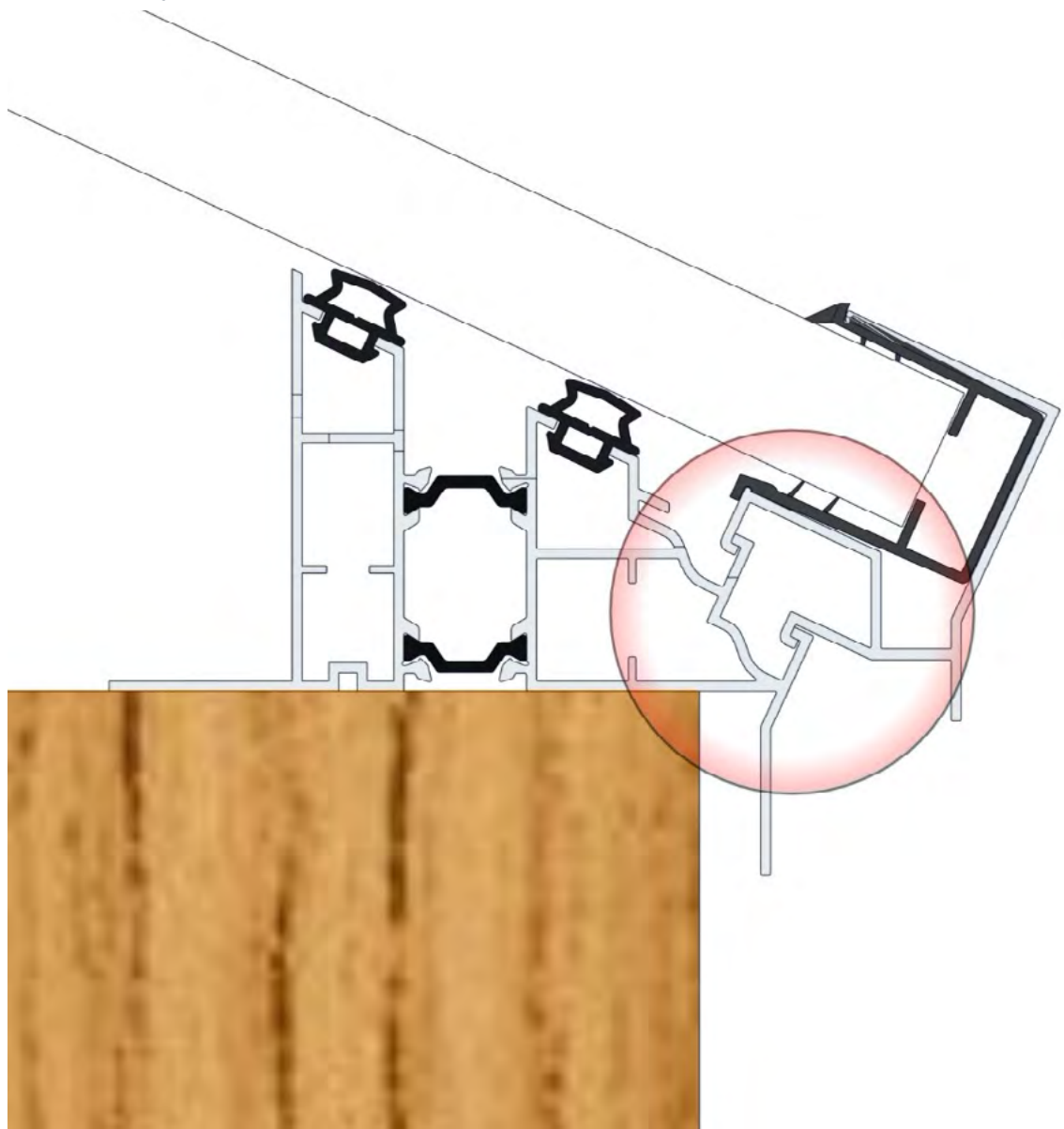
**STEP 9**

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.



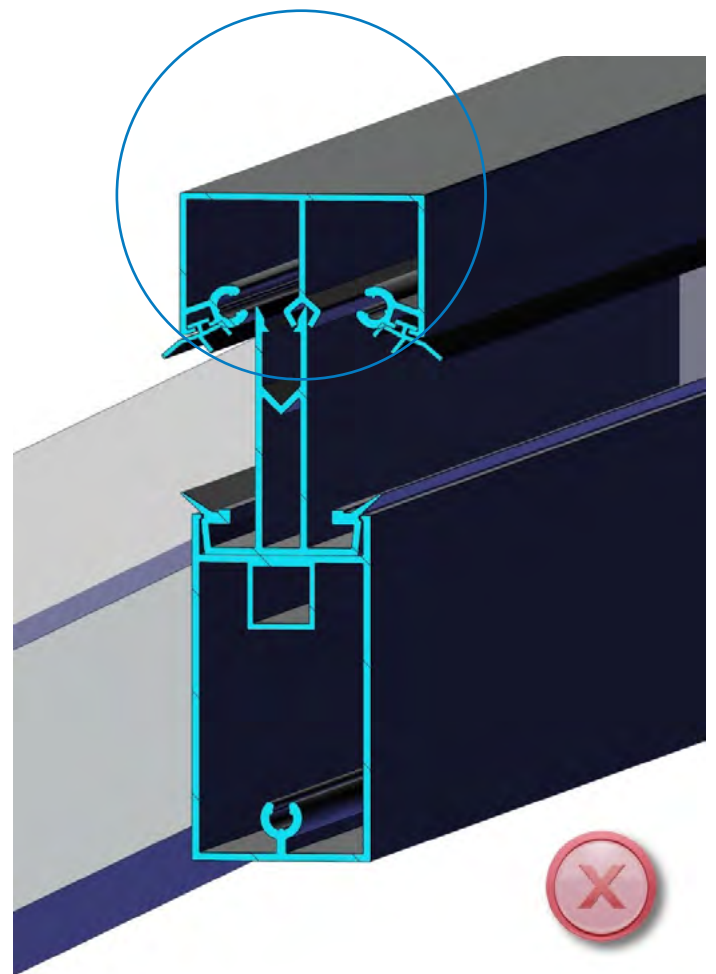
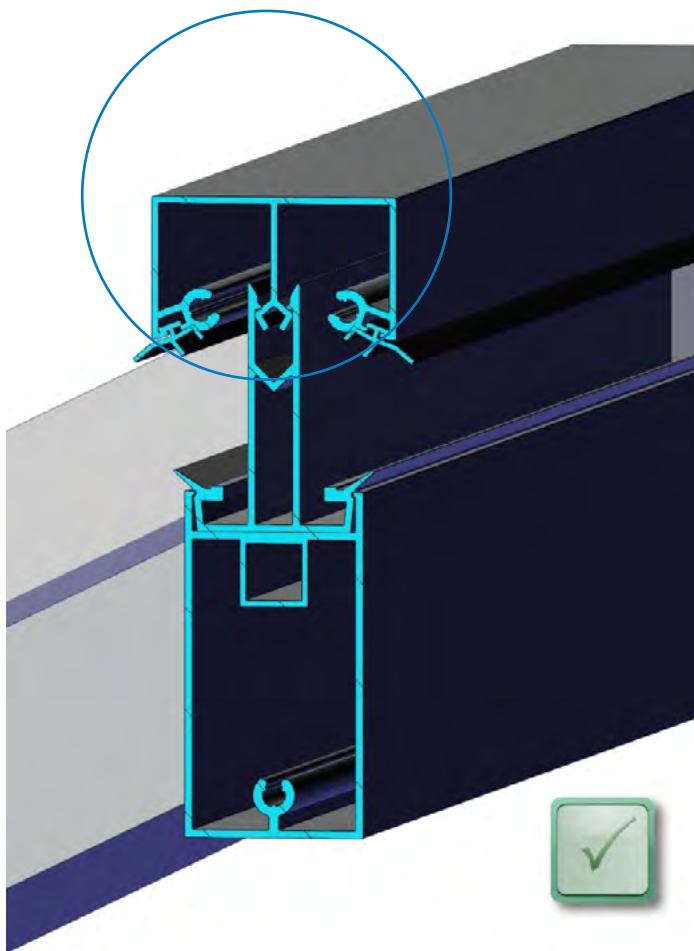
**STEP 10**

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.



## STEP 11

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:





## STEP 12

Repeat the process for the **Hip top caps**. Position the top caps to be flush with the **ridge**. The assembly is now complete.

