



INSTALLATION GUIDE

SUPALITE ROOF



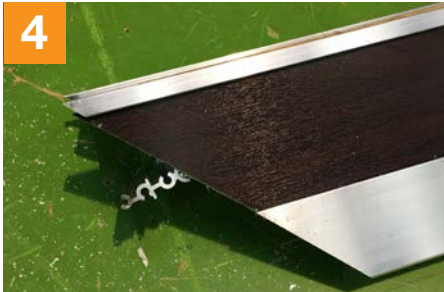
Measure the roof area you will be working on and check that all the frames have been installed square and are the correct size.



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



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



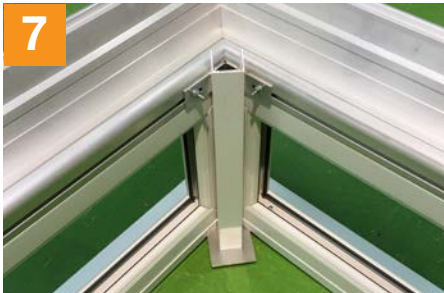
Slide the soffit board into the underside of eaves beam, trim the soffit to correct size and angle needed.



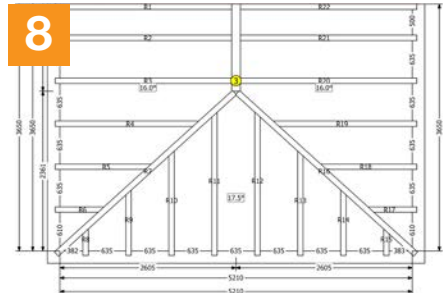
Slide the M6 bolts into the eaves beam as shown. The wall bars need 1 bolt each the rest will need 2 bolts on each rafter & hip.



Fix eaves beam together with cleats as shown.



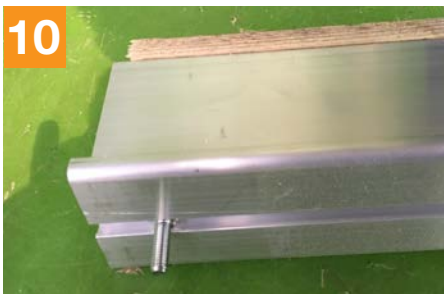
Fix the frames and eaves together with baypole fixings. If you require support mullions, fix these to the inside of eaves beam making sure the bottom plate is sat on the outer leaf brick. (Maximum 450mm Centres)



Refer to drawing to see the bar layout.



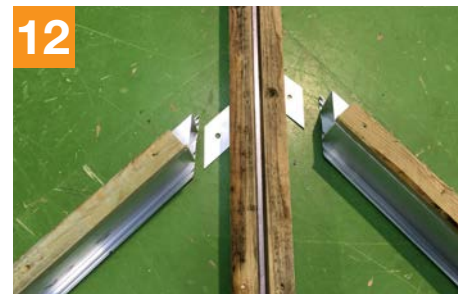
Insert cleats to rafter and hips to attached to eaves beam as shown.



Slide M8 bolt to underside of rafter to attached to ridge.



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.



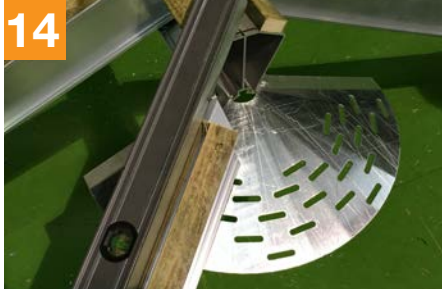
Slide the jack cleats to each side of hip, and M8 bolt to underside of rafter.

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. Check all frames are plumb and that the building is square.

16



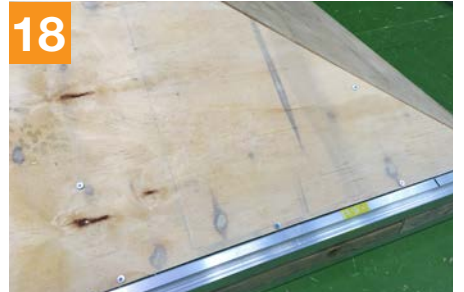
The insulation are cut and numbered starting to the right of bar number 1 running anti clock wise.

17



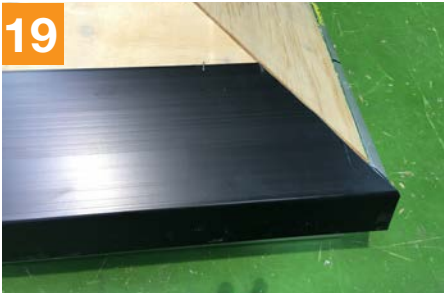
Ply is all cut and numbered refer to ply layout for the position.

18



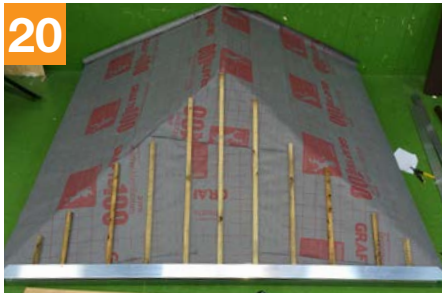
Fix ply to eaves beam (If possible) with 38mm screws provided, fix the rest with nail gun or screws.

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



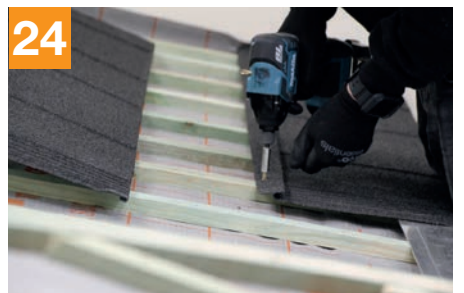
Mark correct angle on the tiles for the hips.

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



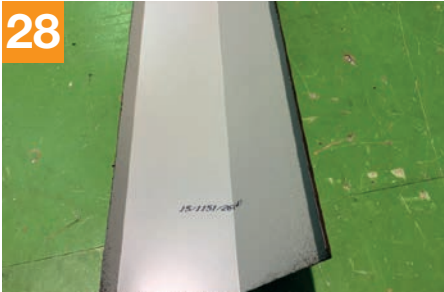
Once tiled get battens ready for the ridge caps.

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



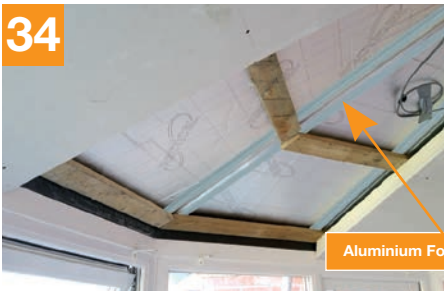
Ensure that ALL internal joints between the rafters and 100mm PIR are sealed using 50mm aluminium foil tape.

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).

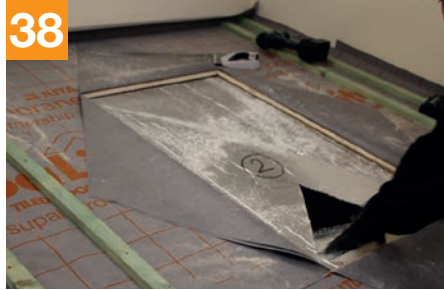
36



Skim insulated plasterboards to complete.



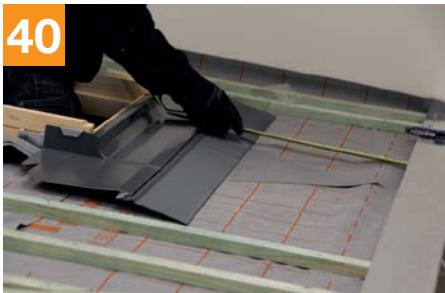
Mark out the position of the roof vent. This may have to be measured internally and marked on the outside.



Cut out ply and insulation.



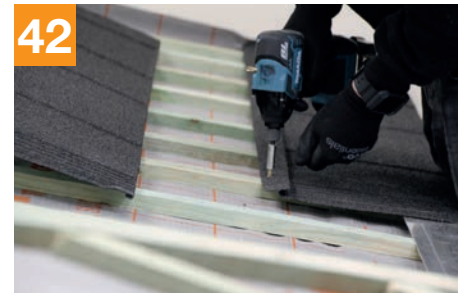
Fix roof vent. Place on top of plyboard. Please note roof vent and side flashing does not sit on timber battens.



Measure and fix battens up to the flashing kit.



Keep battens tight up to the side of the flashings.



Tile up to and around the roof window.



As point 42.



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



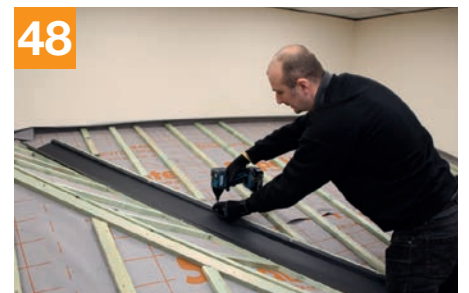
Refer to the roof vent installation guide for the fitting of vent trims.



Lay out the valley tray in position.

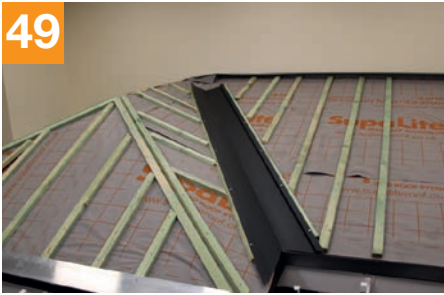


Fix battens up the side of valley tray.



Cut bottom of valley tray to follow the roof line.

49



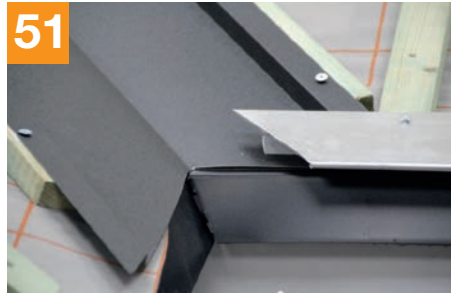
Fix valley tray down to the battens.

50



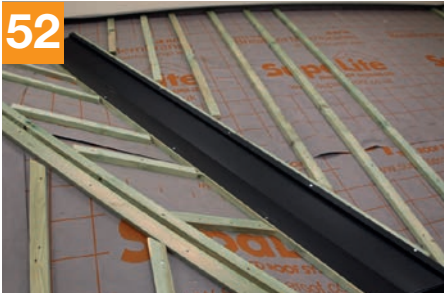
Cut out bottom of the tray to allow for the tile batten.

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.

- Box gutter adaptors should be installed before fitting the box gutter to the conservatory.
- Ensure the aluminium is dry, then we recommend that the aluminium is keyed with sandpaper.
- Apply CT1 sealant (or equivalent) and insert fully. Apply box gutter sealing tape to cover the joint.

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.



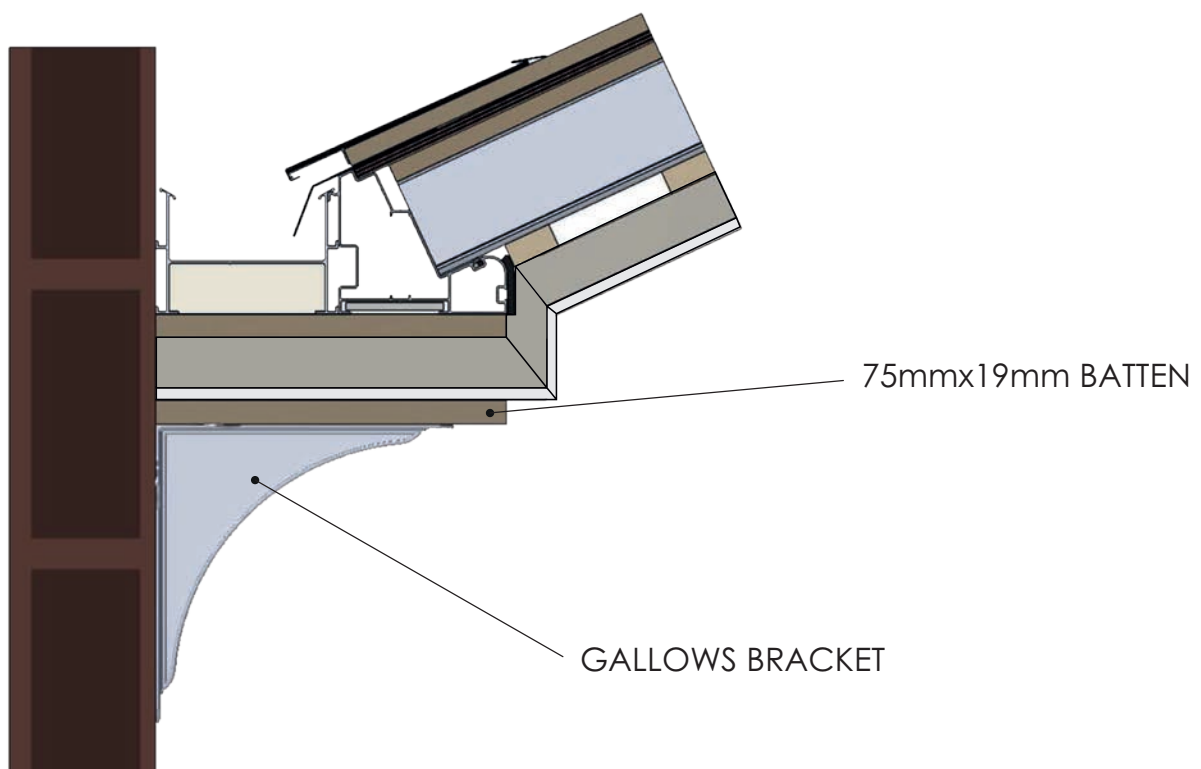
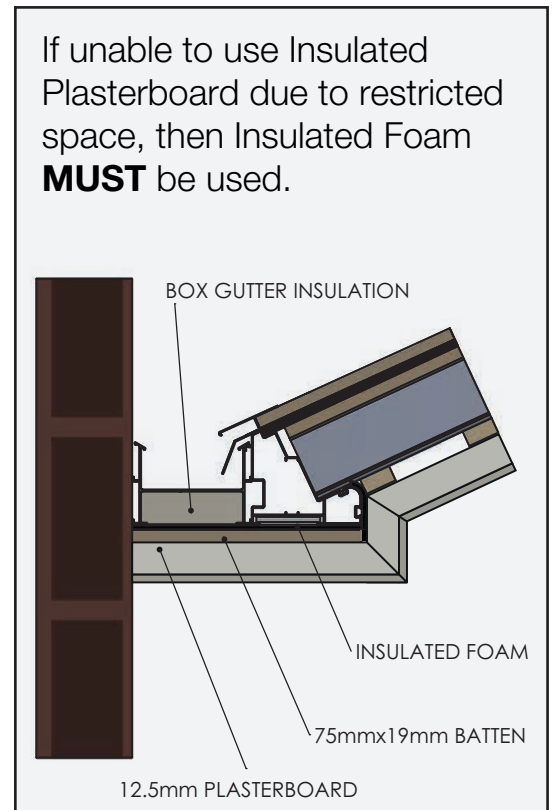
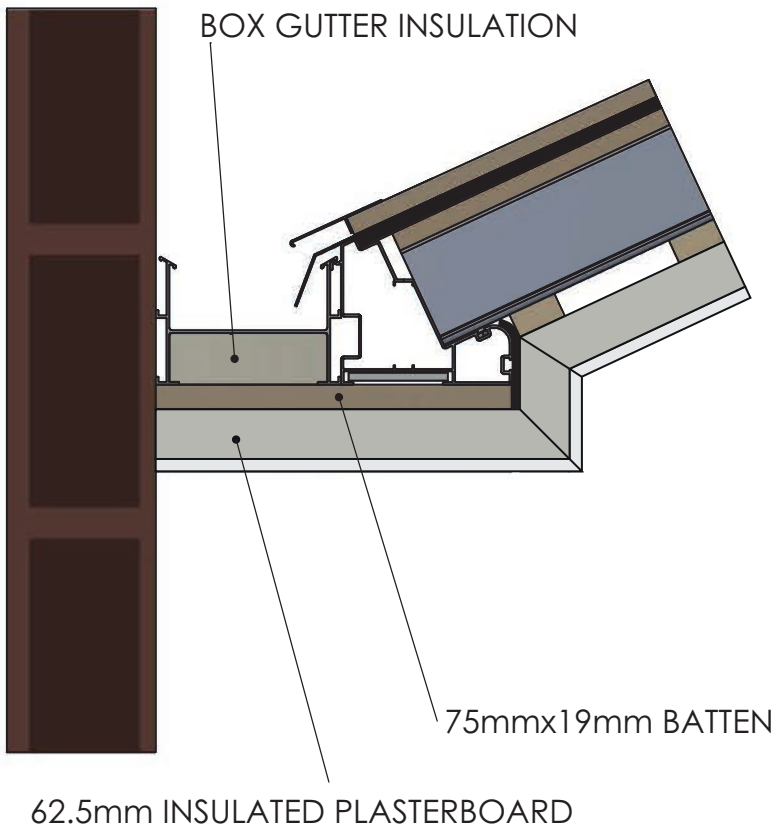
Important Information for SupaLite ECO Roofs

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, which are to be fitted to the head of the window frames before fitting the Eco Roof Ring Beam.

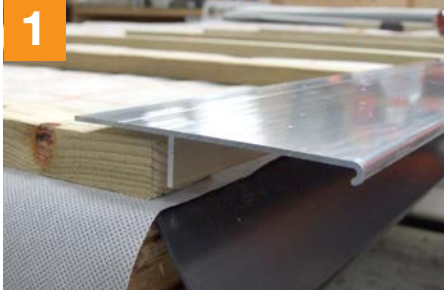
BOX GUTTERS

IMPORTANT: All aluminium **MUST** be insulated with 62.5mm Insulated Plasterboard in order to provide an adequate thermal break.

Failure to insulate aluminium may lead to condensation issues



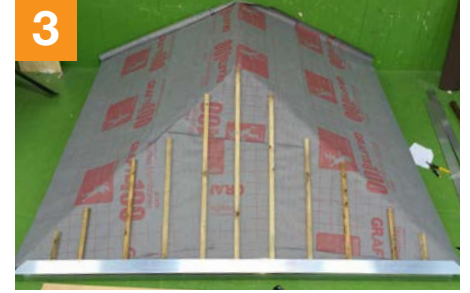
LIGHTWEIGHT TILES



1 Site tile starter cleat.



2 Secure tile starter cleat.



3 Continue to batten and fix starter cleats around complete roof.



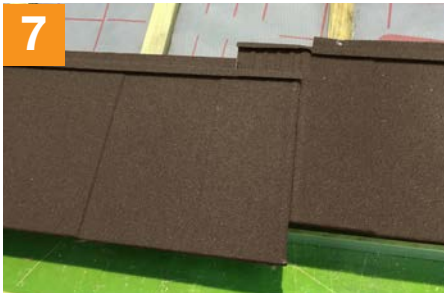
4 Batten along each side of hips.



5 The first tile will lock into the tile starter cleat.



6 Secure tile through top lip.



7 Tiles run right to left to allow the tiles to interlock into each other.



8 Overlap tiles then push firmly upwards to lock.



9 It maybe necessary to use a block and hammer to ensure tight fit.



10 Weatherproof interlocking tiles.



11 Lay out valley trays. Fix battens up the side of valley trays and secure.



12 Cut out bottom of the valley tray to allow for tile stater cleat.

13



ExtraLight nibblers available for tile cutting.

14



Mark correct angle on tiles for hips and valleys.

15



Cut tiles with nibblers or grinder.

16



Cut tiles with nibblers or grinder.

17



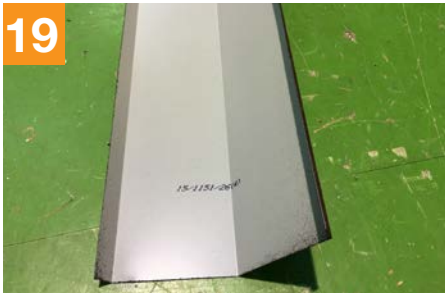
Once tiled batten for ridge caps.

18



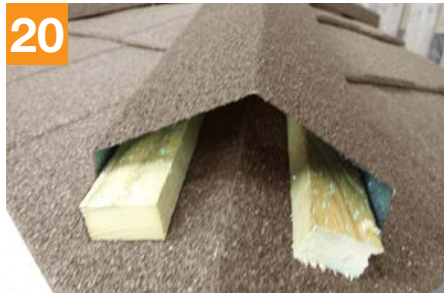
Space the battens at 220mm for large ridges or 130mm for small ridges (centred from hip).

19



Ridges are tapered, code on the reverse should be pointing down hip.

20



Align and overlap ridges and end cap.

21



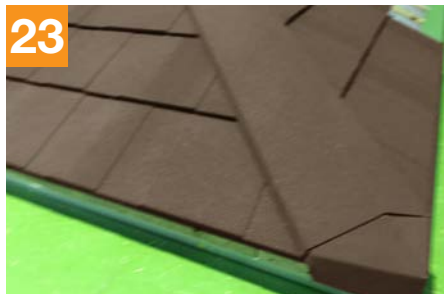
Secure in place by screwing through ridge sides.

22



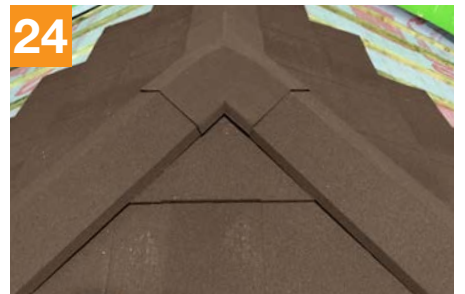
Waterproof membrane should end and eaves tray should fall into gutter.

23



Completed ridge and end caps.

24



Completed 3 or 5 way ridge cover.

ACCREDITATIONS



BBA Certification

The ExtraLight tile was awarded BBA approval, inspection, testing & certification via the manufacturers application in November 2017.



BRE Certification

The SupaLite roof was tested using WUFI software to ensure the roof is free from risk of condensation. BRE have also carried out water/weather testing with a pass to EN15026.



CORGI Certification

SupaLite are the first tiled roof company to be assessed and issued with membership of the respected CORGI Fenestration scheme for supply chain quality and continuity.



JHAI Systems Approval

SupaLite are partnered with JHAI for building control to ensure installations are compliant with regulations. Homeowner certificates* are issued from JHAI along with SupaLite guarantees.

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