



# SupaLite Roof

## Installation Guide



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**1** Measure the roof area you will be working on and check that all the frames have been installed square and are the correct size.

**2** Revert to the hardware packing list for all components supplied with the roof system.

**3** Before you start to install the roof you will need to prep the eaves beam with M6 bolts and the under clad soffit.

**4** Slide the soffit board into the underside of eaves beam, trim the soffit to correct size and angle needed.

**5** You will need to slide the M6 bolts into the eaves beam as shown. The wall bars needs 1 bolt each the rest will need 2 bolts on each rafter & hip.

**6** Fix eaves beam together with cleats as shown.

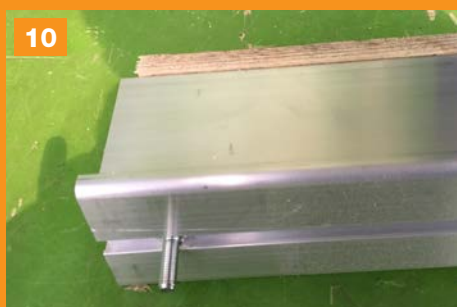
**7** Fix the frames and eaves together with baypole fixings. If you require support mullions, fix these to the inside of eaves beam making sure the bottom plate is sat on the outer leaf brick.

**8** Refer to drawing to see the bar layout.

**9** Insert cleats to rafter and hips to attached to eaves beam as shown.



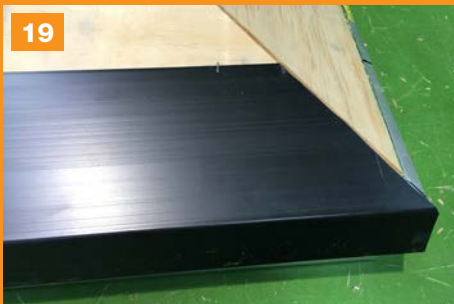
- 10** Slide M8 bolt to underside of rafter to attached to ridge.
- 11** Attached the cleats over the eaves beam bolts and tighten with flange nuts, making sure the centre of bar is in line with marked eaves beam.
- 12** Slide the jack cleats to each side of hip, and M8 bolt to underside of rafter.
- 13** Side 2 bolts into underside of hip and attach to boss end.
- 14** Hip should point to centre of ridge.
- 15** Bolt the jack rafters to hip jack cleats.
- 16** The insulation are cut and numbered starting to the right of bar number 1 running anti clock wise.
- 17** Ply is all cut and numbered refer to ply layout for the position.
- 18** Fix ply to eaves beam (If possible) with 38mm screws provided, fix the rest with nail gun or screws.





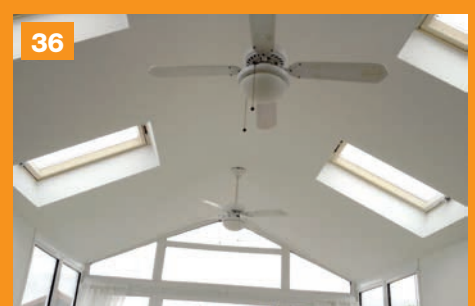
# Installation Guide

- 19** Place eaves tray so the end will drop into gutter.
- 20** Felt the roof and batten every 250mm vertically and fix tile starter cleat.
- 21** Leave batten 60mm away from wall, and create a lead valley in gap then come up wall by 70mm.
- 22** Mark correct angle on the tiles for the hips.
- 23** The first tile will lock into the tile starter cleat.
- 24** Tiles will have to run right to left to allow the tiles to interlock into each other.
- 25** Cut the tiles with SupaLite nibblers or grinder.
- 26** Once tiled get battens ready for the ridge caps.
- 27** Space the battens at 220mm for large ridges or 130mm for short ridges (centred from hip).



- 28** Ridges are tapered, code on the reverse should be pointing down hip.
- 29** Fix ridges and caps by screwing through the side of the ridges and in to the timber battens (as shown on image 27).
- 30** as point 29.
- 31** as point 29.
- 32** Ensure that ALL internal joints between the rafters and 100mm PIR are sealed using 50mm aluminium foil tape.
- 33** Fix internal battens horizontally at 610mm centres. Please refer to the following pages for installation of roof vents and valleys.
- 34** Fix insulated plasterboard to horizontal battens with drywall screws.
- 35** Cover all insulation joints and edges with Aluminium Foil Tape (not supplied) or Silicone (not supplied).
- 36** Skim insulated plasterboards to complete.

**IMPORTANT NOTE:** We strongly recommend the installation of **trickle vents** around the internal perimeter of window frames to provide adequate ventilation. We also recommend the installation of **air bricks** into the dwarf walls of the conservatory.



Aluminium Foil Tape (not supplied)

# Roof Vent Installation

**37** Mark out the position of the roof vent. This may have to be measured internally and marked on the outside.

**38** Cut out ply and insulation.

**39** Fix roof vent. Place on top of plyboard. Please note roof vent and side flashing does not sit on timber battens.

**40** Measure and fix battens up to the flashing kit.

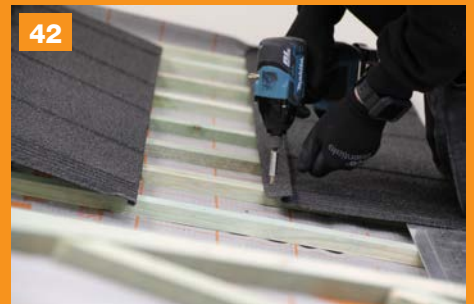
**41** Keep battens tight up to the side of the flashings.

**42** Tile up to and around the roof window.

**43** as point 42.

**44** You may need to cut tip of the tile to fit in to the bottom of the flashing kit.

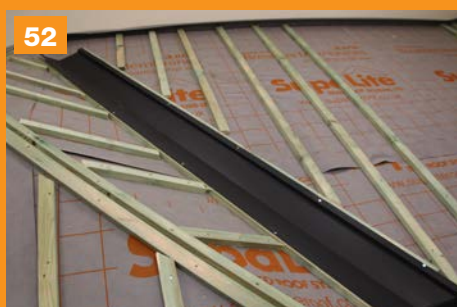
**45** Refer to the roof vent installation guide for the fitting of vent trims.





# Valley Installation

- 46** Lay out the valley tray in position.
- 47** Fix battens up the side of valley tray.
- 48** Cut bottom of valley tray to follow the roof line.
- 49** Fix valley tray down to the battens.
- 50** Cut out bottom of the tray to allow for the tile batten.
- 51** as point 50.
- 52** Continue to tile up the valley.
- 53** Leave approx 80mm tile gap in the centre of the valley.
- 54** Completed valley.





#### **Important Information for SupaLite ECO Roofs:**

It is important that the same installation procedures are followed for the Eco Roofs as for the Standard SupaLite Roofs apart from the addition of 3 x 2 timbers are to be fitted to the head of the window frames before fitting the Eco Roof Ring Beam.

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