

## Solar Shield Alilite Roofing System

### Installations Instructions - Rafters

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#### Step 1:

Insert rubber gaskets into the top Alilite beam.

Measure 100mm from one end of the bottom glazing bar and drill a 6mm hole using the narrow line in the centre of the beam as a guide. Repeat at the other end.

#### Step 2:

If you are intending to install a Gutter allow the Alilite Beam to overhang the end of your roof by at least 50mm.

Insert rubber gaskets into the bottom Alilite beam.

#### Step 3:

Join the top and bottom Alilite beams together. **MAKE SURE THE ENDS ARE ALIGNED PERFECTLY.**

**3.1** Using a 2mm pilot, drill completely through the Alilite beams every 300mm along the full length.

**DRILL THE FIRST HOLE 70MM FROM THE END OF THE ALILITE BEAM.**

**3.2** Using these holes as a guide, drill a 6mm hole firstly through the top Alilite beam then turn over and repeat on the bottom beam.

**Tip:** This is easier than trying to drill the 6mm holes all the way through the aluminium in one step.

#### Step 4:

Using 50mm screws, fix the bottom Alilite beams to the rafters in the pre drilled holes 100mm from each end.

#### Step 5:

Fit the end cap to the end of the Alilite Beam at the gutter end. Use aluminium rivets or screws to attach at the top of the glazing bar. Check that the bottom of the end cap lines up with the bottom edge of the Alilite beam.

#### Step 6:

Peel 50mm of the protective PE masking away from the long sides of each Acryglaze panel (on both sides).

Ensure you leave the rest of the protective film on until the job is complete to avoid damage.

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#### Step 7:

Place 2 Acryglaze panels on the bottom alilite beam.

Ensure there is at least a 2mm gap between each sheet of Acryglaze and the screw hole to allow for expansion and contraction of the Acryglaze.

#### Step 8:

Fix with 50mm screws into the pre drilled holes at 300mm centres.

DO NOT OVER TIGHTEN THE SCREWS AS THIS WILL NOT ALLOW THE ACRYGLAZE TO EXPAND AND CONTRACT.

#### Step 9:

Clip on the top cover as you go. Tap down with a rubber mallet until it clicks into place.

ONCE THE FIRST TWO PANELS OF ACRYGLAZE ARE INSTALLED, SECURE AND COMPLETE ONE PANEL AT A TIME.

#### Step 10: (Gutter Option)

To install a gutter, ensure you install the Alilite beam with a minimum overhang of 50mm from the end of the roof. Then attach the gutter brackets to the end of the rafters.

#### Step 11: (Finishing Panel)

You can finish off each edge of the roof by installing a "F" bracket or using a 100mm strip of Acryglaze.

Simply remove the bottom rubber gasket from the outside of the Alilite beam where you can install the "F" channel. Or you can insert the 100mm strip of Acryglaze.

#### Step 12:

To finish your canopy, completely remove all remaining protective film from the top and bottom of the Acryglaze.