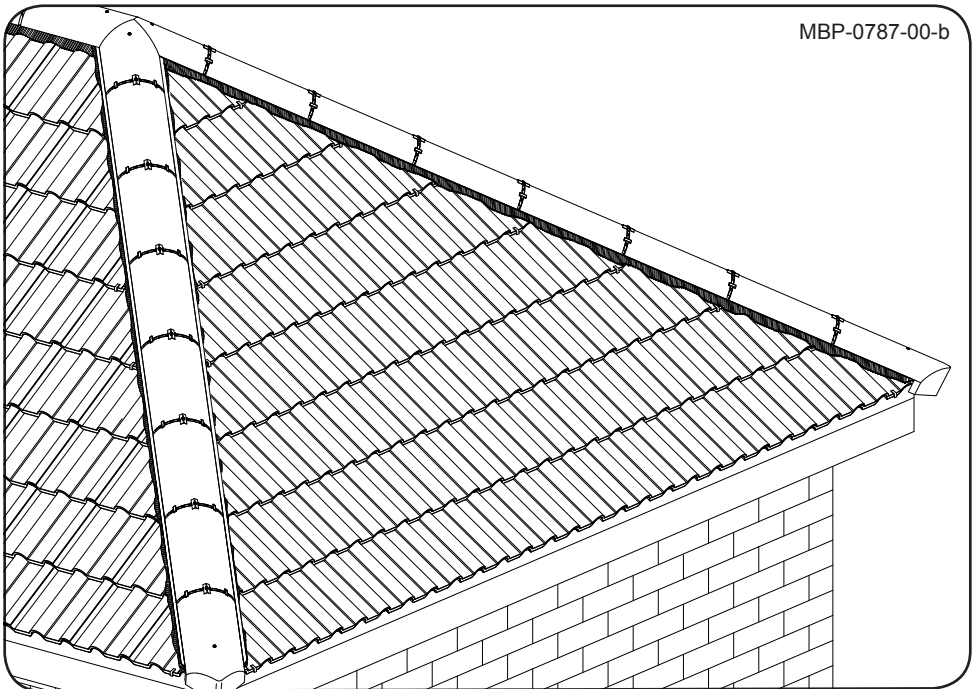




# ***GDRH*** **Roll-Out Dry Hip System**

Fixing Instructions



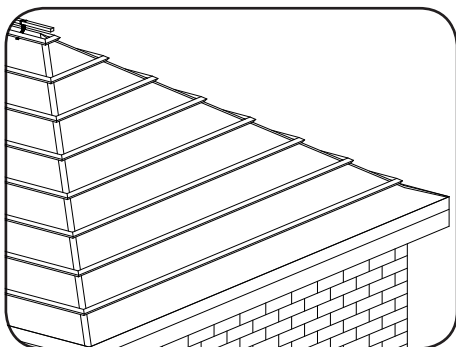
## Overview

The Manthorpe Roll-Out Dry Hip System provides a quick, easy and neat solution to the fixing of tiles down the hip of a roof without the need for mixing and carrying mortar. Designed as a universal system, the Manthorpe Dry Hip can be used with most concrete/clay ridge and hip tiles and most tile and slate profiles. It will also work on most pitches and plan angles of roof (for minimum and maximum pitch figures of particular tile and slate types, see tile manufacturers literature).

If necessary, the system can be used to provide ventilation up the line of the hip to meet the requirements of BS5250. The system is available in three different roll colours to closely match the finish of the roof covering.

The hip tray provided ensures an even and straight hip line on even the deepest tile profiles and is recommended for use with all roof coverings.

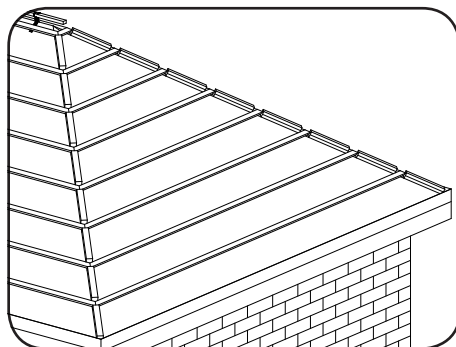
## Installation



**1.** Lay the roof underlay as normal. If ventilation is required through the hip, a 5mm air gap should be created in the underlay either side of the hip rafter.

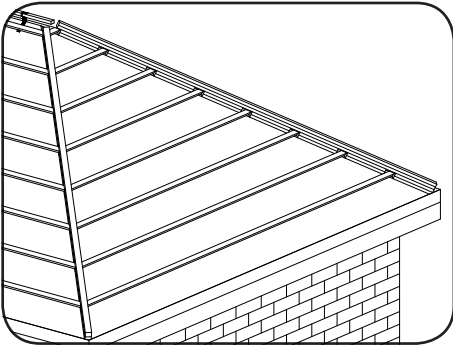
For non ventilated hip details, dress the underlay over the hip rafter as normal.

Neatly mitre each of the battens and secure onto the hip rafter.



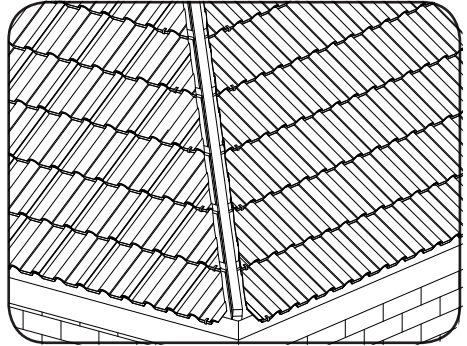
**2.** Cut lengths of 50 x 25mm batten to fit directly onto the hip rafter, between the tiling battens. Layer the pieces two high creating 50 x 50mm batten spacers and screw securely to the hip rafter.

Batten spacers need to be fitted at the eaves and the apex and at appropriate intervals up the hip rafter.



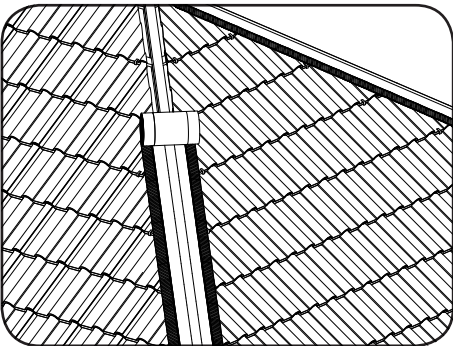
**3.** Lay lengths of 50 x 25mm batten cut to the length of the hip rafter on top of the batten spacers and screw the hip batten securely to them.

The hip batten can be built up with additional lengths of batten depending on the height required for the type of tiles being used.



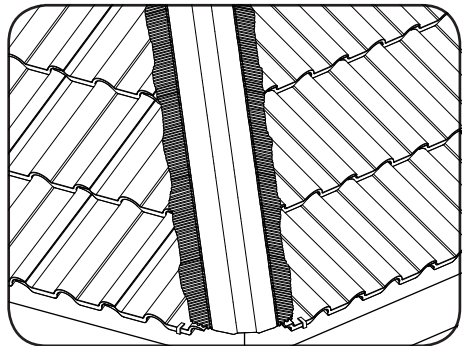
**4.** Tile the roof on both sides of the hip as normal.

Make sure no cut is more than 30mm from the hip batten. Secure smaller cuts of tiles using tile clips available from the tile manufacturer.



**5.** Starting at the eaves roll out the Vent Roll centrally along the entirety of the hip. Neatly trim the roll at the eaves and at the ridge allowing the roll to overlap the ridge apex by 100mm.

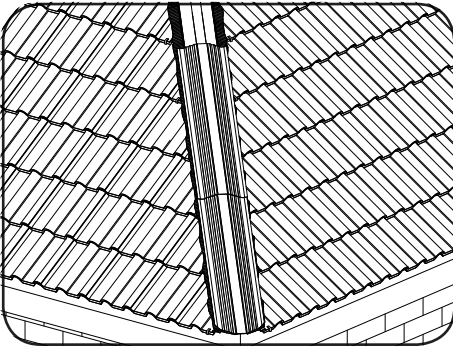
Tack the roll at 500mm intervals to the hip batten using staples or felt nails.



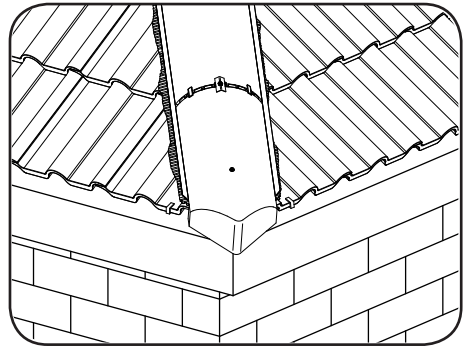
**6.** Remove the protective tape from the adhesive strip on the underside of the corrugated edge.

Push the entire length of the adhesive strip on to the tiles so that the corrugated strip moulds into the profile of the tiles.

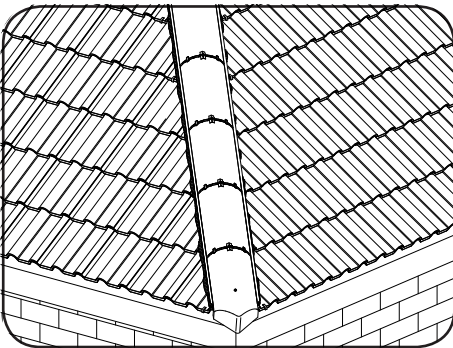
Ensure that the Vent Roll is fully sealed along the entire hip on both sides.



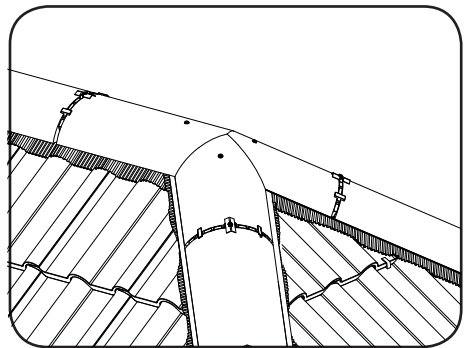
**7.** Trim a piece of hip support tray at the eaves to suit the overhang of the bottom course of tiles and secure in place using suitable nails. Continue up the hip with the remaining trays, overlapping the trays by 100mm at each join.



**8.** Using one of the 4" screws and washers provided, secure a block end hip tile in place ensuring the screw has adequate penetration into the hip batten.



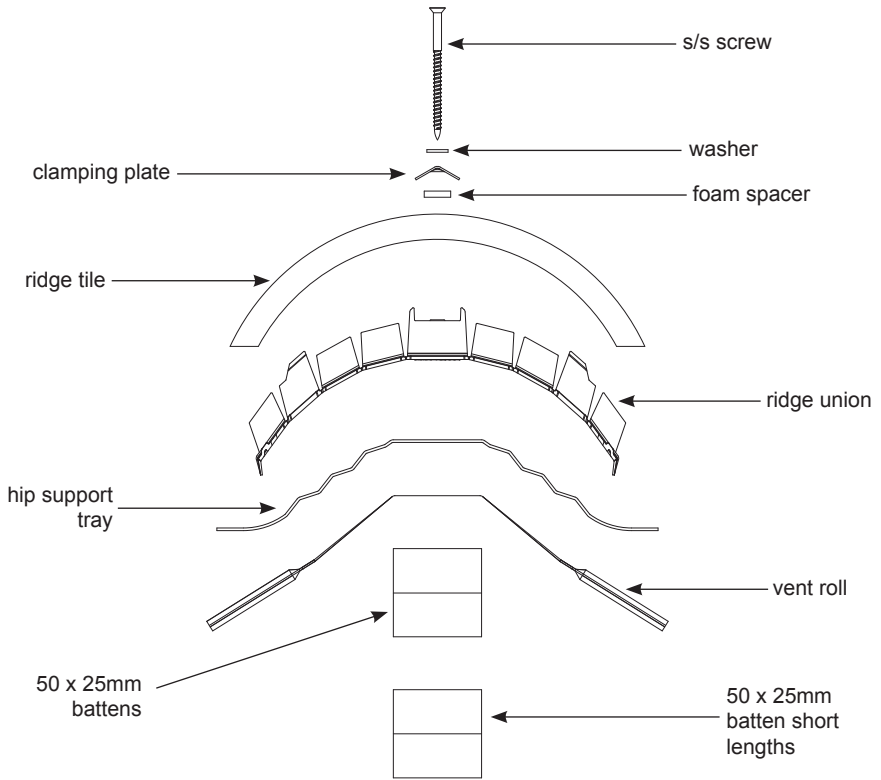
**9.** Continue tiling up the length of the hip placing a ridge union between each of the hip tiles. Securely fasten each ridge union in place by tightening the screw down into the hip rafter. Ensure that there is a sufficient screw penetration into the hip rafter and that the metal clamp adequately clasps the hip tiles.



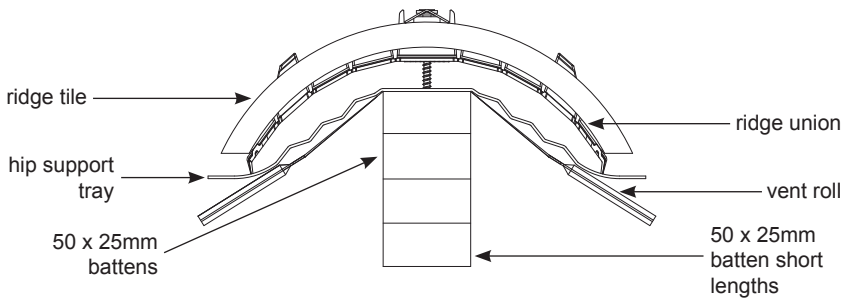
**10.** At the hip-ridge junction, ensure that the last tile in the run is a full length tile by cutting the previous tile down in length, if required. Mitre cut the three tiles at the junction to fit neatly together, drill and secure them in place with the screws provided. A small bed of mortar can be placed on the vent roll to support the mitred tiles. The mitred joints should be sealed with a suitable roofing grade waterproof sealant or lead saddle.

# Hip Details

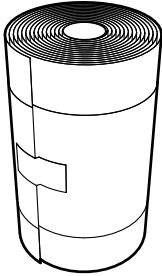
**Fig A. Assembly View of Dry Hip Detail**



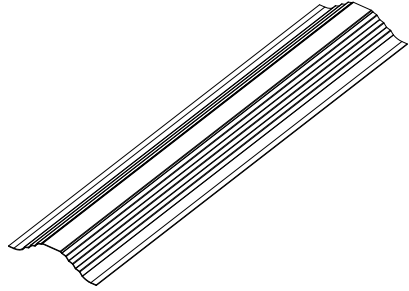
**Fig B. Finished Dry Hip Detail**



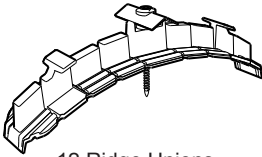
# The Complete System



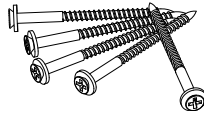
6m Vent Roll  
(Code: GDRR-RR)



6 x 1.1m Hip Support Trays  
Also available seperately - 10 per pack (Code: GDRH-ST)



12 Ridge Unions  
(Code: GDRR-RU)



5 x 4" screws and  
rubber washers



Fitting  
Instructions

Vent Roll Colours:  
BL - Black  
BR - Dark Brown  
TR - Terracotta

The Manthorpe Roll-Out Dry Hip System can be used in conjunction with The Manthorpe Roll-Out Dry Ridge System.

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.



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