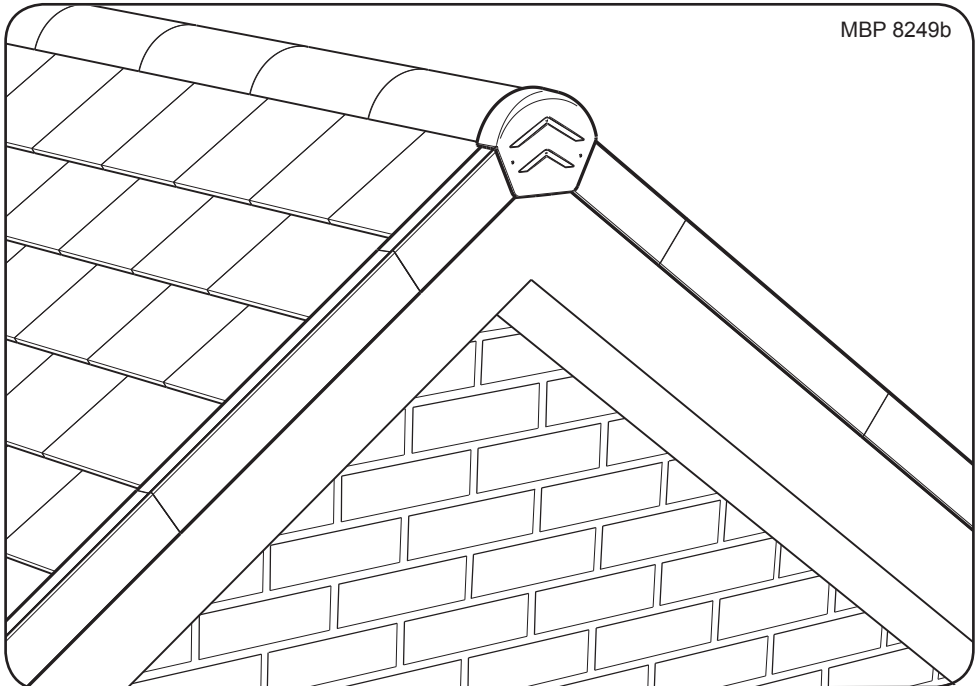


MANTHORPE
BUILDING PRODUCTS



SmartVerge[®] Linear Dry Verge System

Fixing Instructions



Typical Verges Details

Fig A. Flush Verges Detail

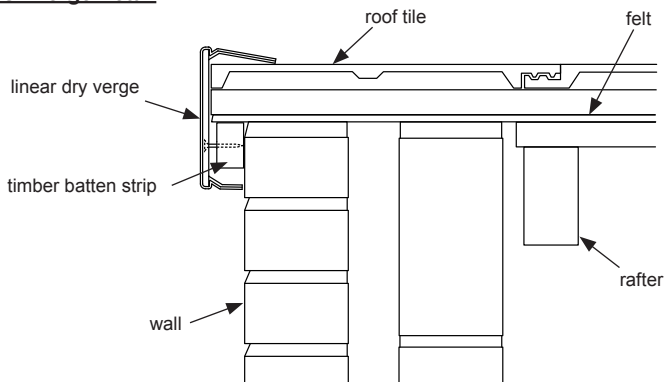
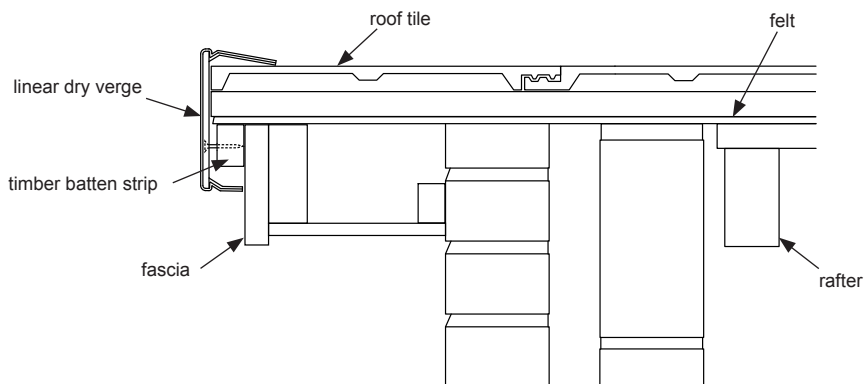


Fig B. Overhanging Verges Detail



Compatibility

The SmartVerge® Linear Dry Verges System is compatible with most Fibre Cement Slates, Natural Slates and Interlocking Plain Tiles including: -

Marley Rivendale, Birkdale, Garsdale, Thrutone, Edgemere, Duo Edgemere, Melbourn, Marquess, Duo Marquess, Monarch Slates & Ashmore Interlocking Plain Tiles.

Lafarge Cambrian, Landmark, Saxon, Richmond, Natural Slates & DuoPlain Interlocking Plain Tiles.

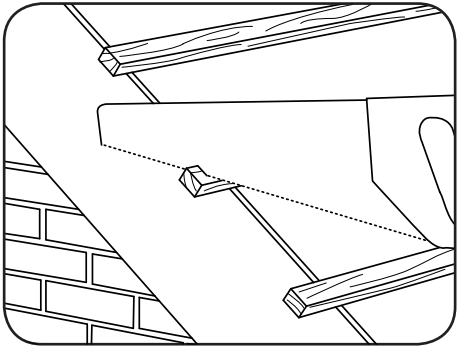
Sandtoft Cassius, Balmoral, BritLock, BritSlate, Pennine Slates & 20/20 Interlocking Plain Tiles.

Forticrete Minislate Slates & Gemini Interlocking Plain Tiles.

Lagen Elite Slates.

For all other tile enquiries please contact us.

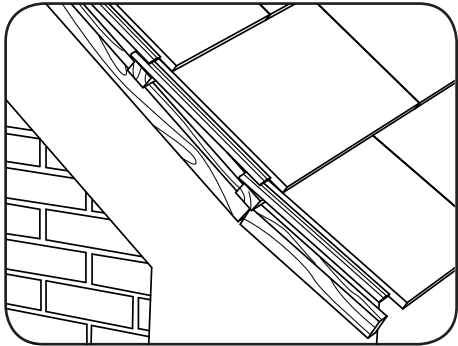
Installation



1. In a new build situation, saw the tiling battens off square so that they overhang the gable wall or bargeboard by **30mm**.

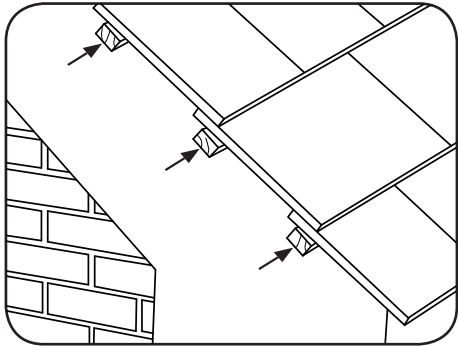
Lay the right hand and left hand tiles flush with the end of the battens.

For refurbishment situations, continue to step **2**.



2. Securely plug and screw as necessary (at approx. **500mm centres**) a length of **25mm x 38mm** timber batten to the brickwork or bargeboard as shown in **Fig A** and **Fig B** overleaf.

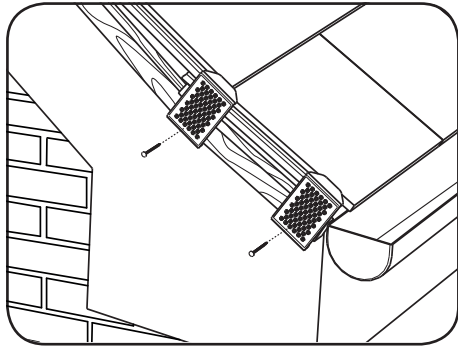
Continue this on both sides of the roof running from the eave to the ridge. This is used for nailing each Linear Verge Unit to the verge of the roof.



3. Alternatively, each unit can be nailed to the ends of the tiling battens.

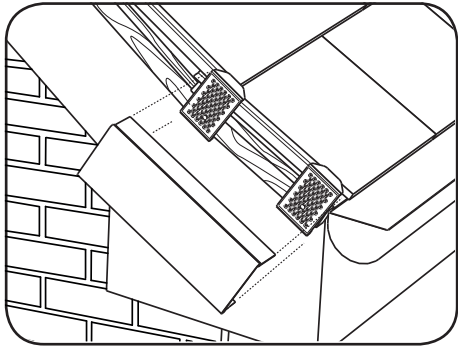
To achieve this, each Linear Verge Unit may have to be shortened so as to allow the nail holes to line up with the ends of the tiling battens.

Saw each unit square using a hacksaw or fine tooth saw then debur with a scraper.



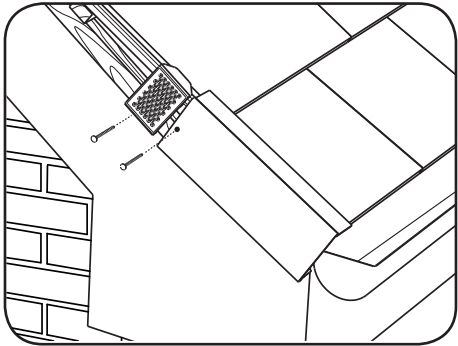
4. For roofs where the bottom course tiles are tilted upwards, securely fix two **Fixing Clips** at each end of the tile with the annular ring shank nails provided. (**Important:** Ensure that the flange labelled “**top**” faces upwards). Nail through an appropriate hole so that the nail penetrates the centre of the batten.

For straight verges, continue to step **6b**.



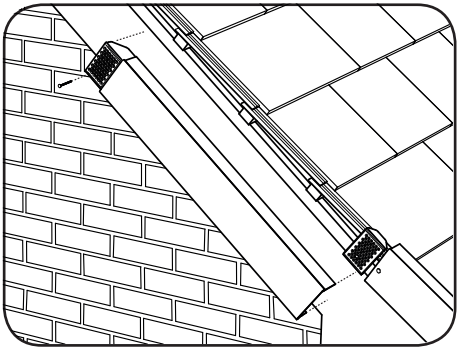
5. Saw a length of the Linear Verge Unit down to cover the full length of the tilted section of the verge.

Hook the shortened Linear Verge Unit section over the top of both Fixing Clips and then push it on to the verge until it engages with both clips.



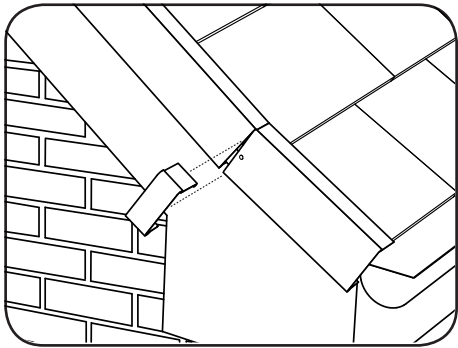
6. To prevent the shortened Linear Verge Unit from sliding down the verge, drill and nail the unit **10mm** from the edge into the batten strip as shown above.

b) Secure a **Fixing Clip** at the start of the straight run of verge. With the fixings provided, nail through an appropriate hole so that the nail penetrates the centre of the batten strip.



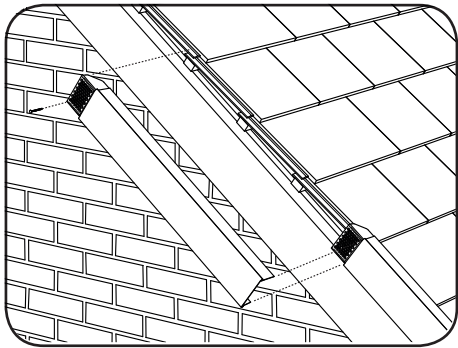
7. Hook the next Linear Verge Unit over the top of the Fixing Clip then push it on until the clip of the Verge Unit engages with the Fixing Clip.

While pressing the Linear Verge Unit down firmly against the tiles, nail the tail end of the Linear Verge Unit through an appropriate hole so that the nail penetrates the centre of the batten strip or batten end.



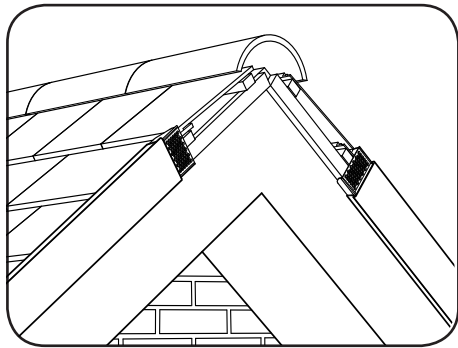
8. For roofs where the bottom course tiles are tilted upwards, cover the nail head and joint using a **Verge Union**.

Hook the Verge Union around the top flange between the Linear Verge Unit and the tiles, then firmly push the Verge Union onto the joint until the clip engages with both Linear Verge Units.



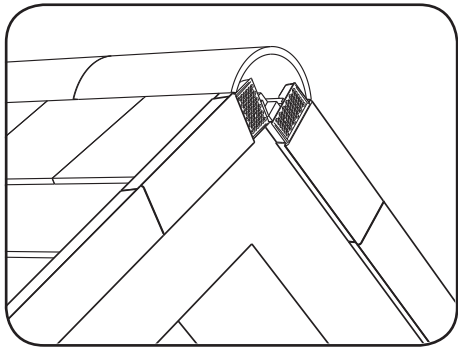
9. Continue up the verge, clipping and fixing each Linear Verge Unit consecutively.

Leave a **2mm** gap between each Linear Verge Unit to allow for expansion of the product in warmer temperatures.



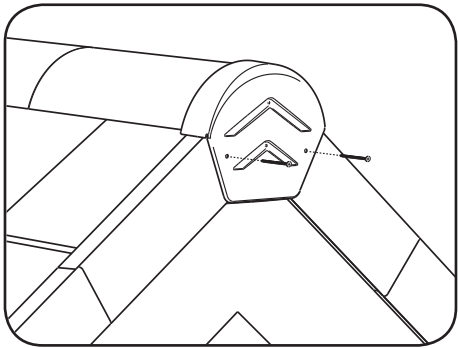
10. Repeat this process up the verge until all tiles have been covered.

Once the left hand verge is completed repeat steps **1** to **9** on the opposing verge, this time using the Right Hand Linear Verge Units.



11. At the apex of the verge, shorten the last two Linear Verge Units as shown above to fit the remainder of the verge.

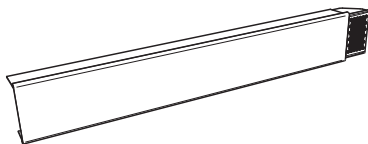
To shorten the Linear Verge Units, measure and saw each unit square using a hacksaw or fine tooth saw then debur with a scraper.



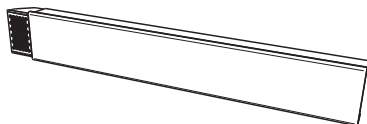
12. To finish the roof at the apex, place a **Ridge End Cap** over the end of the ridge tile so that it sits over both Linear Verge Units.

Using the screws provided, screw into the Ridge End Cap through the desired blind nail hole and into the end of the ridge batten, or, if this is not available, into the top tiling battens.

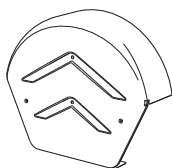
The Complete System



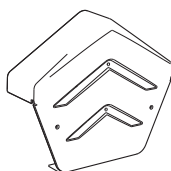
Right Hand Dry Verge Unit
(Code: GLV-RH)



Left Hand Dry Verge Unit
(Code: GLV-LH)



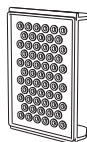
Round Ridge End Cap
(Code: GDV-END-R)



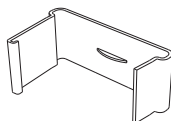
Angled Ridge End Cap
(Code: GDV-END-A)



Fixing
Instructions



Fixing Clip
(Code: GLV-FC)



Verge Union
(Code: GLV-VU)



S/S Screws
S/S A.R.S. Nails

Note: careful attention should be taken when specifying 'Right' & 'Left'.



Right Hand Verge



Left Hand Verge

Colours:
GR - Slate Grey
BL - Black
BR - Dark Brown
TR - Terracotta
WH - White

Other products from Manthorpe include Cavity Trays, Cavity Closer, Loft Doors, Linear Drainage, Access Panels, Roof Ventilation, Through Wall & Underfloor Ventilation, Joist Seals and Dry Roofing Products.



Manthorpe Building Products Limited

Manthorpe House, Brittain Drive, Codnor Gate Business Park, Ripley, Derbyshire DE5 3ND

T: (01773) 514200 F: (01773) 514262 E: sales@manthorpe.co.uk

W: <http://www.manthorpe.co.uk>