

TRANSFORMING LIVING SPACES



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# FULL MANUFACTURE PACKINSTALL GUIDE

#### **Components List:**

Supalite Fixing Kit (1 supplied per 16sqm) 4.8 x 60 Baypole Screws 4.8 x 80 Baypole Screws 5.5 x 50 Self Drill CSK Screws 7.5 x 122 Concrete Screws 3.5 x 32 Drywall Screws 4.2 x 90 Drywall Screws 25mm polypins (appropriate to fascia) 1, 3 & 5mm glazing packers

#### **Roof fixings**

M6 Bolts & Nuts M8 Bolts & Nuts

### Fascia

120mm Fascia board 105mm Soffit board Fascia Corners (90 / 135)\* Straight Joints\* Box Gutter Under Cladding\*

#### SkyVista\*

Cassette – complete with Internal rafter, Intermediate rafter, Gasket, Eaves Beam Foam. PVC End Profile Glazing Bar End Cap Top Cap Top Soaker Glass Soaker BG1 tape

\*Only if required for design of roof

#### **Tools Required:**

Cordless Drill	Tape Measure	Angle Grinder	Pencil
Hand Saw	Acro Prop	Roofing Stapler	Utility Knife
Hammer	Spirit Level	Tin Snips	Wrench
Glazing Shovel			

#### Tile Components

Extralight-Tiles Ridges / Hips\* End Cap (90/135)\* Top Cap ( 3 way / 5 way / Universal)\* Barges / Barge Soakers\* Valley Tray\* Tile Starter Cleat

Tapco-Tiles Ridges

Eaves Trays Wall Soakers\*

#### Gutter

4m/6m Lengths (4m only in Anthracite Grey) Brackets Union\* Stop End\* Corners (90/135 or custom weld)\* 2.4m Downpipe Downpipe Clips 112 offset bends Downpipe Shoe Box Gutter Adapters\* T Welds (special order only)

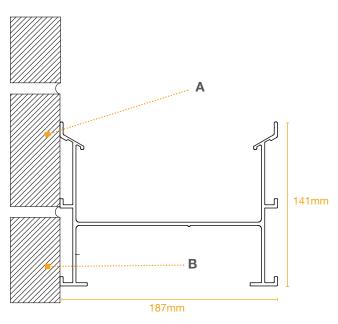
### **Miscellaneous**

Insulation 11mm Board Membrane Roof Vents\* (see separate install guide) Tile Battens Plasterboard Battens

Please note: The above tools are only advisable; It is the responsibility of the installer to ensure the correct safety equipment is used on site. Additional tools may be used.

### BOX GUTTER TO THE WALL FIXING

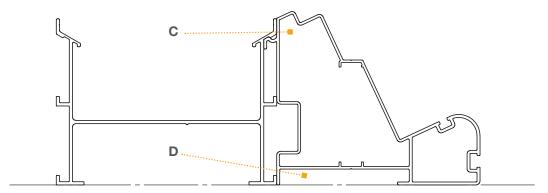
\*If not installing a box gutter please go to page 10 to begin installation.



To secure the box gutter to the wall use a minimum of a 120mm Masonary fixings

IMPORTANT: Fix box gutter in the designated point to the wall. (A & B)

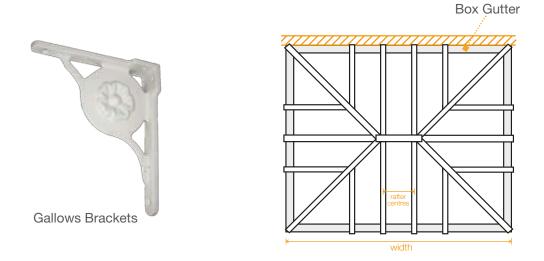
### EAVES TO BOX GUTTER FIXING



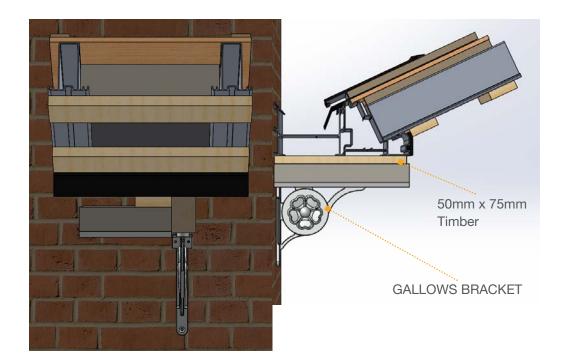
Position eaves beam to be parallel with the underside of the box gutter. Fixing points are **C & D** (Aluminium 35mm self tapping screw) fix every 200mm.



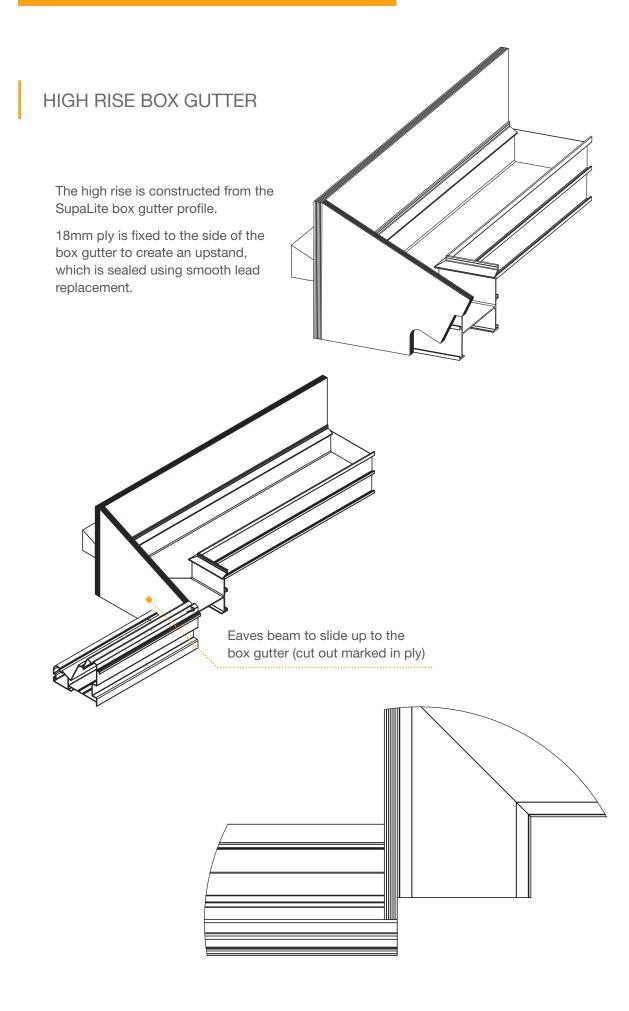
# GALLOWS BRACKETS / BOX GUTTER SUPPORTS



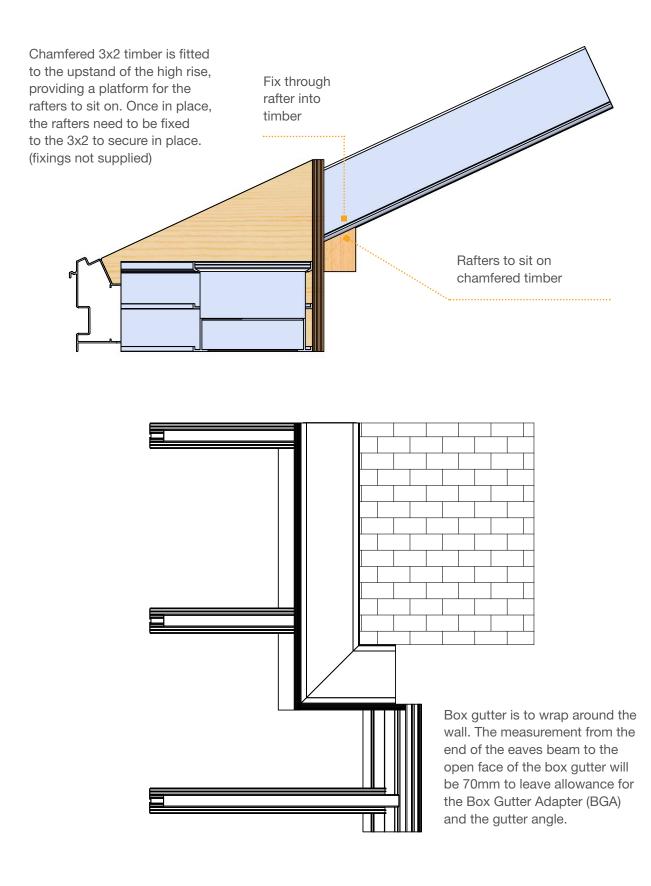
All box gutters with a length exceeding 3000mm require support from either a gallows bracket or by means of a supporting brick pier / wall



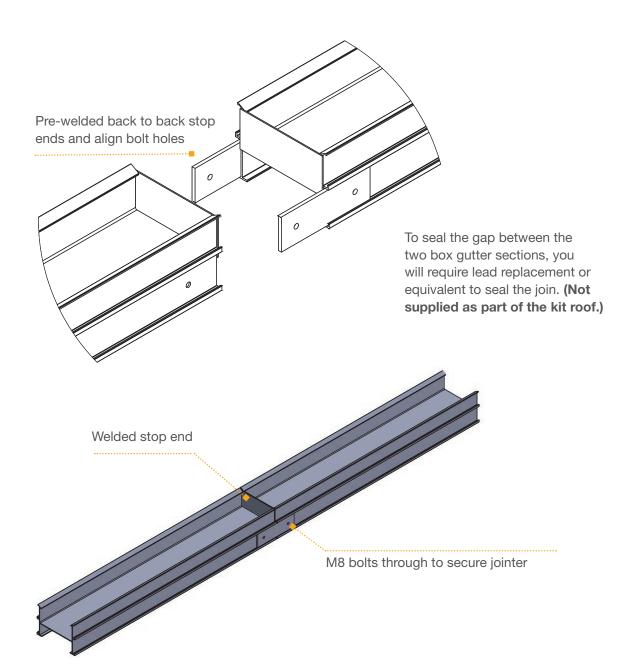








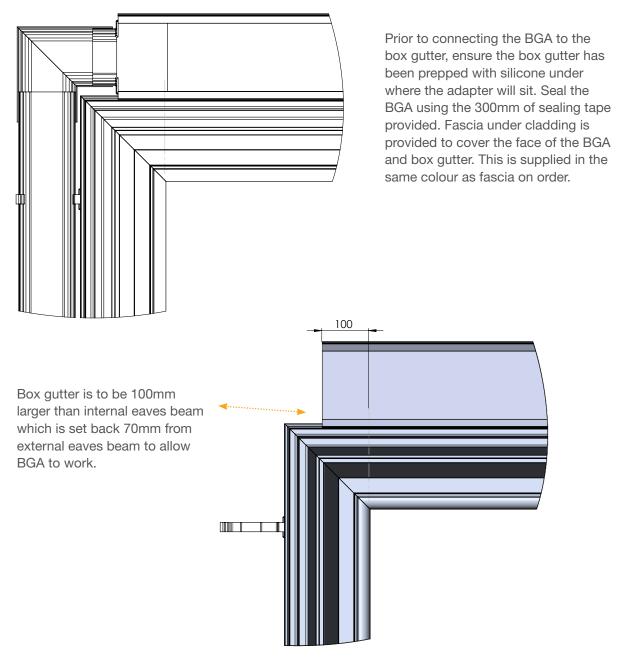
# BACK TO BACK BOX GUTTER



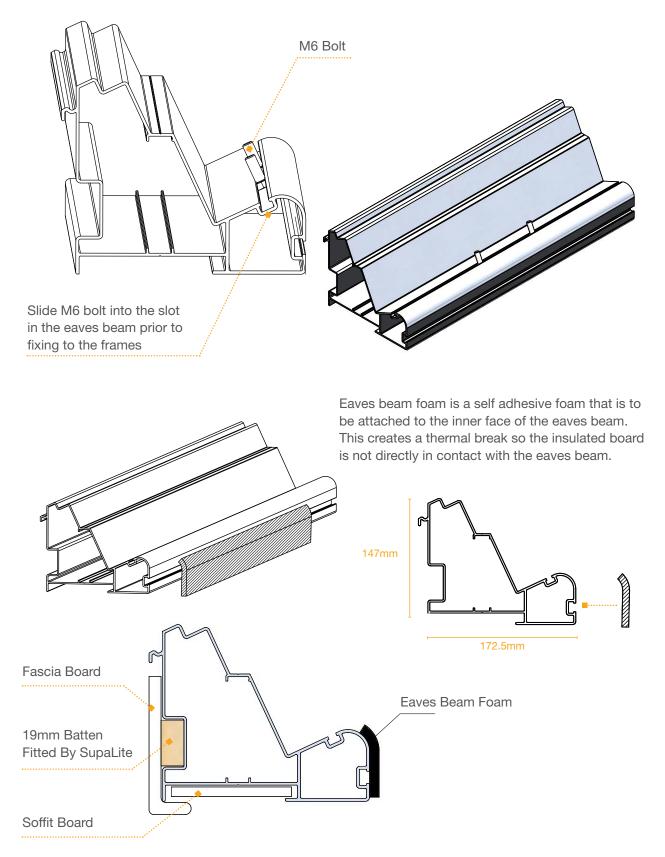


# BOX GUTTER ORIENTATION

Box Gutter Adapter (BGA) slides into the box gutter. The  $90^{\circ}$  gutter angle links the BGA to the standard gutter.





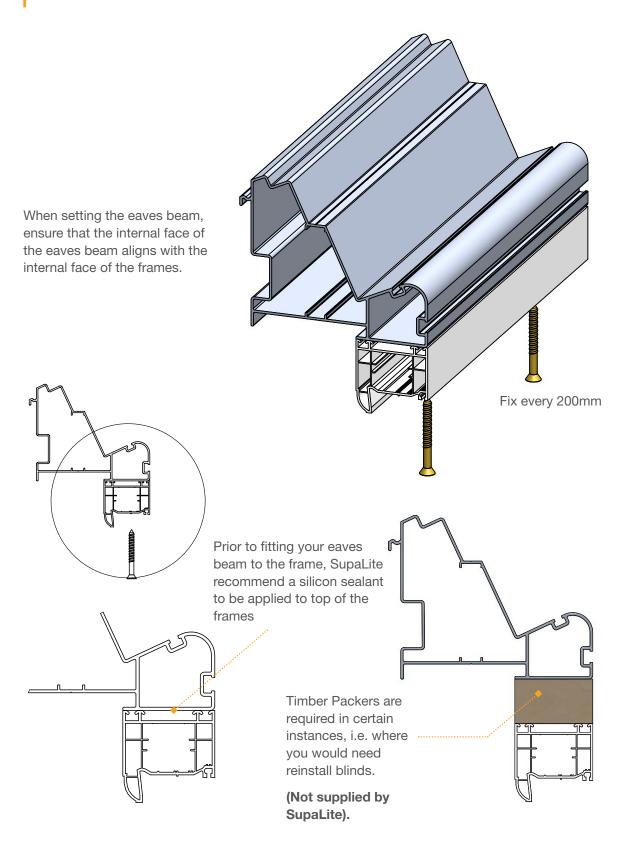






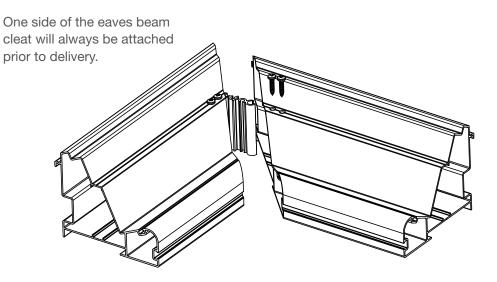


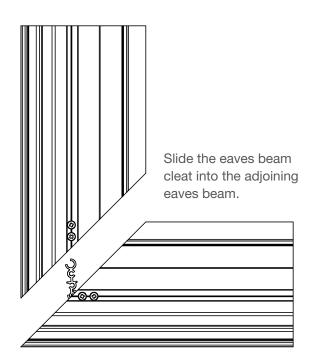
### EAVES BEAM TO FRAME FIXING



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EAVES BEAM FIXING CLEAT



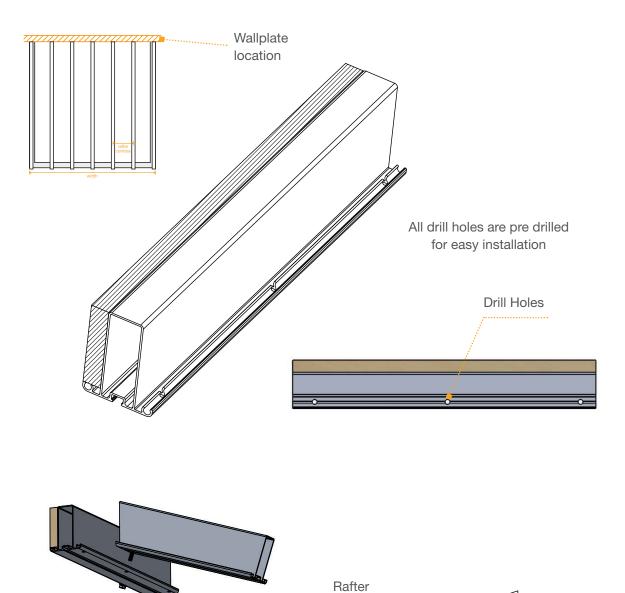




Eaves Beam Cleat



# ATTACHING RAFTERS TO WALLPLATE

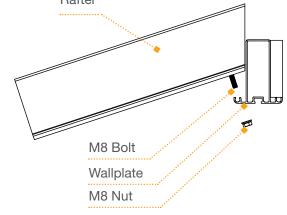


#### Step 1

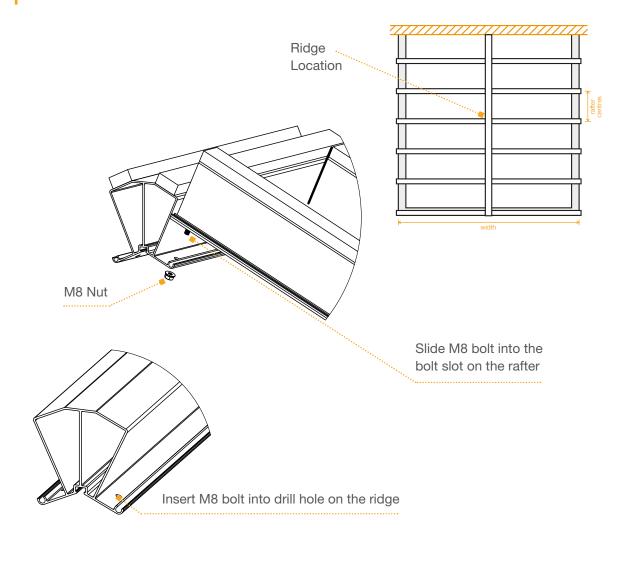
M8 bolt to be slotted in underside bolt slot on the rafter.

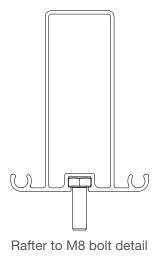
### Step 2

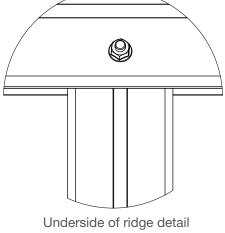
Insert the bolt through the pre-drilled bolt slot to secure the rafter to the wallplate.



# ATTACHING RAFTER TO RIDGE DETAIL



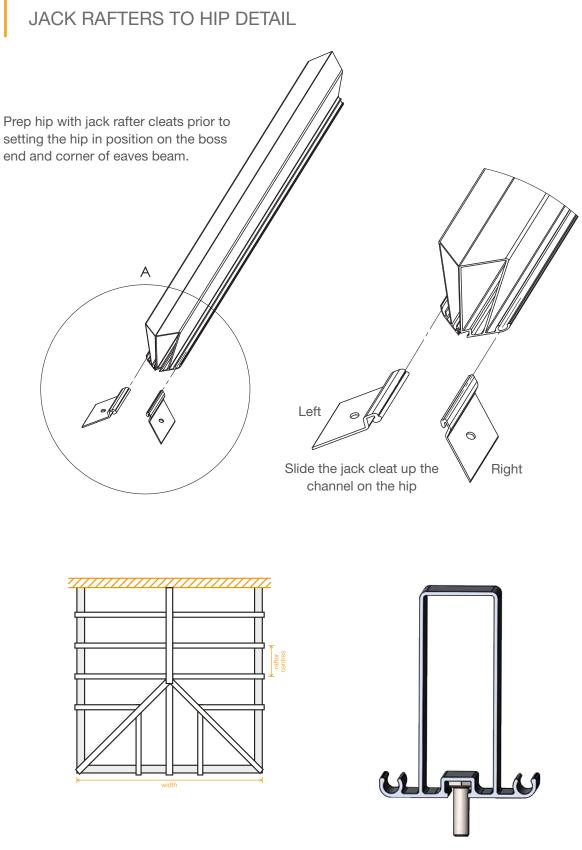




with rafter attached.







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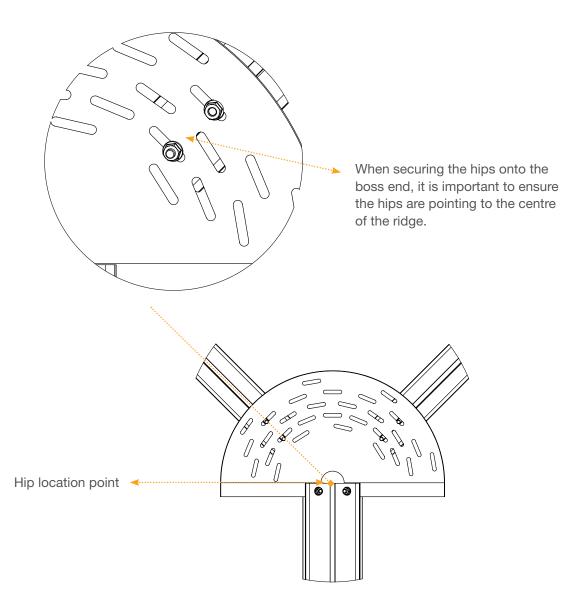
### ATTACHING HIPS TO RIDGE BOSS END

Prior to fixing the hips an M8 fixing bolt will need to be inserted into the channel on the underside of the hip.

The M8 fixings, once in place on the hips, are to be inserted into the bolt slots on the boss end.

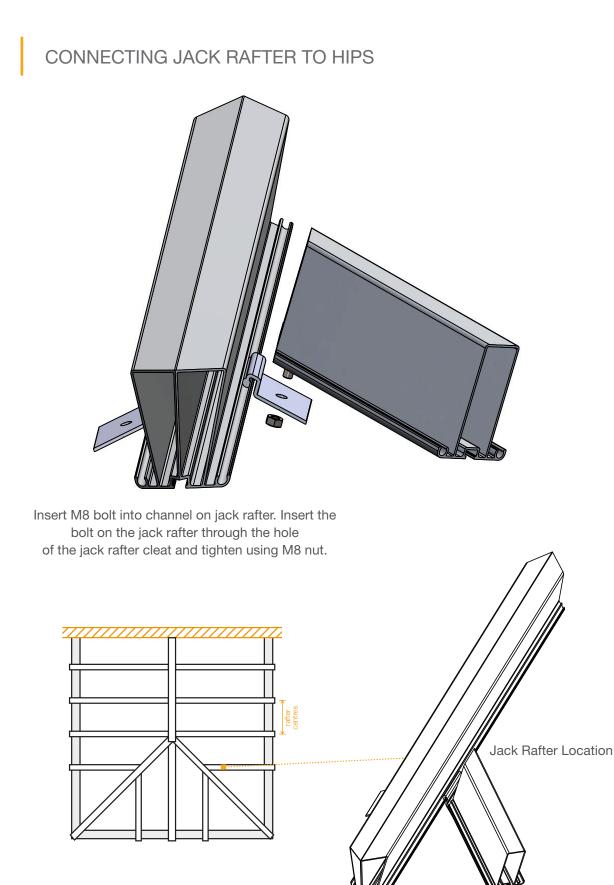


Fixings required are M8 bolts



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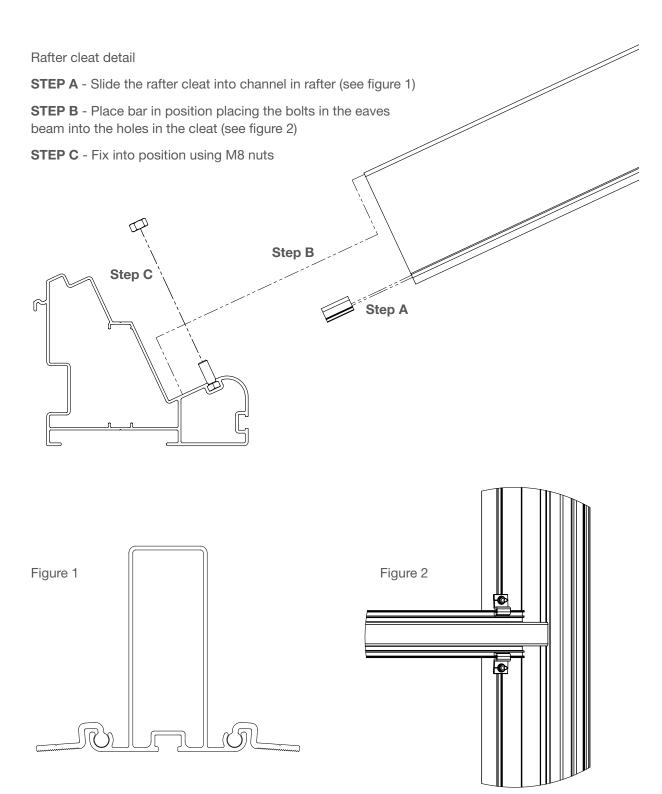




SUPALITE INSTALLATION GUIDE V1

# **RAFTERS TO EAVES**

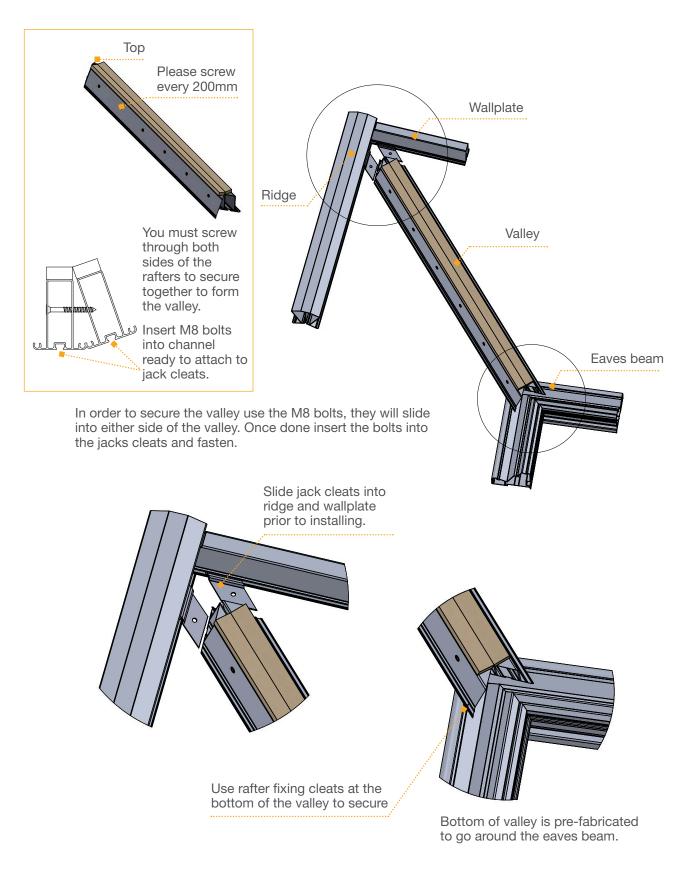
### RAFTER TO EAVES BEAM FIXING DETAIL



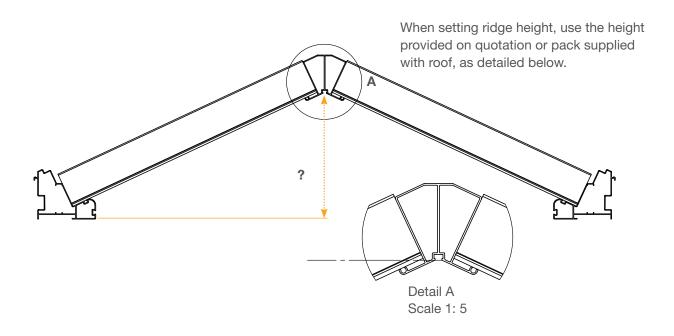
# VALLEY

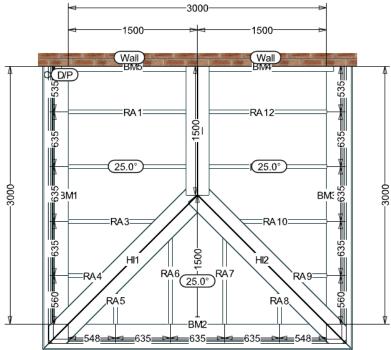


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# SETTING RIDGE HEIGHT



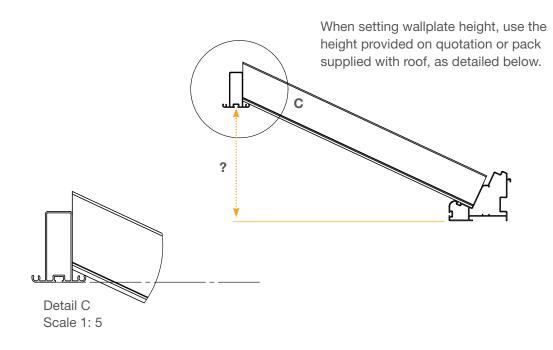


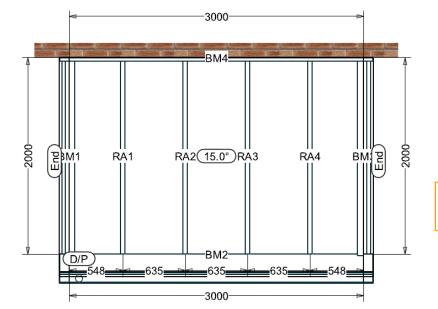
Fascia colour	White
Gutter colour	White
Tile type	Extralight
Tile Colour	Charcoal
Insulation type	EPS 100mm
Board type	11mm Board
Roof weight (approx.)	438.32 kg
Plasterboard quantity	5
Frame depth	70 mm
Top of frame to U/S ridge	756mm
Top of frame to top of ridge	946mm
Roofslope	25.0°





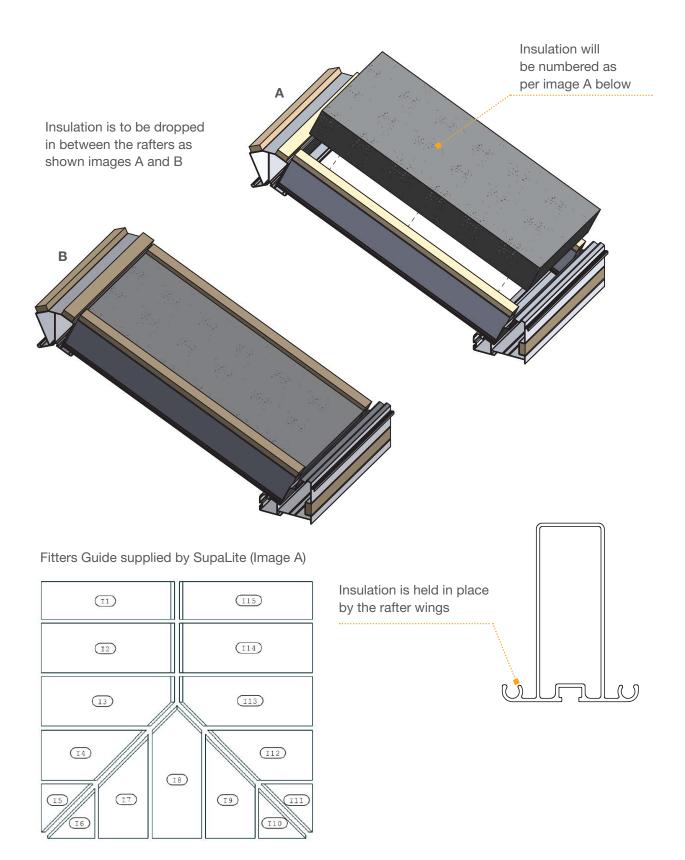
### SETTING WALLPLATE HEIGHT





Fascia colour	White
Gutter colour	White
Tile type	Extralight
Tile Colour	Charcoal
Insulation type	EPS 100mm
Board type	11 mm Board
Roof weight (approx.)	246.58 kg
Plasterboard quantity	3
Frame depth	70 mm
Top of frame to U/S ridge	570mm
Top of frame to top of ridge	745mm
Roofslope	15.0°

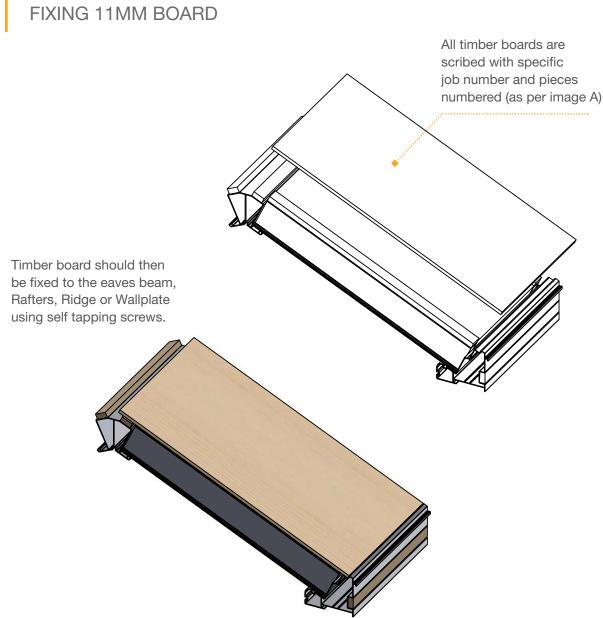
# INSERTING INSULATION INTO THE ROOF



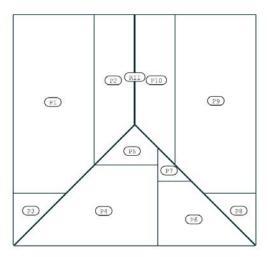
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### BOARD

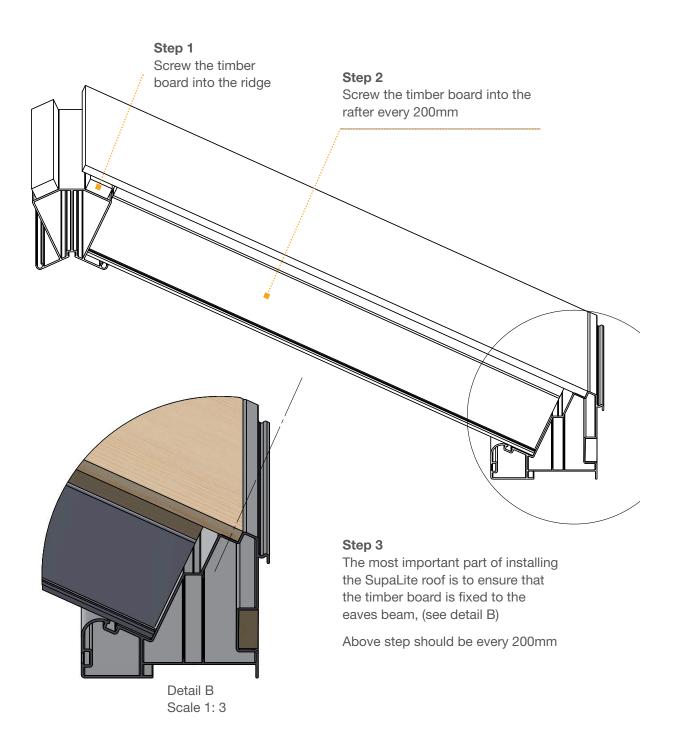




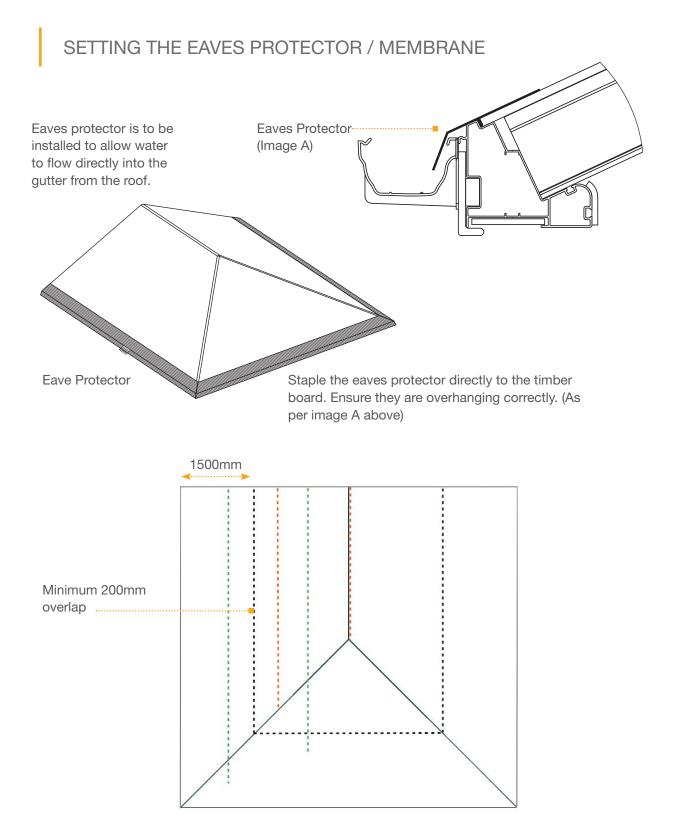
Fitters Guide supplied By Supalite (Image A)



FIXING 11MM BOARD





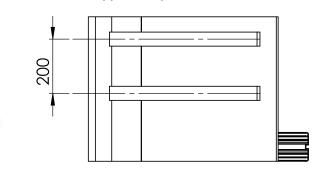


# The membrane is semi-waterproof, however, additional measures should be taken if the roof is left exposed overnight, i.e additional tarpaulins used to cover the roof.

Position the membrane with all joins running horizontally to the pitch of the roof. A minimum 200mm overlap is required before stapling into place. All hips and ridges must be covered with a minimum overlap of 150mm. A 100mm excess is required to run up the house wall and the membrane must also run to the outside of the eaves protector.

# EXTRALIGHT TIMBER BATTEN SPACINGS

Vertical tile battens are to be installed directly onto the membrane, fixings for the Extralight tiles are not supplied as part of kit roof.



When setting out the battens you are recommended to use a 200mm spacing to stop the tiles from dipping when pressure is applied

Extralight Tile Starter Cleat fixing point.

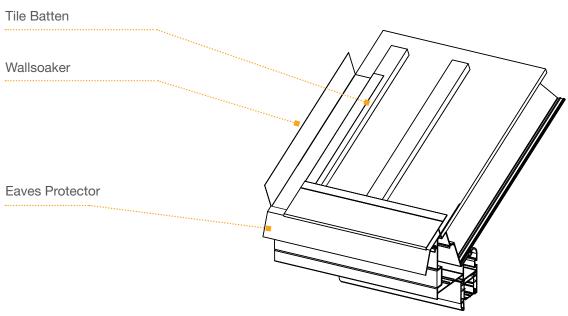
The tile starter cleat will be provided to go around all sections of the roof which have an eaves beam.

> The leg of the starter cleat should be up against the tile batten. Both should be in line with the 11mm board

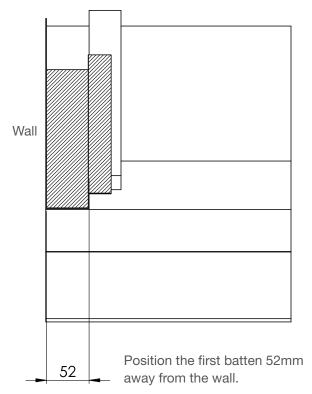


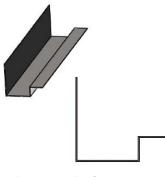


# EXTRALIGHT WALLSOAKER



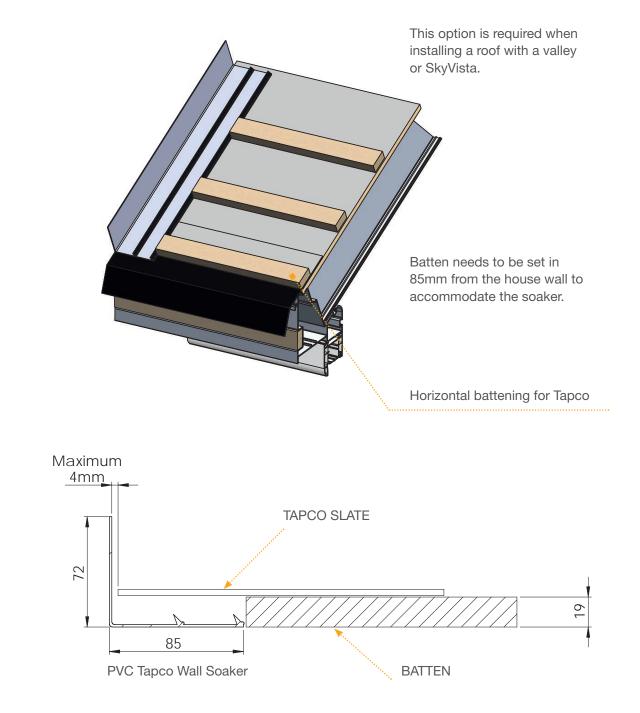
When setting the wall soaker screw directly down into the batten to fasten in place.





Extralight PVC Wall soaker profile

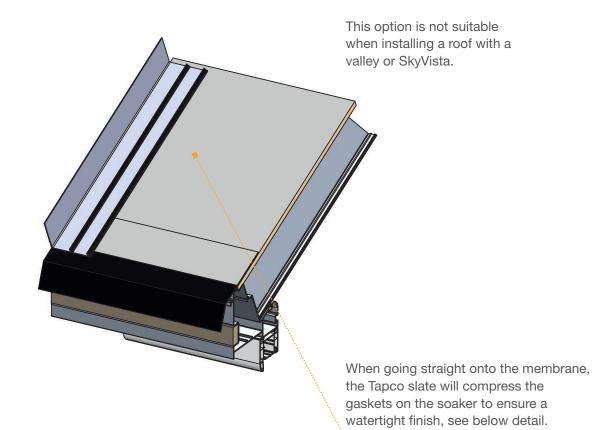
TAPCO WALLSOAKER USING BATTENS

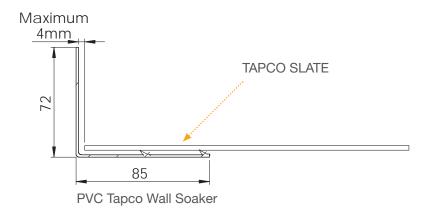




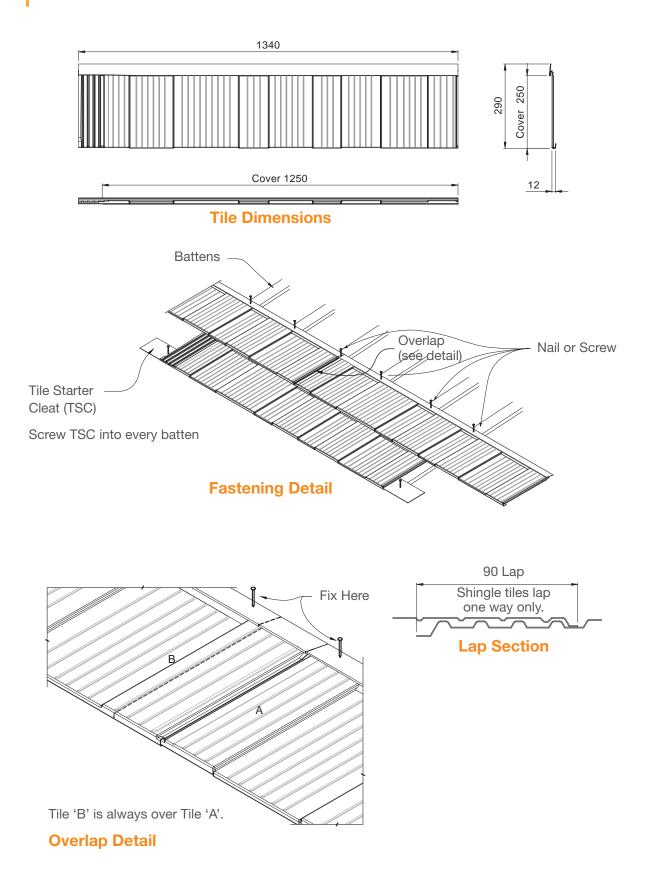


# TAPCO WALLSOAKER USING NO BATTENS



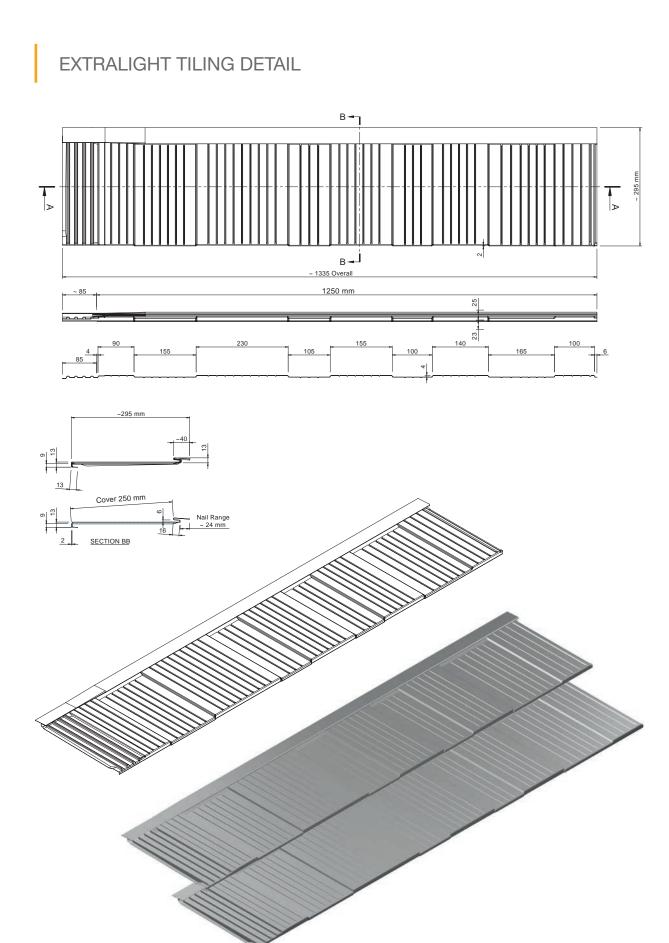


# EXTRALIGHT TILING DETAIL









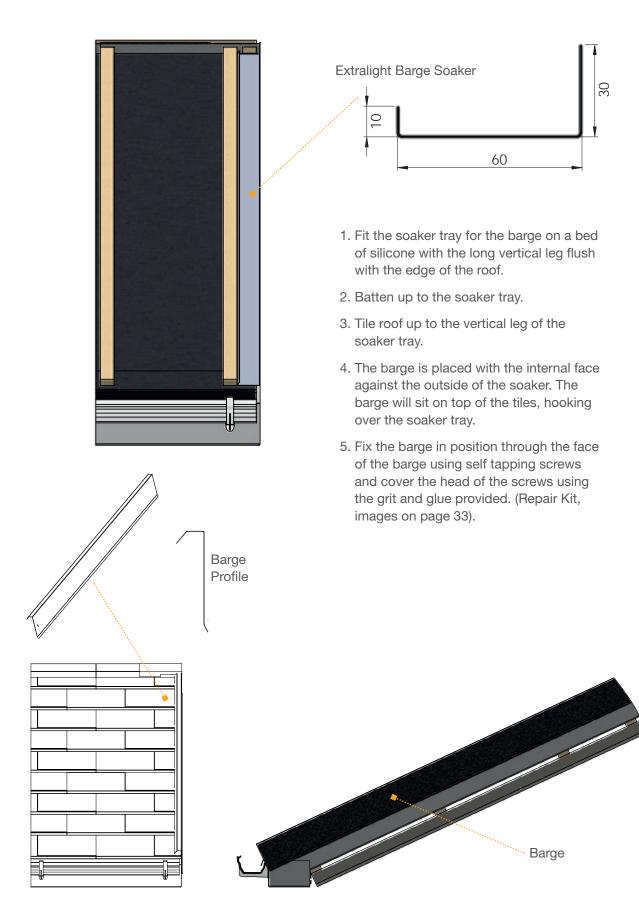
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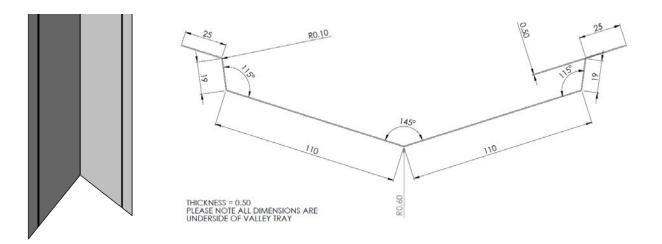
### **EXTRALIGHT BARGE SOAKER**



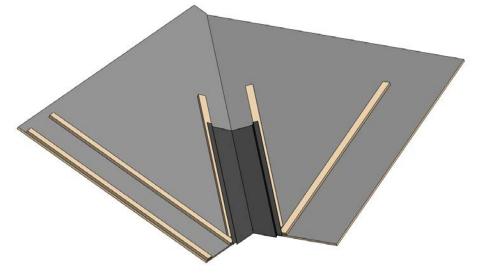
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Please note when soaker tray and barges require more than 1 on an elevation you should always overlap the barge/soaker above the one below to avoid creating a step which would could then hold water



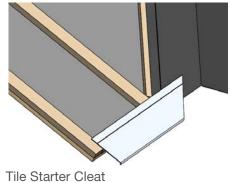
Fitters will be responsible for cutting the correct angle on the valley to match the angle of the roof.



From middle of the valley, measure out 110mm when setting the tile batten.

Screw both valley wings directly down into the battens as previously set out.

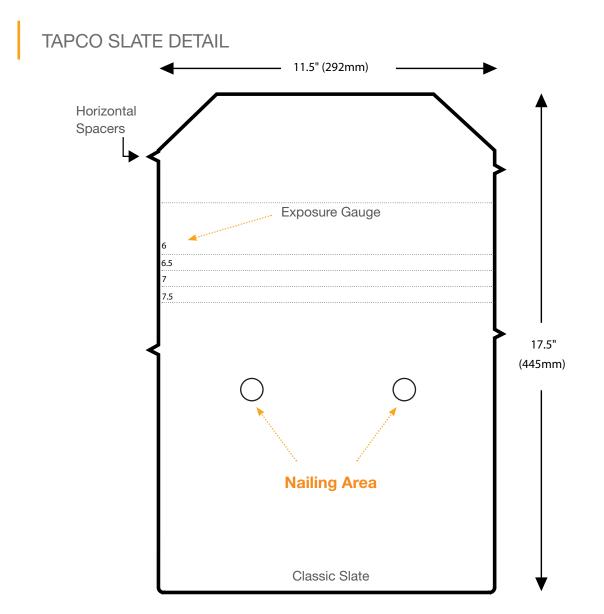
Cut out bottom of the tray to allow for the tile starter cleat to run into the valley tray. Over hang tray by 20mm from the end of the 11mm board. When setting tile starter cleat, set 40mm in from the centre of the valley.



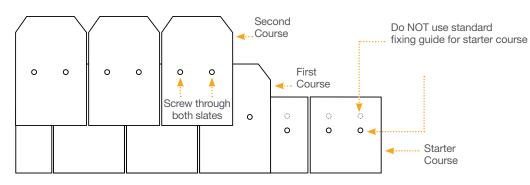
Please revert to pages 30-31 for the extralight fitting instructions. Allow 80mm gap between tiles running up the valley.







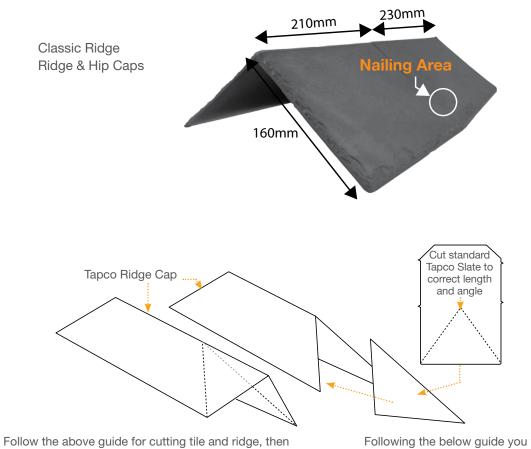
When installing Tapco onto a gable roof, an overhang needs to be created by laying tiles past the edge of the ply. Once complete, the fascia board will be offered up to the underside of the tile.



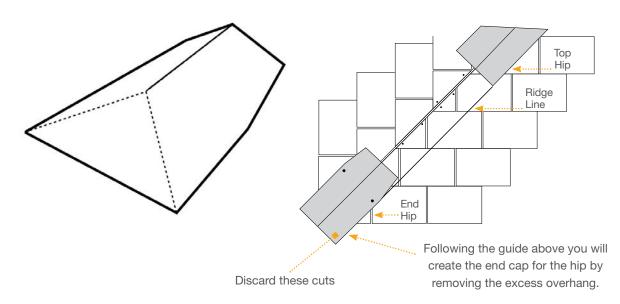
#### TapcoSlate Classic

ROOF PITCH	GAUGE	SLATES PER M <sup>2</sup>
14* to 25 degrees (fully boarded or felt & battens)	6" (152mm)	22
25 to 27.5 degrees (fully boarded or felt & battens)	6.5" (165mm)	20
27.5 to 30 degrees (fully boarded or felt & battens)	7" (178mm)	19
above 30 degrees (fully boarded or felt & battens)	7.5" (191mm)	18





Follow the above guide for cutting tile and ridge, then adhere the two parts using either a heat gun or strong sealant to hold together. This will create a top cap for the crown point of the roof. Following the below guide you will create the end cap for your hip

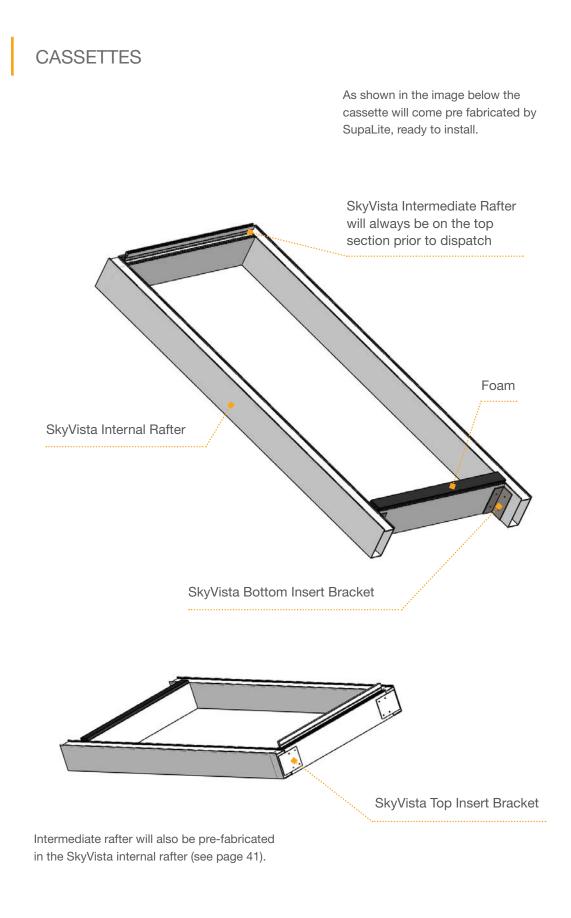


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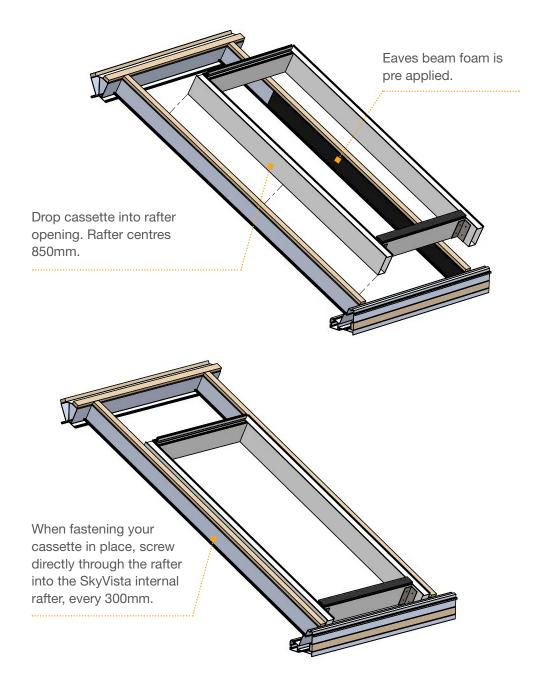
## SKYVISTA



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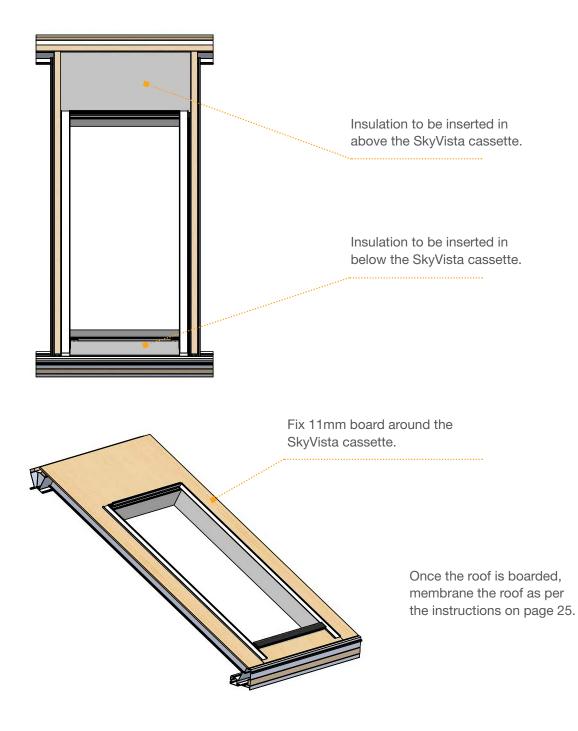
# INSTALLATION OF CASSETTE

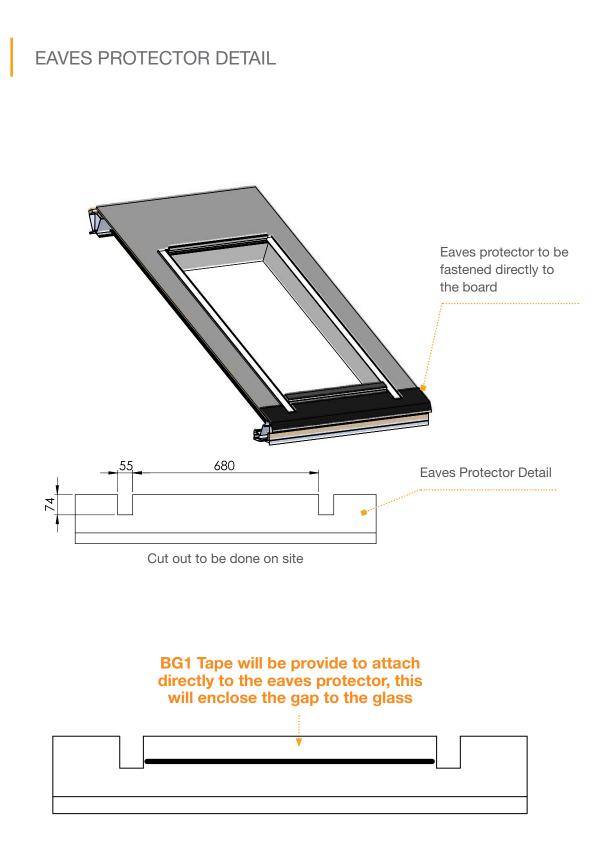






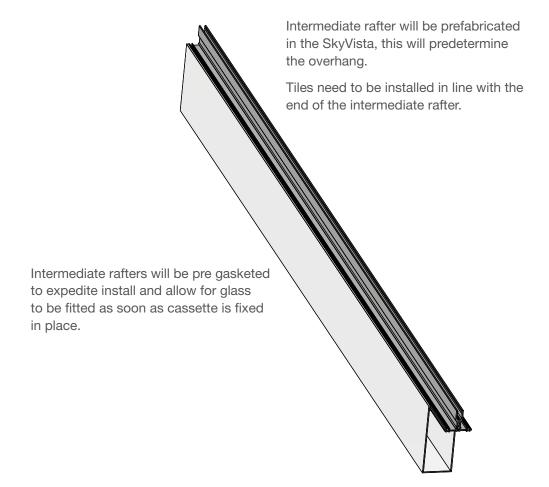
## **INSULATION & BOARD AROUND CASSETTE**



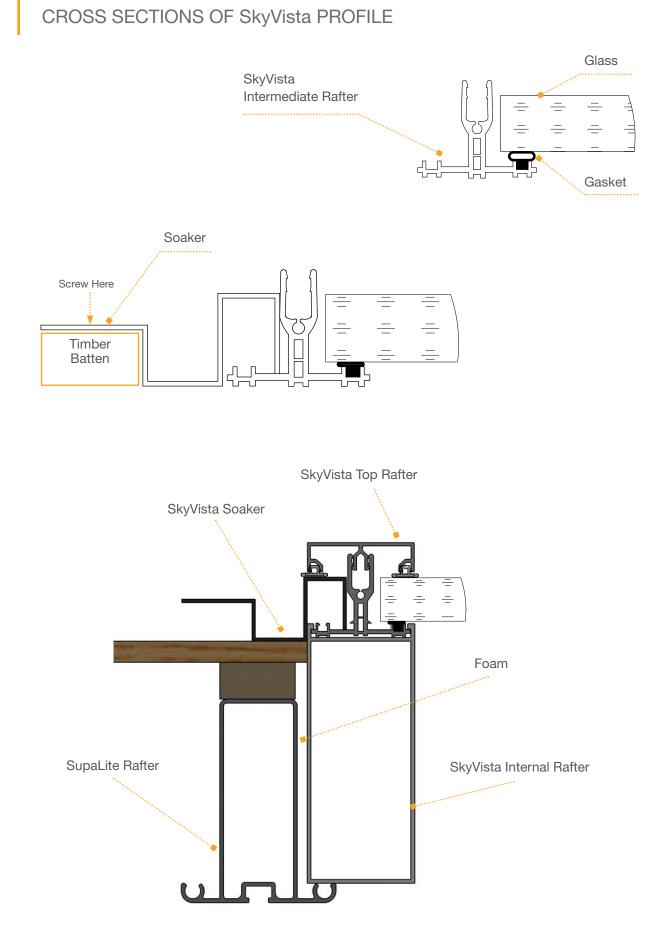




## INTERMEDIATE RAFTER

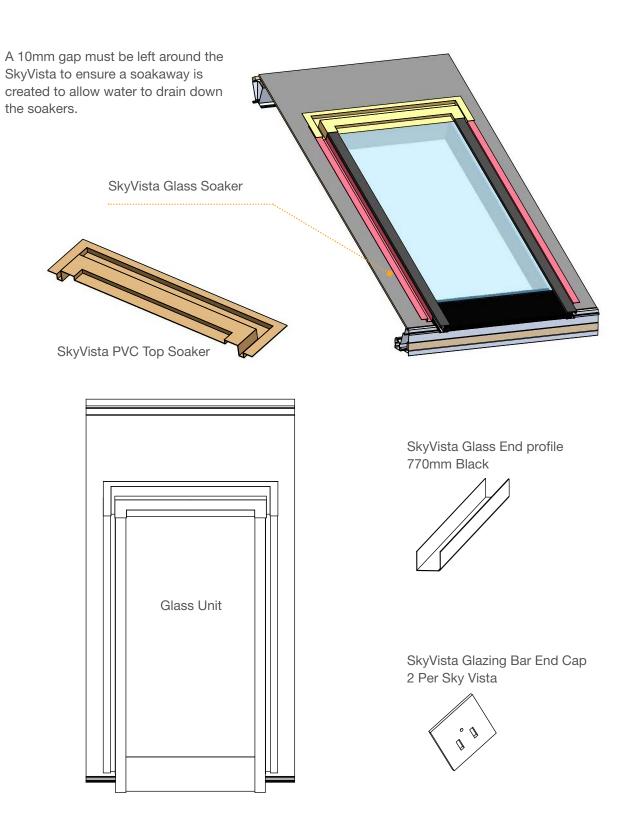








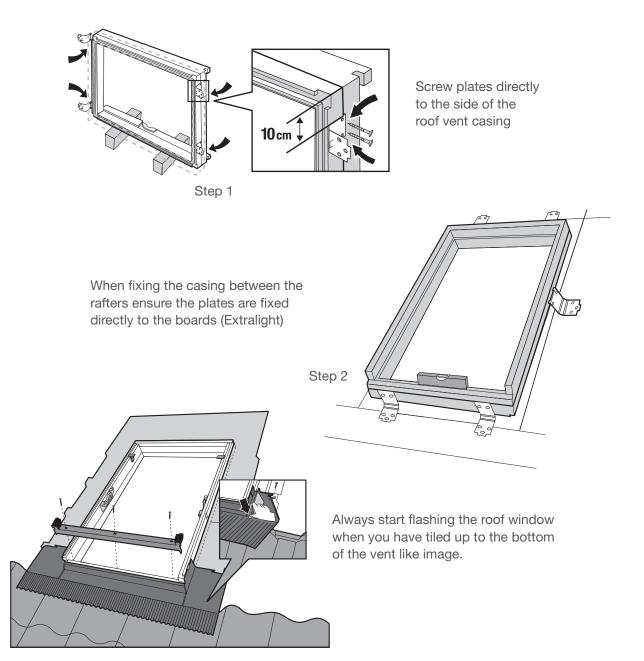
# FLASHING SkyVista



Please note: Ensure glass is protected when cutting tiles, as damage can be caused to the self-clean coating.

### INSTALLATION OF ROOF WINDOW

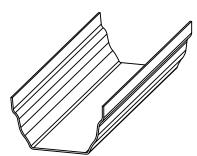
When creating the opening for the roof window, ensure you make the hole 20mm bigger around the perimeter of the roof window. Once the hole is created and step 1 (below) has been followed, drop the roof vent into the location required (this can be anywhere in the roof spacing).



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# **GUTTER COMPONENTS**



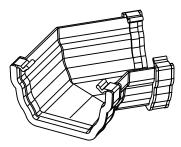
Gutter 4m Lengths Gutter 6m Lengths

sunlight and extreme heat to avoid distortion occuring.

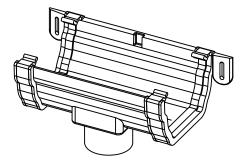


Gutter Stop End



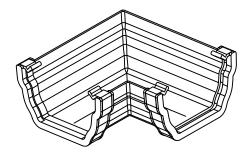


135 Degree Gutter Bend

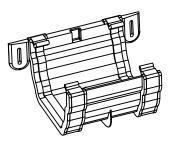


The guttering supplied is Krown Aqua Flow double ogee. This needs to be stored away from direct

> Gutter Running Outlet



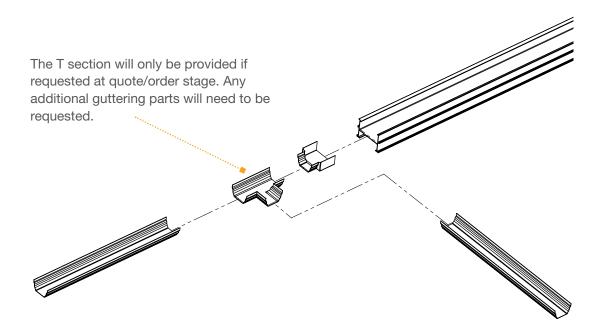
90 Degree Gutter Bend

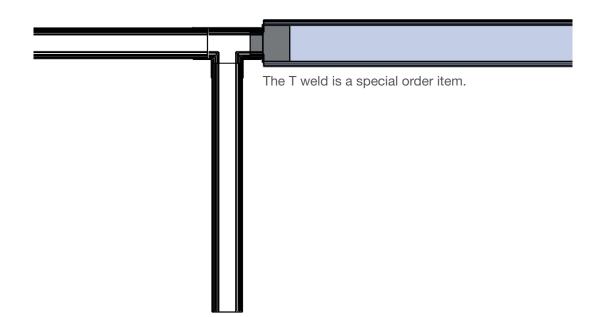


**Gutter Union** 

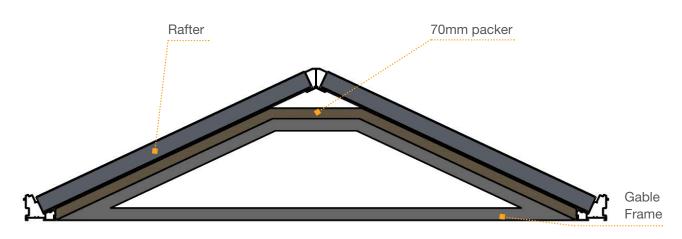
Please note stop end running outlets are not available in this gutter system.





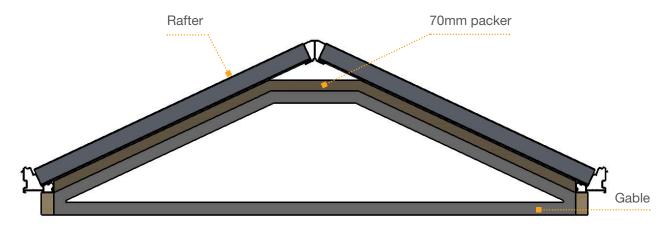






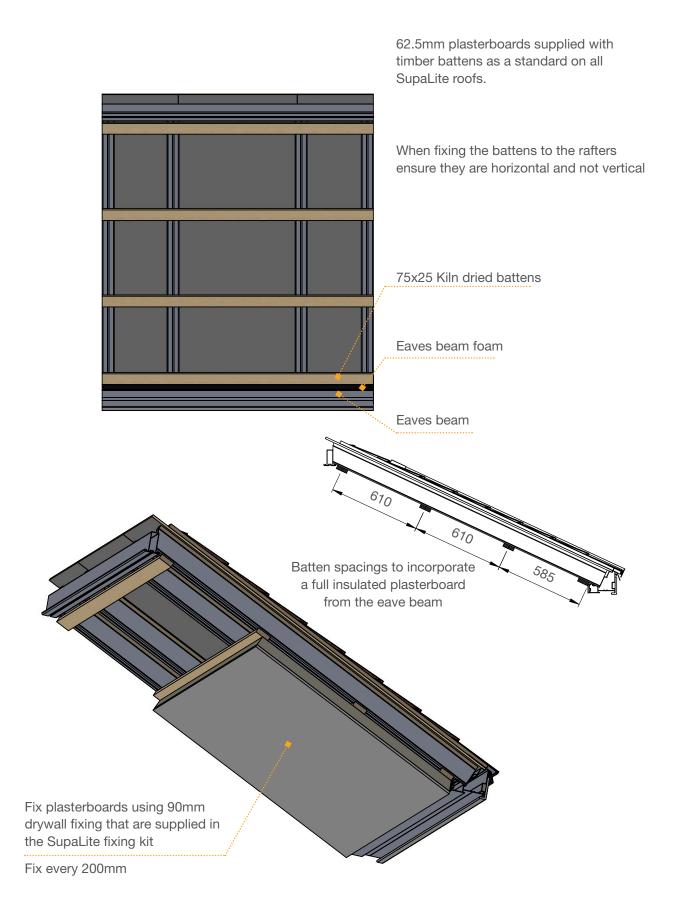
The Gable above shows a standard gable to suit a Supalite Roof. This is made to a point with the eaves beam fitted directly to the top of the 70mm packer. The gable will leave a 70mm void between the gable and underside of the rafter. You will need to fill in with frame extenders or timber. The reason for this is to stop the plasterboards and plaster impeding in the glass line.

Both options are available, with no need to replace frames if principles of either option are adhered to.



Where a gable frame has an upstand, the eaves beam will need to be packed up by the upstand height. This would therefore make the eaves beam sit at the point where the upstand and the slope meet. This will leave a 70mm gap which will need to be packed out by 70mm with either frame extenders or timber. The reason for this is to stop the plasterboard and plaster impeding on the glass line.

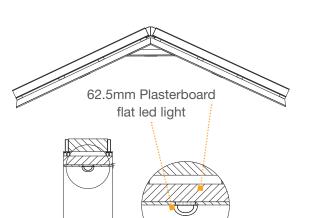
## **PLASTERBOARD & INTERNAL BATTENS**



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SECTION E-E SCALE 1 : 20 It is an important factor to consider when installing ceiling lights into a SupaLite roof that the insulation is not cut or disturbed.

It is important to follow the guidelines set out below to ensure your lighting is installed correctly.

#### SUPALITE RECOMMENDS

When installing lighting into the slope of the roof, only use low profile (<=12mm) low voltage lighting. This will allow the fitting to be recessed into the plasterboard without disturbing the insulation.

It is acceptable to install standard light fittings into the ridge board of the roof providing that the insulation in the slope above is not disturbed.

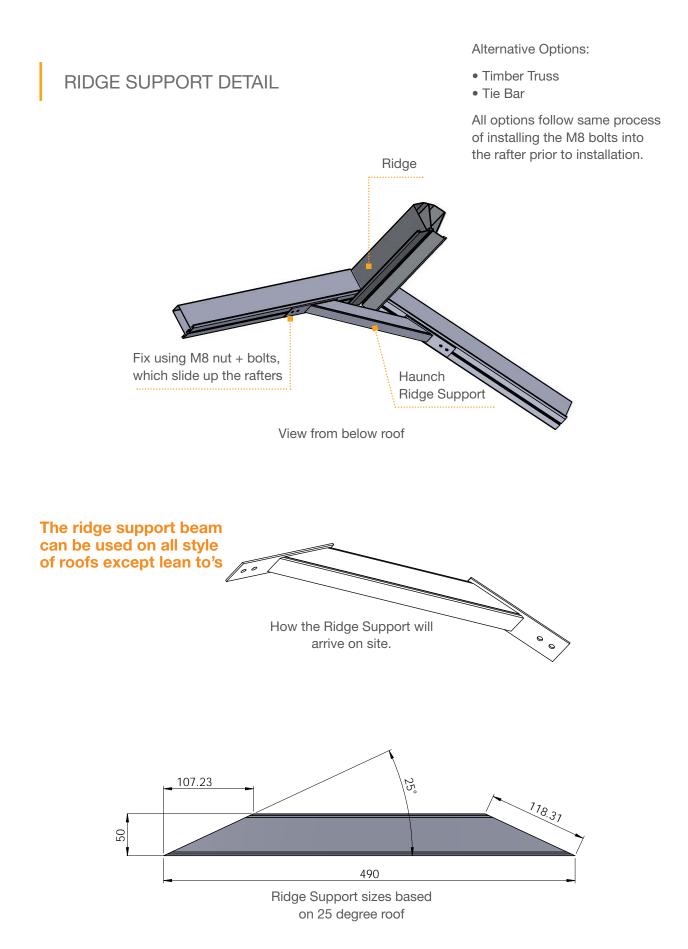
These guidelines MUST be followed in order to be fully compliant with building regulations

- Do not cut or disturb installed insulation;
- Fit deep LED or GUD into the ridgeboard only;
- Install only low profile LVL lights into the slope;
- Building regulation guidance MUST be observed.

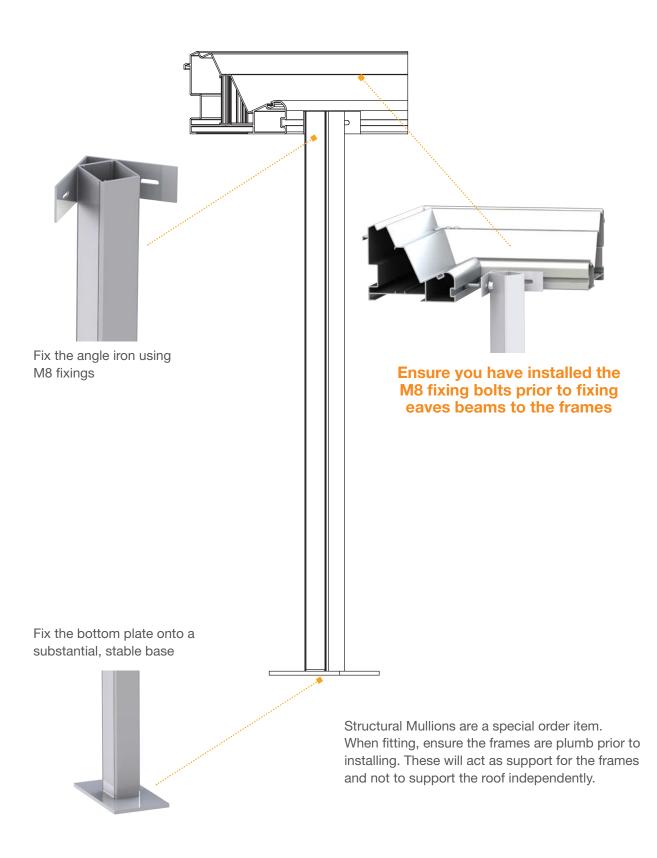
Please follow the illustrations shown above for SupaLite's recommended fitment of lighting. Seal the gap around the cables to stop warm air entering the roof space.

Do not cut past

plasterboard







### **ENGINEERING SIMPLICITY & PERFORMANCE**





#### **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.

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