Ultraroof Slate Install Leaflet

PLEASE READ BEFORE FITTING

This supplement is to be used in conjunction with Metrotile install guide. Refer to tile location plan for specific roof dimensions. The tile assembly sequence is always RIGHT to left on the roof. Ensure offcuts are kept for use elsewhere on the roof.

Link to Metrotile guide

Please refer to the Metrotile guide for base roof assembly, noting the wide adoption of the GPHS 4.2 x 38mm green fixing screw.

- NRTF050 (4.2 x 25 Wafer head pierce point). Used for tiles and tile catcher.
- GPHS050 (4.2 x 38 drill point screw). Used for tile stop.
- NTTC120 - Tile catcher.
- NRTT001 - Tile screw fixing tool.

Ultraroof Slate webpage

Please refer to the webpage for all details on Ultraroof Slate, link **https://trade.ultraframe-conservatories.co.uk/trade/Ultraroof-New-Slate/**

Any questions or feedback, please contact the Tech Support Team on **01200 452 918** or email **techsupport@ultraframe.co.uk.**



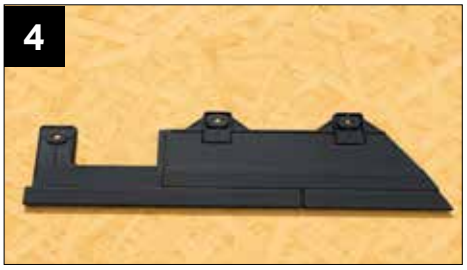
Felt edge to be aligned with leading edge of vent strip.



Mark starting point of first main tile (see tile location plan).



Place starter tile onto facet and mark edge from previously marked start point. Tip: without fixing it in place use the hip spine to mark our/check positioning



Cut tile to marked line



Align the starter tile to the right edge of facet and push up facet so pins are against vent strip.



Place TILE SCREW FIXING TOOL under screw tab. Screw down and then remove guide tool.

REMEMBER! DO NOT OVER TIGHTEN TILE FIXING SCREWS.
USE THE TOOL PROVIDED TO ENSURE AN ACCEPTABLE FIT

Ultraroof By Ultraframe

7



Install remaining starter tile strip. Only 3 screws required on a full starter tile.

8

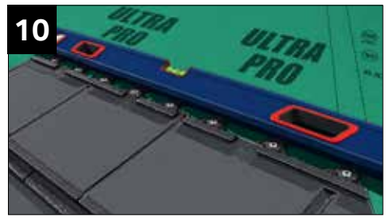


9



Align first main tile with starter tile. Hook onto starter tile and push up BY HAND until stop. Screw down as per starter tile.

10



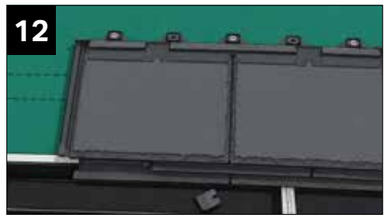
Install next tile. Using a level can help make aligning top of tile easier.

11



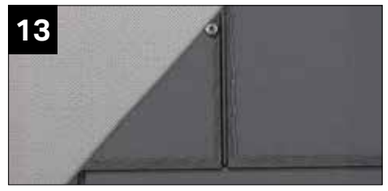
DO NOT USE HAMMER TO PUSH TILES UP!

12



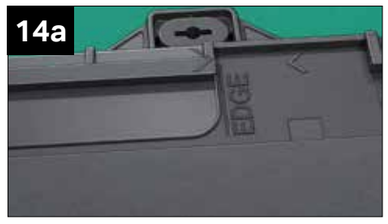
Each tile only needs 3 screws. The middle hole should always be used where possible.

13



If a tile has no screw tabs left (at hip) a screw MUST be put through the top corner nearest the facet edge. If it is a single tile, a small amount of silicone can be used to keep the tile in place during fixing. The screw will be covered later by cappings.

14a

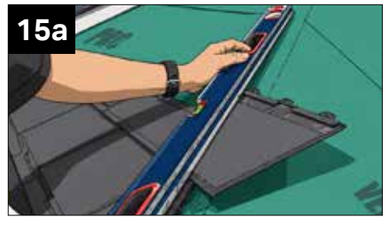


For next row of tiles, align left edge of new tile with “edge” marking on row below.

14b



15a

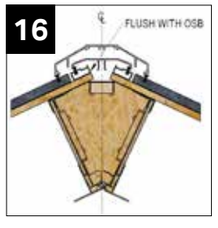


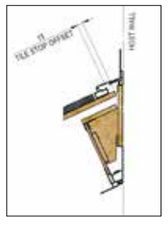
15b



Use straight edge to mark first tile for cutting and continue to install as before.

16





When approaching the top of a facet, if roof has glazing, attach the tile stop. Screw 50mm from ends and every 500mm

17a

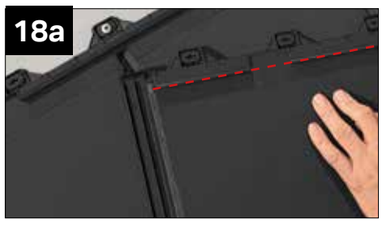


17b



When installing the next to last rows of tiles, if the top visible edge of the tile is less than 100mm from where the tiles are to stop (see tile setout section for dimensions), a tile catcher will be provided.

18a

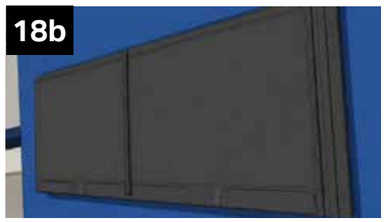


ONLY FOLLOW REMAINING STEPS WHERE TILE CATCHER USED.

REMEMBER! DO NOT OVER TIGHTEN TILE FIXING SCREWS.
USE THE TOOL PROVIDED TO ENSURE AN ACCEPTABLE FIT

Ultraroof By Ultraframe

18b



On the next to last row, cut along the top of the tiles to remove all the clips.

19



Install this row of tiles as normal, but DO NOT screw down.

20



Foam tape is pre-applied to the tile catcher.



21a



21b



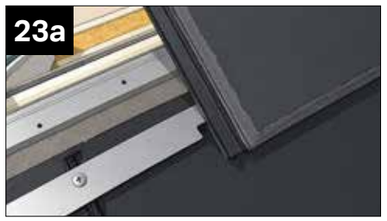
Align tile catcher notches with notch on tile below. Position a minimum of 35mm down from where the tiles are to finish and so the foam tape is fully on the tile below.

22



Screw tile catcher down through tile below.

23a



23b



Push next row of tiles into tile catcher and mark at the height where tiles are to finish (see tile setout section for dimensions).

24a



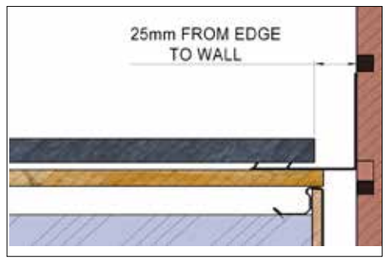
Cut tile where marked, refit to tile catcher and screw down.

24b

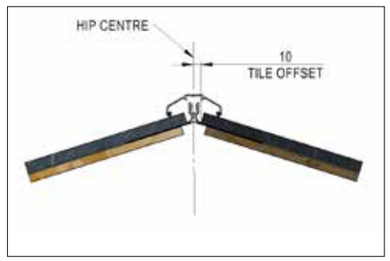


Tile setout

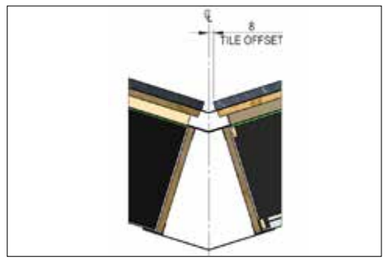
Ultraroof By Ultraframe



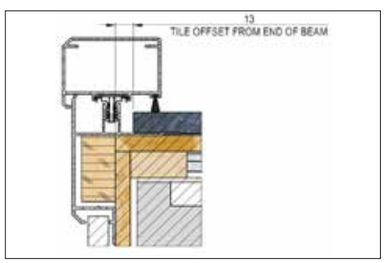
Host Wall



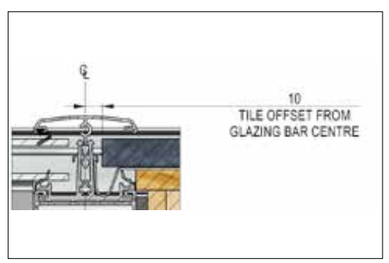
Hip



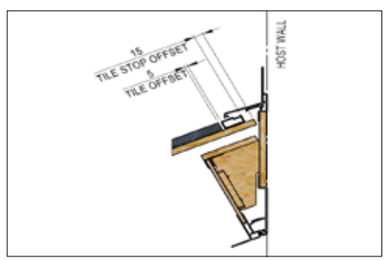
Valley



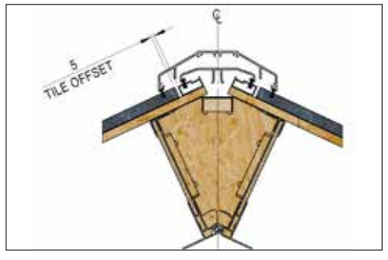
Gable



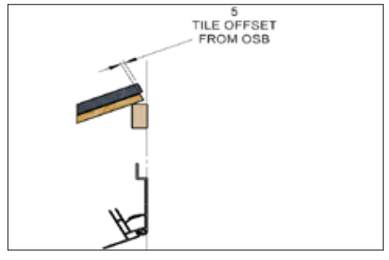
Glazing bar



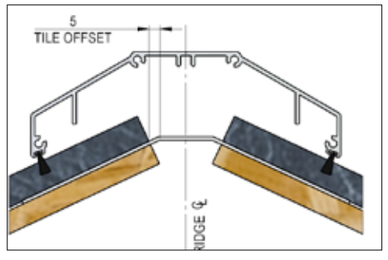
Glazed roof half ridge



Glazed roof full ridge



Solid roof half ridge



Solid roof full ridge

Tapered box gutter

Ultraroof By Ultraframe

1a



1b



2



The recommended install method is to create a level edge to the tiles. If you prefer to cut the tiles to follow the angle of the tapered gutter, that is also allowed. These instructions describe how to install with a level edge.

Measure from top of OSB down to angle of gutter at the peak of the gutter.

3



Mark the same length down from top of OSB at other end of gutter.

4a



4b



Using a straight edge, mark line between two measured points.

5a

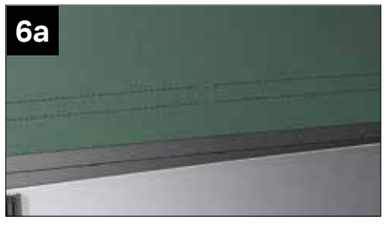


Mark the box gutter ~50mm up from previous line.

5b



6a



Install membrane down to the top line on the gutter and tape down.

6b



7



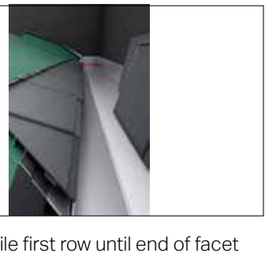
Install full tile at right end of facet and align the bottom of the tile with the lower line on the box gutter.

8



Screw tile fixing clip to box gutter between each tile. Fold clip round bottom of tiles once installed. Tip: using a level to help align this row of tiles is especially helpful.

9

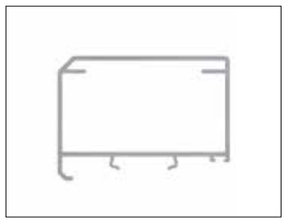


Continue to tile first row until end of facet and proceed with the rest of facet as normal.

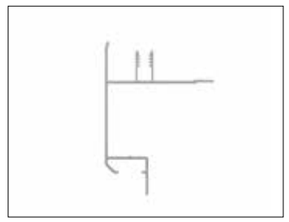
New Dry Verge Arrangement

The Ultraroof Dry Verge now features a two part cladding (upper and lower) to improve on site fitting and assembly. Please observe the following new installation instructions.

New Parts Summary



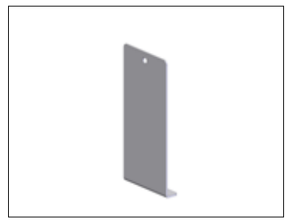
NRGCB/1
Upper Cladding



NRGCB/2
Lower Cladding



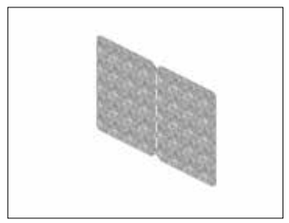
NRGCB002/1
Upper Apex Cover



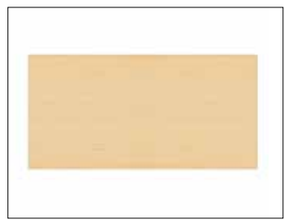
NRGCB002/2
Lower Apex Cover



NRDVB001L/R
End Cap



NRGCB002
Alignment Strip



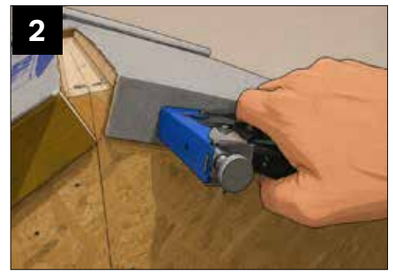
MTTB---
25 x 50mm Batten



Dry Verge Installation



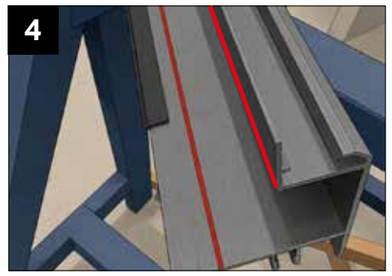
Install 25 x 50mm dry verge assembly batten flush with top of OSB sheathing from ridge to eaves beam.



When fitting roofing membrane, fold edge down to cover batten. **Glazed ridge variant shown with membrane finishing at top of OSB at ridge.**



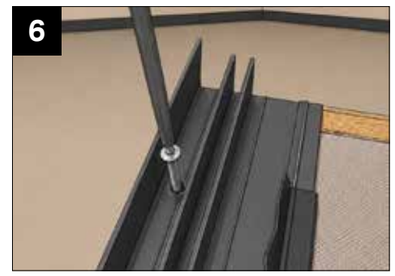
Unglazed ridge variant shown with membrane fully overlapped at ridge.



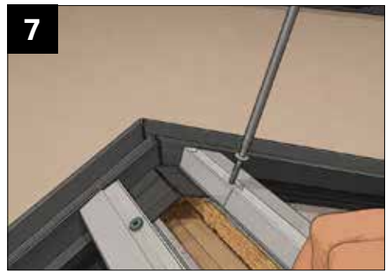
Apply a bead of low modulus silicone to the underside and side of the lower dry verge component.



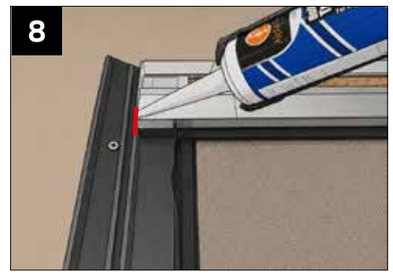
Position lower dry verge component. Align with centreline of duo pitch ridge or at host wall in lean-to situation.



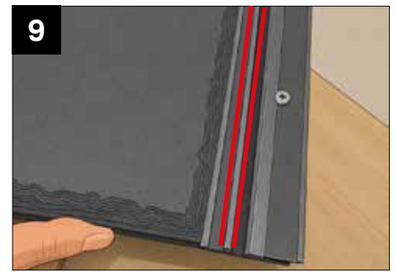
Secure using NRTS050 4.2 x 25mm wafer head screws at 500mm centers vertically through assembly batten (in position shown) and horizontally into gable panel.



Glazed roof only. Trim back lower dry verge gasket to accommodate tile stop, where required, and fit as per standard guide.



Glazed roof only. Point junctions between tile stop and lower dry verge component.



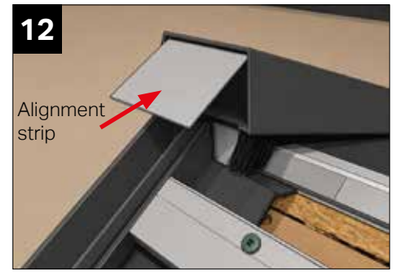
Install tiles, allowing 10mm expansion gap from lower dry verge upstand.



Install remainder of tiles (glazed roof shown).

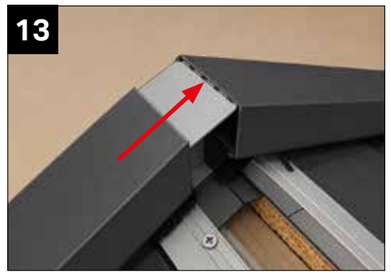


Install upper dry verge component using pre-installed top cap clips



Duo-pitch only. Install alignment strip, bending by hand to suit roof pitch (glazed roof shown).

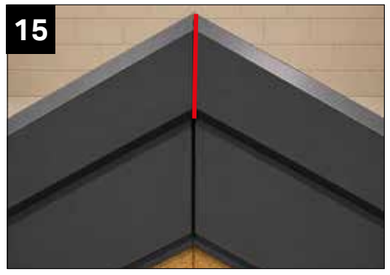
Dry Verge Installation



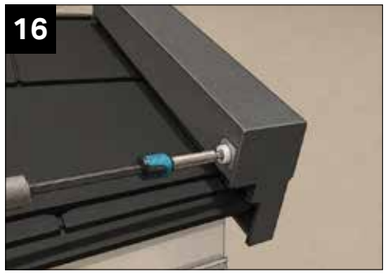
Duo-pitch only. Install adjacent upper dry verge component and locate alignment strip. Move component upwards to complete assembly (glazed roof shown).



Ensure both dry verge components align flush at eaves so that end caps can be fitted correctly.



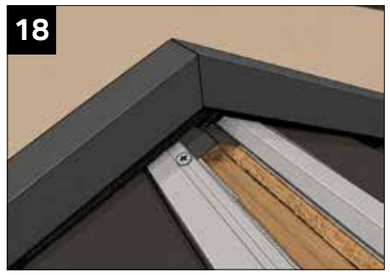
Duo-pitch only. A tolerance gap is expected between the upper dry verge components. This will be covered in a later step.



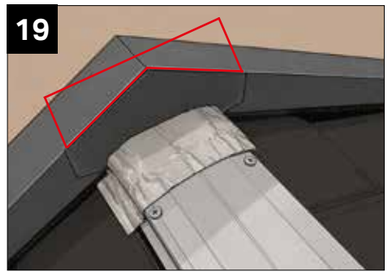
Offer up dry verge aluminium end cap and install upper fixing using NRES004 screws with cup and cover cap (4.8 x 32mm pan head.



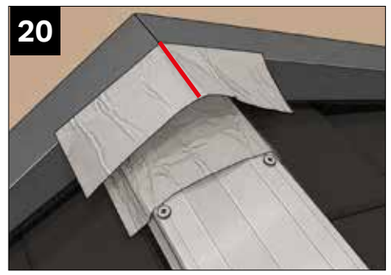
Install lower fixing using NRES004 screw.



Glazed roof with Duo-pitch only. Install aluminium flashing cap as per standard guide. Trim and fit flashing saddle as shown using a low modulus silicone.



Glazed roof with Duo-pitch only. Fit first 200mm Butyl tape strip sealing gable flashing to the ridge flashing cap.



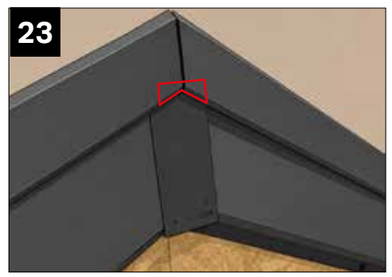
Glazed roof with Duo-pitch only. Fit second 200mm Butyl tape strip sealing the dry verge to the flashing saddle. Slit the tape as shown to allow it to fold down.



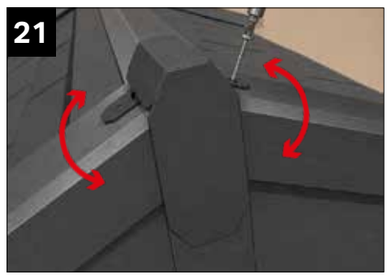
Glazed roof with Duo-pitch only. Fold down and press firmly into position, then cover joint with a third layer.



Fit the ridge top cap using NRRSA005BL (5.5 x 90mm hex self drill).



Duo-pitch only. Scribe and fit lower apex cover to fit beneath the step. Fix using a suitable silicone adhesive.

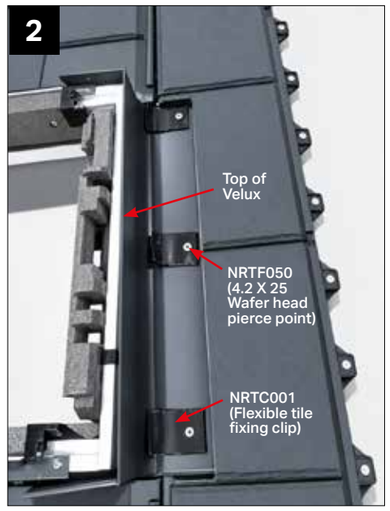


Duo pitch only. Bend the wings of the upper apex cover to match desired roof pitch. Position and fix using x2 NRTS screws.

Velux Installation



Each side of a Velux, the tiles are to be cut flush with the edges of the flashing.



At the top of the Velux, cut the tiles to finish as close to the Velux as desired. Position and fix tile fixing clips through flashing. If there is a tile joint, it is recommended to place one of the clips there.



Fix tiles as normal and bend clips round front edge of tiles.

Ultraframe®
Transforming light and space

www.ultraframetrade.co.uk

Job No.: 5078 09/26 V3 NTIG001
It is Ultraframe's policy to continually seek to improve its products, processes and services, and we reserve the right to change specifications without prior notice. Ultraframe is a trading name of Ultraframe (UK) Limited.