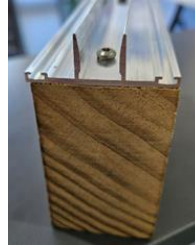


## INSTALLATION INSTRUCTIONS FOR FLAT SHEET (Acrylic & Twin Wall)

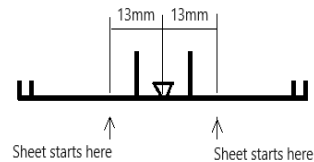
**1.** Measure and cut the Aluminium joiner to the required length allowing at least 30mm over hang beyond the rafter for the end cap. With the fixings supplied, or your own, attach the bottom piece of joiner to the rafter running in the direction of the sheet length. To fix in place, drill through the center of the bottom piece of the joiner at 400mm intervals OR 300mm if you are in a high wind area.



**2.** If you have purlins OR intermediate rafters run the anti noise tape along all of these now with the sticky side applied to the rafter. Note, you do NOT need to apply noise tape to the rafter that the joiner is being fixed to.



**3.** Once in place, measure and cut the Acrylic OR twin wall to size (if required), allow for 3mm expansion down each side of the joiner. If you have the materials but have not yet worked out your sheet widths, you will need to take off 26mm from your rafter centers for the joiner gain (13mm each side) This 13mm per side allows for expansion. *For example, 640mm rafter centers less 26mm = 614mm sheet width. If using Twin wall this is when you will apply the dust tape along both open ends of the flutes.*



**4.** Slide the Butterfly Rubber into the 4 channels on the top and bottom pieces of the aluminum joiner. If you are using a joiner for an outside edge, you do not need to run butterfly rubber down the last outside channels, leave these free. This is where you will run the edge strip once the top piece of the joiner has been clicked into place.



**5.** Before placing the sheets into position, remove 100mm of the top and bottom film on the sides which will be going into the joiner. Place the sheets into position ensure you have a 3mm gap from the inside of the Aluminium on both sides. Place the top piece of the Aluminium joiner into the base of the bottom piece and click into place. You will need to apply some force to fully lock the top piece in, you can use a rubber mallet or a hammer and a piece of timber. Please note that you must place sheets on both sides of the joiner before locking the top piece down. We would recommend for high wind areas you put a fixing through the center of the joiner once clicked together, one at the top, middle and bottom. You can use our stainless steel sheet fixings and bonded washers for this.



**6.** Once joiner has been clicked together, fit the supplied 50mm end cap over the end of the joiner. This can be fixed with a single screw through the top. OR a long rivet. If you are using our joiner on both outside edges you will need to slide the supplied edge strip into the outside edge of the joiner before putting the cap on.



**7.** Once all your sheet is installed, remove the protection film on both sides if not already done. This film will either be a paper or plastic film. **If using Twin wall, this is when you will apply the polycarbonate end cap.** Please note that you should not leave this protection film on the sheet sitting in the sun for too long. If it is a paper film, do not get this wet as it is very hard to remove if wet.

### Additional notes:

If you are fixing sheet directly to the rafters OR purlins please ensure that you pre drill a 8mm to 10mm expansion hole through your sheet. This allows the sheet to expand and contract around the fixing. The best way to do this is with a step drill bit and our stainless steel sheet fixings with bonded washers.