



THE ThermaCore

WARM ROOF

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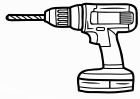
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5 Fixing the Roof Sections cont.

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You Will Need:



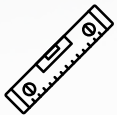
Cordless Drill



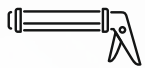
Hammer/Mallet



Hand Saw



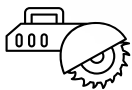
Spirit Level



Sealant Gun



Roofing Stapler



Rip Saw



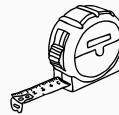
Clamp



Ladders



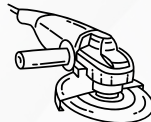
Stanely Knife



Tape Measure



Tin Snips



Angle Grinder



Acroprop

1



Remove the existing conservatory roof. Then run a bead of silicone along the top of the frames to create a weather seal.

2.1



Fit the eaves beam to the top of the frames so the inside edge of the beam is flush with the inside edge of the frame. Where the eaves beam is longer than 5.3m they must be joined at the pre-cut 45 degree angle and fixed to the frames on either side of the joint, 100mm apart.

2.2



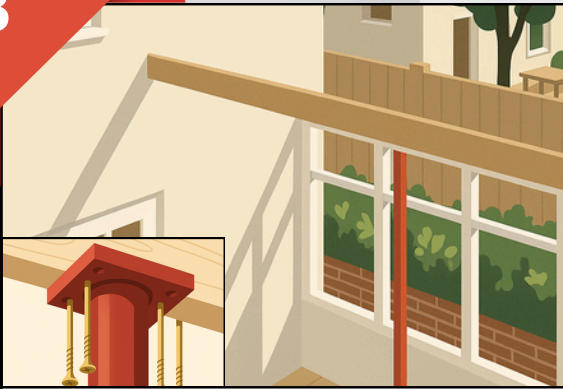
Use the M5 x 90 screws to fix through the frame and into the eaves beam at MAX 500mm centres and Max 150mm in from the ends of a single eaves.

2.3



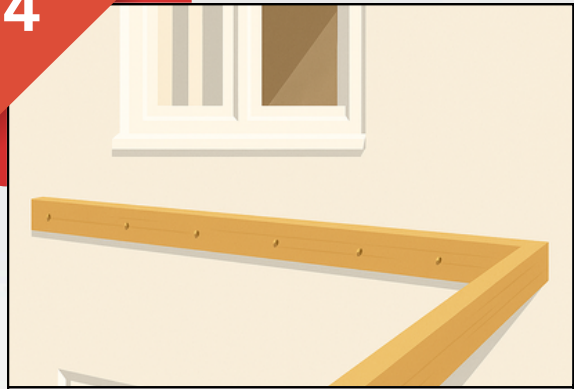
Ensure the eaves beam is dovetail screwed on every corner using the provided M5 x 90mm screws - 3 through one face and 2 through the opposite face at 25mm from the external corner. Same applies for any angle eaves cut.

3



Prop the ridge to the correct height with an acroprop and secure the acroprop to the ridge.

4



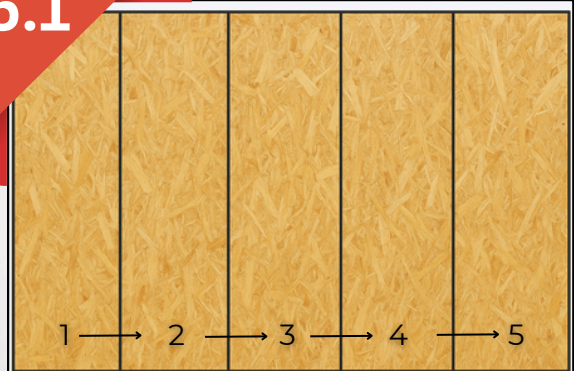
Fix the wall plate with the relevant fixings for the substructure it is being fitted to.

5



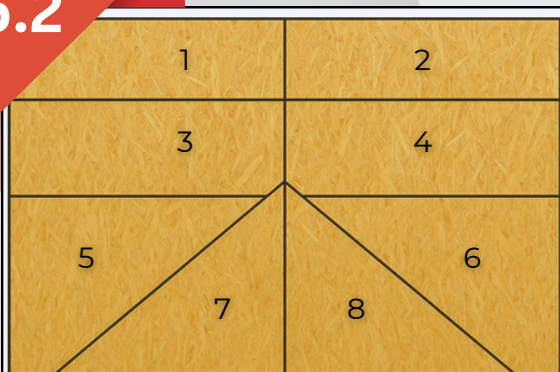
Start installing your roof sections as per the following diagrams. Just temporarily fit the roof sections in place in case slight adjustments are required.

5.1



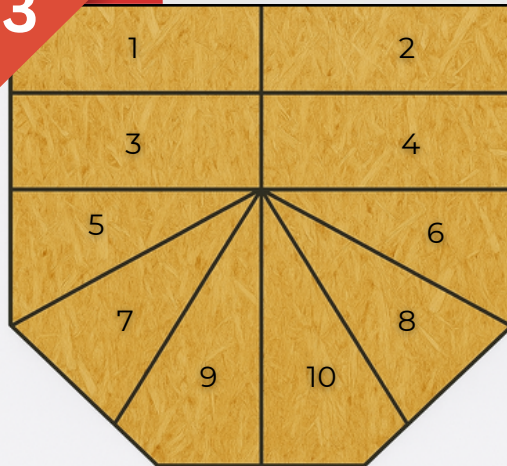
For Lean-to roof styles, temporarily fix the end sections to ensure the wall plate is parallel to the eaves beam, and pack the wall plate where necessary. Once the eaves beam and wall plate have been fitted, follow the section assembly as demonstrated.

5.2



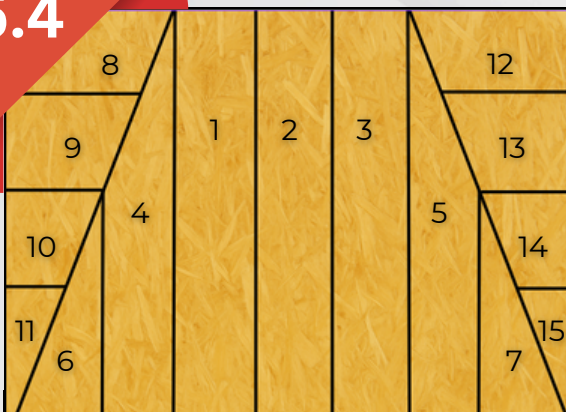
Once the eaves beam has been fitted, follow the sequence above (fix section 1, then 2, then 3 ect.).

5.3



Once the eaves beam has been fitted, follow the sequence above (fix section 1, then 2, then 3 ect.).

5.4



Once the eaves beam has been fitted, follow the sequence above (fix section 1, then 2, then 3 ect.).

5.5



Once the eaves beam has been fitted, follow the sequence above (fix section 1, then 2, then 3 ect.).

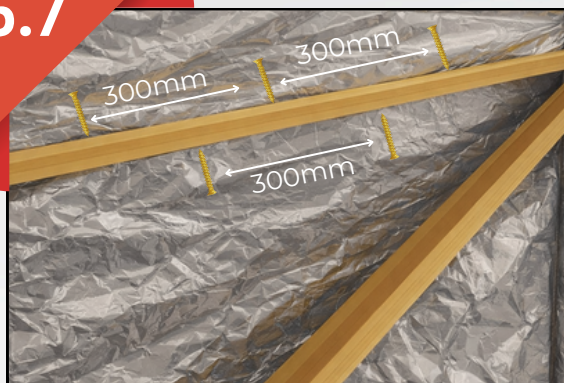
5.6



Your ThermaCore roof is pre-fitted with 90mm PIR insulation boards. These will need to be removed to fix the pods together.

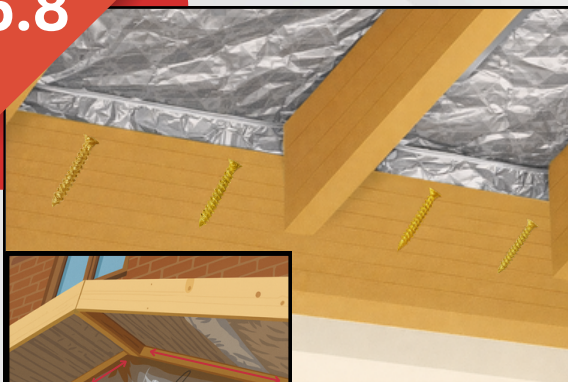
SuperFOIL SF40 will be pre-fitted in the upper section of the roof pod between the 90 mm PIR insulation and the OSB board - do not remove or adjust this.

5.7



When securing the pods together, ensure the screws are staggered from one side to another through all joining section rafters, hips and valleys at every 300mm.

5.8



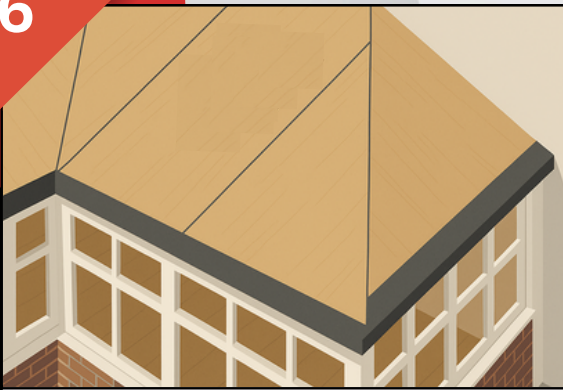
Ensure the roof sections are screwed and secure to the wall plate (along the red line in the bottom image).

5.9



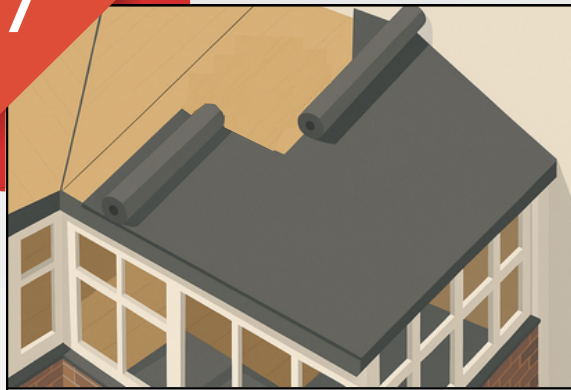
Once the roof is securely screwed in place, replace the 90mm PIR insulation boards into the rood pods.

6



Now fix the eaves trays, making sure when fitting around a corner, you cut a diagonal in the top face of the eaves trays and bend around and staple into position. Make sure there is a minimum of a 100mm overlap where eaves trays are joining, always fixing to the bottom step on the eaves trays.

7



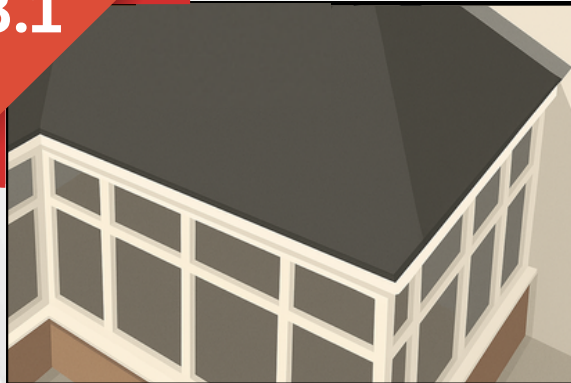
Now lay the first layer of breathable membrane, leaving no less than 100mm overhang around the edges and up a joined wall and staple to the roof. Lay the second layer in the same way, overlapping the first layer or ridge, no less than 150mm, and staple into position. Repeat until the roof is covered, ensuring the layer above is always overlapping layer below. The Breathable membrane needs to finish on the bottom step of the eaves tray.

8



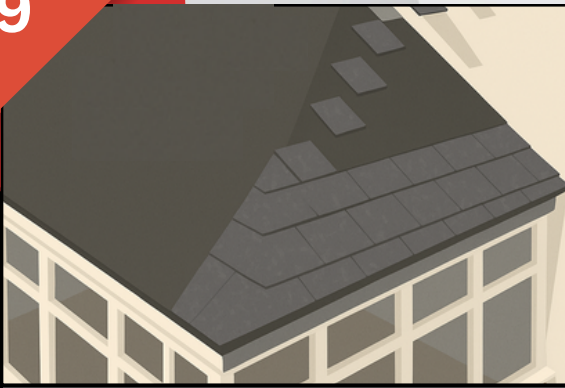
If using Shingle roof tiles, lay the drainage mat, finishing to the same point as the breathable membrane - the bottom step of the eaves tray. The drainage does not need to overlap. Staple to the roof

8.1



After fixing the drainage mat, fix the 90mm starter trim with a 30mm overhang, over the eave tray. If using slate tiles, these two steps are not required.

9



For instructions on tiling your roof, please refer to your provided shingle/liteslate tile installation guide.

10



To finish your roof, fix the fascia and guttering. The ringbeam is designed for the fascia to attach straight to the outside edge. Guttering is fixed in the traditional way with brackets no more than 1m apart, ensuring there is a fall to downpipe.