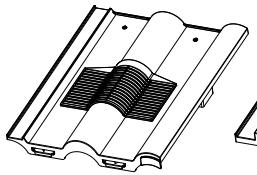
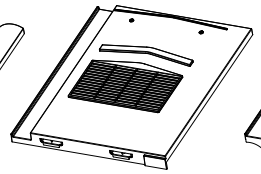
The Complete Range Profiles available from Manthorpe's range of tile & slate ventilators



Double Roman
Code: GTV-DR

For use with:

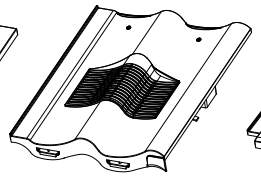
Marley Double Roman
Redland Double Roman
Sandtoft Double Roman
Russell Double Roman
Lagan Double Roll



Non-Profile
Code: GTV-NP

For use with:

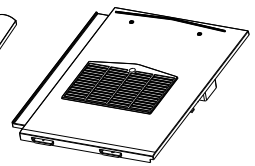
Marley Modern
Redland Mini Stonewold
Sandtoft Calderdale*
Russell Grampian
Lagan Flat



Double Pantile
Code: GTV-DP

For use with:

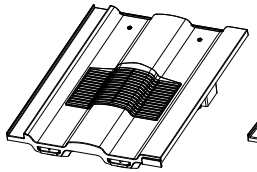
Marley Mendip
Redland Grovebury
Sandtoft Double Pantile
Russell Pennine



Thin Leading Edge
Code: GTV-TE

For use with:

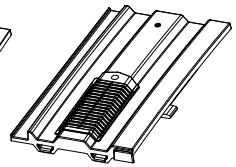
Marley Edgemere
Redland Richmond
Sandtoft TLE
Russell Galloway
Lagan Elite



Castellated
Code: GTV-CS

For use with:

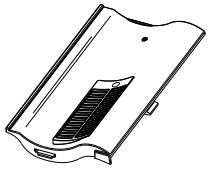
Marley Ludlow Major
Redland Renown
Sandtoft Lindum
Russell Cheviot
Lagan Square Top



Mini Castellated
Code: GTV-MC

For use with:

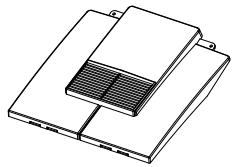
Marley Ludlow Plus
Redland 49
Sandtoft Standard Pattern
Forticrete V2



Single Pantile
Code: GTV-SP

For use with:

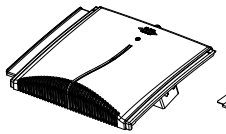
Marley Anglia
Redland Fenland
Sandtoft Shire



Plain Tile
Code: GTV-PT

For use with:

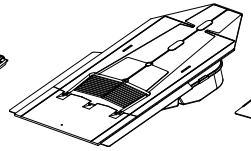
Concrete and traditional clay plain tiles. Granulated finish vents are also available.



Interlocking Plain Tile
Code: GTV-IP

For use with:

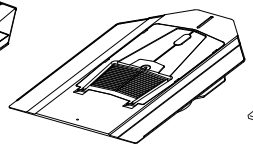
Marley Ashmore
Redland DuoPlain
Forticrete Gemini



Slate Vent (In-Line)
Code: GILSV30-25

For use with:

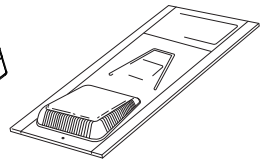
Man-made and natural slates. 600 x 300mm in size.



Slate Vent (In-Line)
Code: GILSV25-20

For use with:

Man-made and natural slates. 400 x 200mm up to 500 x 250mm.



Slate Vent (Hooded)
Code: GRSV30-25 or GRSV45

For use with:

Man-made and natural slates of various sizes.

**Non-Profile vent will suit the original Calderdale tile, for the Calderdale Edge tile use the Flat Edge tile vent.*

Manthorpe Building Products Limited

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W: www.manthorpebp.co.uk

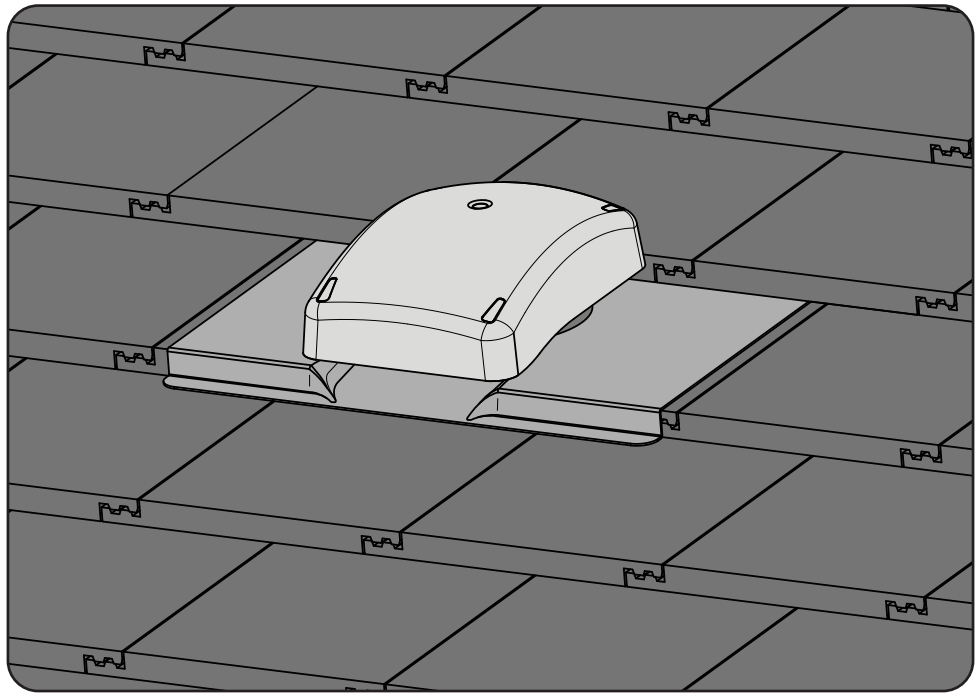
Manthorpe

Cowled Universal Roof Ventilator

Fitting Instructions

Vent illustrated on a flat interlocking concrete tile.

MBP1151b



Cowled Universal Roof Ventilator Installation Requirements:

Product Airflow: **8,650 mm² when used with the 4" round spigot connector**
12,750 mm² when used with the 5" round spigot connector*
13,350 mm² when used with the 6" oval spigot connector

Minimum Pitch: 12.5°

The roof vent should not be used to extract hot exhaust gases, nor be placed close to other potentially hot elements of the roof structure.

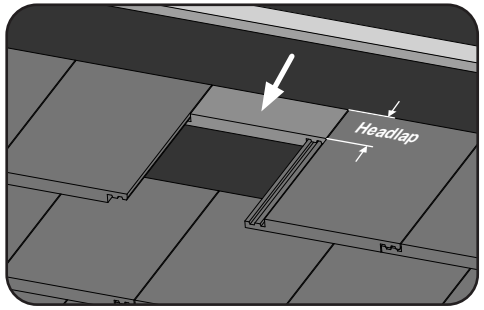
If using at high level, the vent should not be placed on the course directly below the ridge tile.

For mechanical extraction purposes when used with 4" diameter ducting systems, use one of Manthorpe's **GRPA Flexible Pipe Range** in conjunction with the vent†.

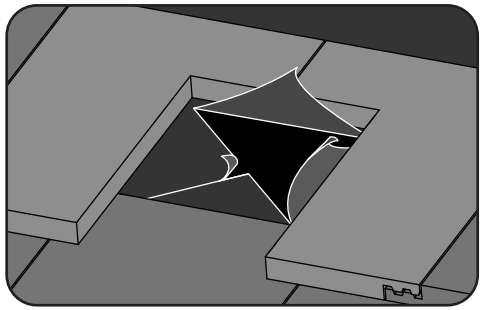
Installation

The flashing skirt is designed to be dressed over the course the vent sits on, to allow for the penetration below, an entire tile can be removed or the corners of two adjacent tiles can be trimmed to create an opening. In both instances a strip of tile/slate the same depth as the headlap should be left to support the rear of the flashing.

When replacing a single tile



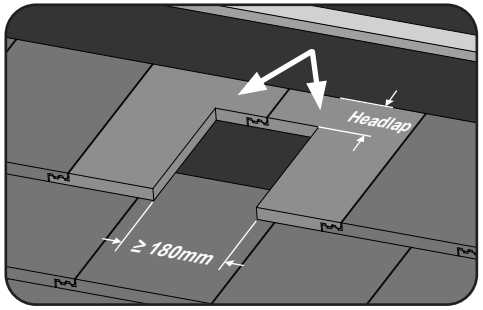
1a. Cut the headlap length from the top of the removed tile and lay in place.



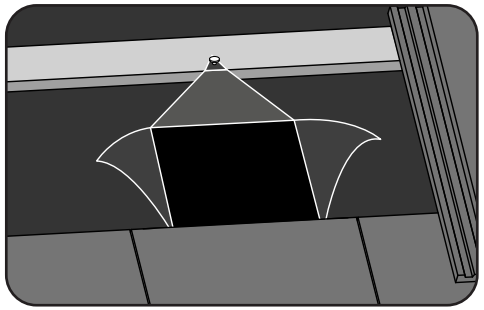
2. Mark and cut the underlay diagonally within the gap in the tiles, folding the triangular tabs upward to create an opening for the vent.

OR

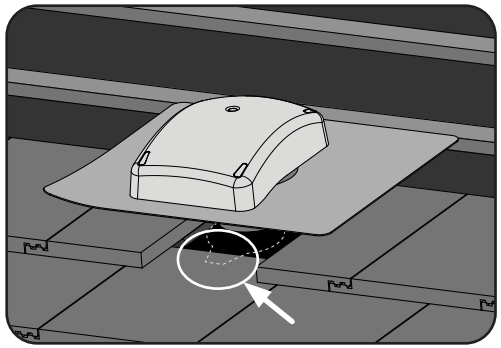
Installing between adjacent tiles



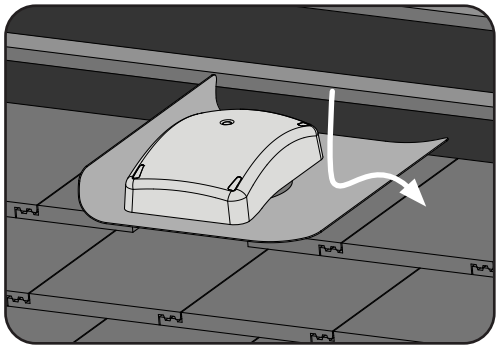
1b. Cut a min 180mm wide hole across two adjacent tiles to the headlap length.



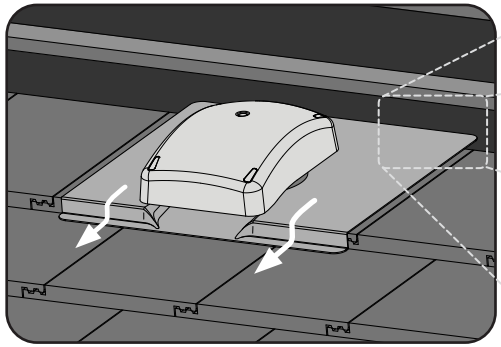
3. Remove the cut tile(s) and secure the upper tab tight up against the batten above. Replace the tile(s), tucking the remaining tabs below the adjacent tiles.



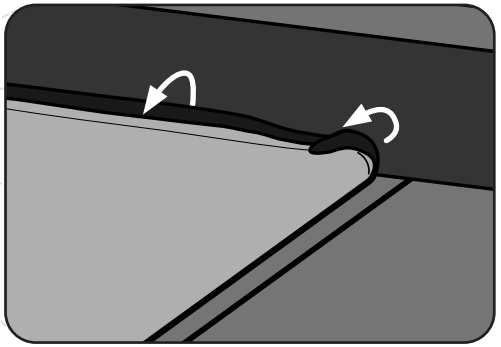
4. Align the vent so it is central over the hole in the tiles, pulling it far enough forward so that the front tab on the base rests against the tile on the course below and the hood clears the headlap of the course above.



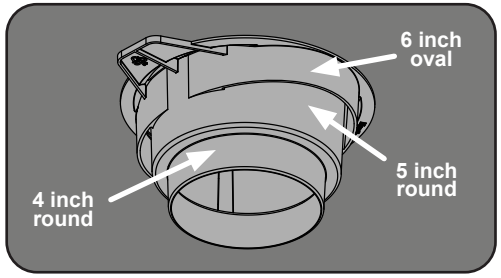
5. Remove the backing film from the flashing skirt and lower the vent into position. Begin to dress the flashing down onto the adjacent tiles, working from the inside out, contouring into the profile of the tile where necessary.



6. Once dressed over the adjacent tiles, the front of the flashing can be brought over the depth of the tile and dressed down onto the course below. Take care not to over-stretch the flashing when forming over the corners of the opening.



7. Excess flashing lapping over the upper edge of the tile can be rolled over from the top edge and corners to form a welt as illustrated, exposing the adhesive backing to the underside of the course above. Continue tiling in the normal manner.



**The 5" outlet can offer a larger ventilation area when trimmed across the lower end of the diameter with a saw. Using the trim guide on the flat end of the 5" spigot will create an 11,900mm² opening.*

Pipe Connections

The base spigot can be trimmed to accept incremental pipe sizes. Without alteration the standard connection is 4" in diameter which can be trimmed to allow 5" connections. An oval 6" spigot is also available with both round pipes removed.

†NOTE: To comply with the BRE Report 262, it is recommended that the GRPA pipes and other ducting should be fully insulated along its total length in the roof space to avoid the risk of internal condensation.