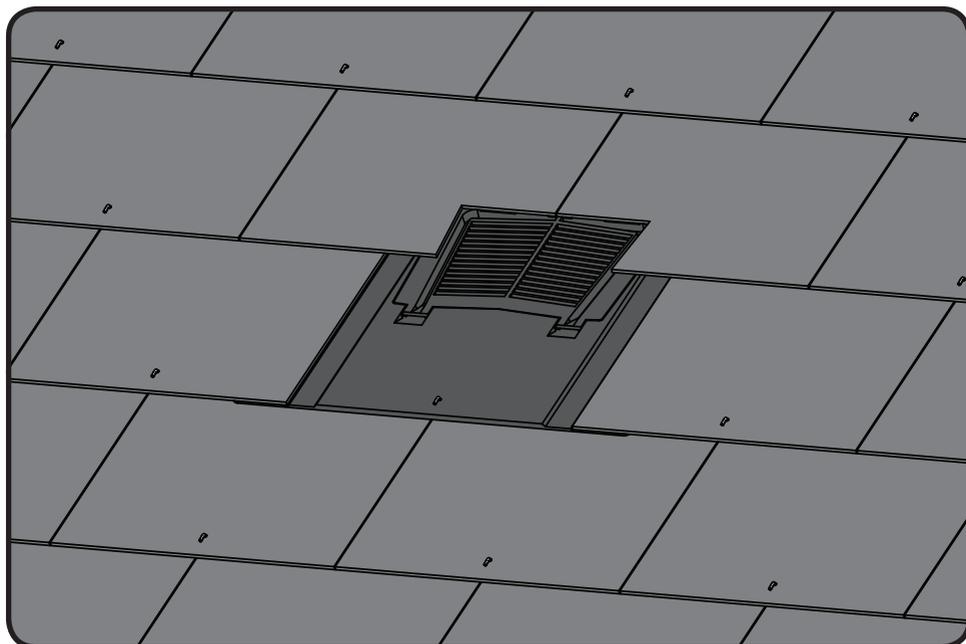




Small Format In-Line Slate Ventilator

Fitting Instructions

MBP1094a



Small Format In-Line Slate Ventilator

Installation Requirements:

- **Slate Size Range:** Max - 500 x 250mm
Min - 400 x 200mm
- **Free Vent Area:** 6,000mm²

For 500 x 250mm Slates

- **Minimum Roof Pitch:** 22.5°
- **Maximum Batten Gauge:** 195mm[†]

For 400 x 200mm Slates

- **Minimum Roof Pitch:** 30°
- **Maximum Batten Gauge:** 160mm

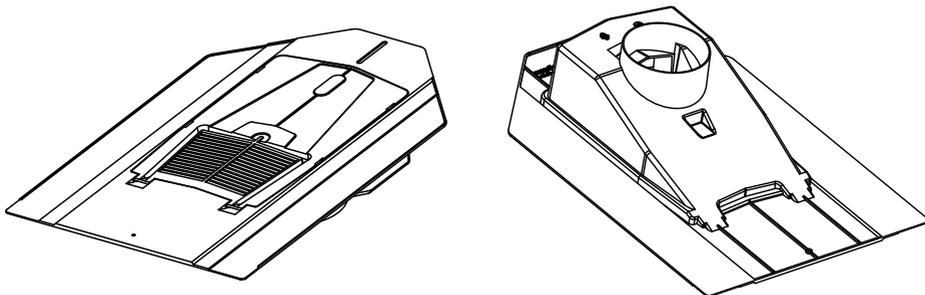
The slate vent should not be used to extract hot exhaust gases, nor be placed close to any other potentially hot elements of the roof structure such as chimneys or flues.

The vent cannot be situated over a rafter; the outlet must sit between two rafters.

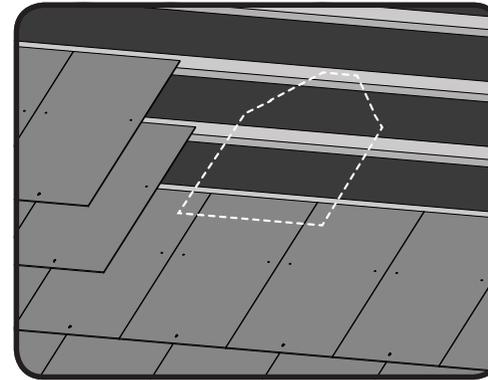
When ventilating at high level, the vent should not be placed on the course directly below the ridge tile, at least one course of full slates must be fitted over the vent. At low level the vent should be placed high enough for the internal spigot to clear the insulation layer within the roof space.

For mechanical extraction, use in conjunction with the Manthorpe **GRPA Flexible Pipe**.

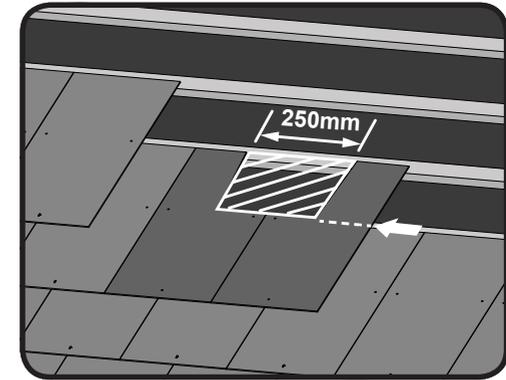
[†]For batten gauges below 185mm, a second batten cut is required, see step 3 for further details.



In-Line Slate Ventilator Installation Guide:

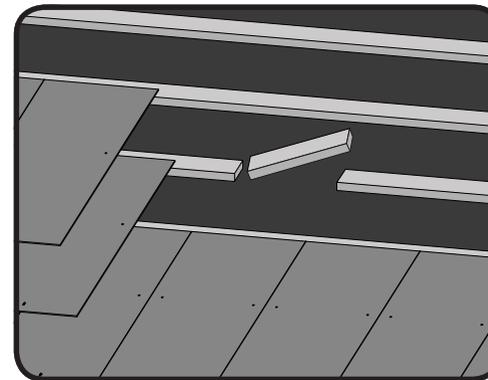


1. Prepare the roof in the conventional manner, finishing two courses below where the vent is intended to be installed. Lay the two slates on the course directly below the where the vent will be, but do not fix them in place. Vent cannot be installed over a truss or rafter.



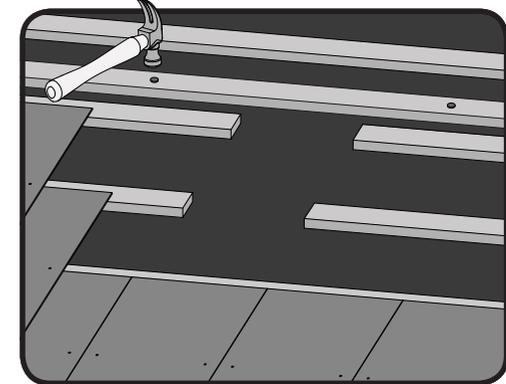
2. On the two slates, mark out an area that is 250mm wide (125mm per slate) and as far down as the top edge of the slates on the course below, as shown above.

Trim the slates to remove these areas.



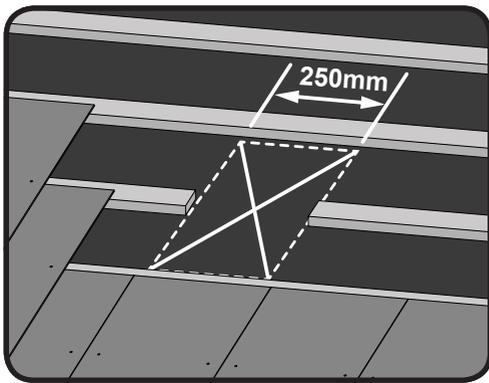
3. The installation of the vent requires at least one batten to be cut. Using the trimmed slates as a guide, mark out a 250mm wide section of the batten below and cut it out, taking care not to damage the underlay.

For roof details with a batten gauge below 185mm, a second batten needs to be cut. Mark the batten in line with the first and cut it out.

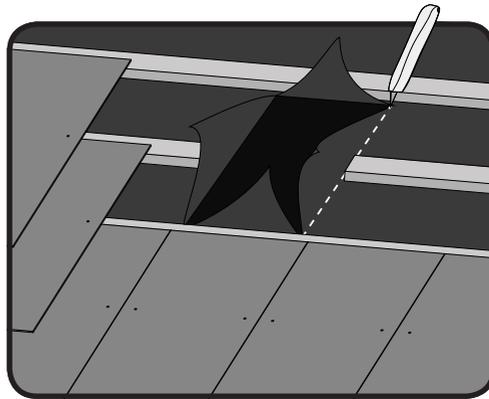


For details with a single cut batten, proceed to Step 5.

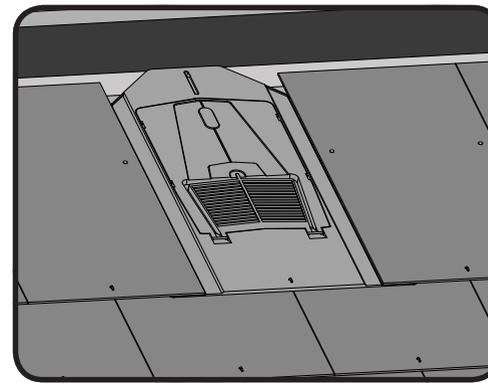
4. Offer up the vent to the detail and mark where the back edge of the underside of the base will come to. If space permits, refit a secondary batten length above the area that has been removed. This offset batten should be supported across 3 rafters, primarily the two adjacent to the vent. Ensure this batten is nailed in place.



5. Using the trimmed batten(s) as a guide, mark a box on the underlay below, join the corners diagonally with an 'X'.

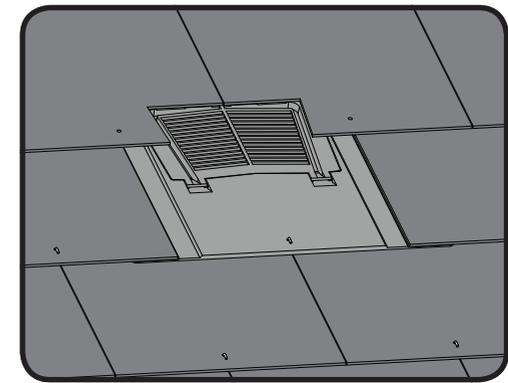


6. Cut the underlay along the diagonal X lines and fold back the triangular tabs to reveal the base opening.



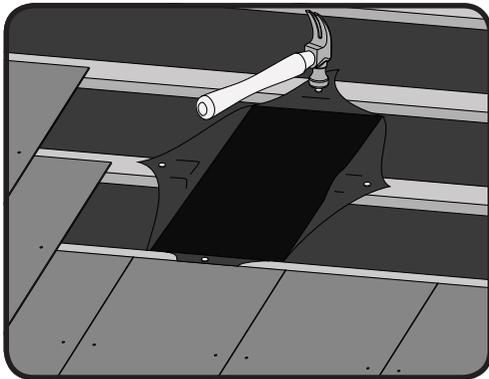
11. Fit the adjacent slates, lapping them over the edge skirt and up to the required width for the slates. For 250mm wide slates, lay to the outer guide edge, narrower slates can be overlapped up to the inner guide edge.

Fix the adjacent slates and continue along the course in the usual manner.

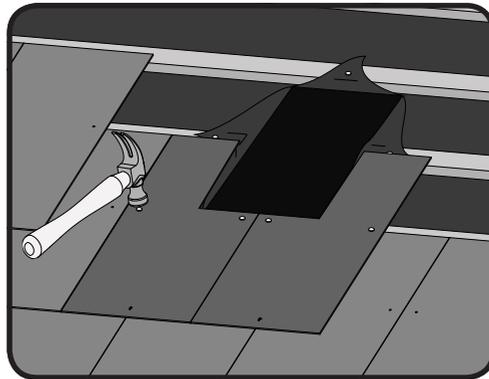


12. When laying the course above, some trimming of the slates directly above the vent is required to ensure they do not obstruct the grille opening.

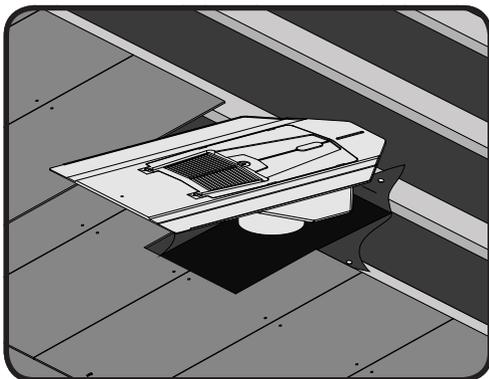
Using the outer edge of the grille channel as a guide, mark and cut the corners from the two slates above and fix them in place as shown.



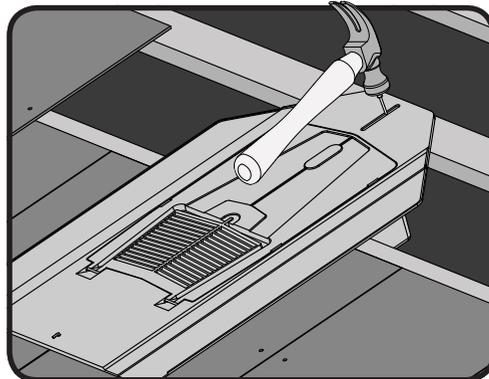
7. Fold the 4 tabs tight up against the adjoining battens and secure in position with a staple or tack.



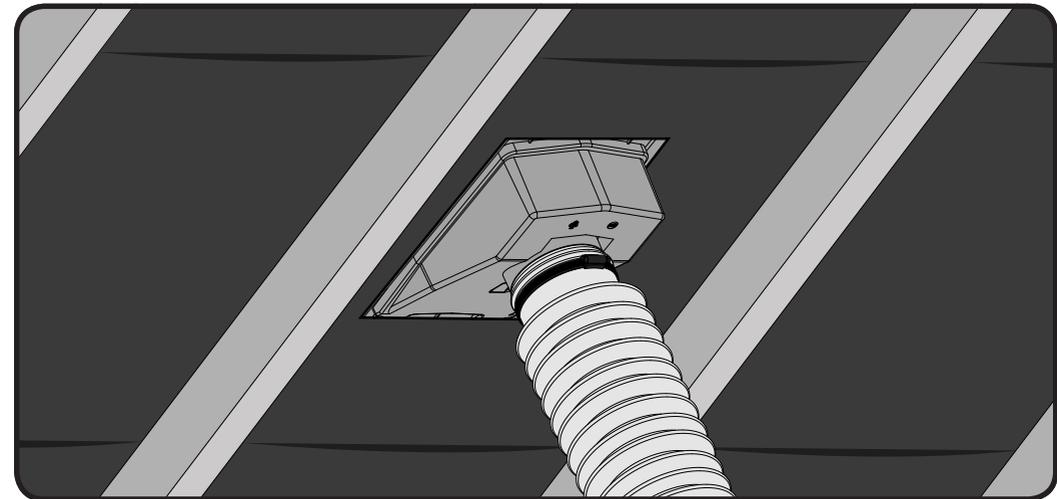
8. Replace the cut slates and securely fix them in position ensuring that the vent penetration is left unobstructed.



9. Slot the vent into position, allowing the base to pass through the underlay. Align the vent centrally with the slates below.



10. Nail the vent into position through the upper fixing slot provided. A disc rivet should be used to secure the front edge.

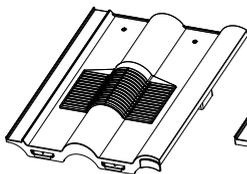


13. If you wish to use the terminal for mechanical extraction, soil stack ventilation or with other ducted ventilation systems, first install the vent as instructed and then locate the outlet within the loft space. The GILSV25-20 has an integral 4" diameter circular outlet on its base which can connect directly on to a Manthorpe GRPA Flexible Pipe. To fit, simply align the GRPA, push over the outlet and secure it in place with a jubilee clip.

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

The Complete Range

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

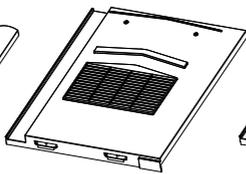


Double Roman

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 Caderdale
Russell Grampian
Lagan Flat

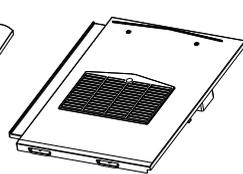


Double Pantile

Code: GTV-DP

For use with:

Marley Mendip
Redland Grovebury
Sandtoft Double Pantile
Russell Pennine

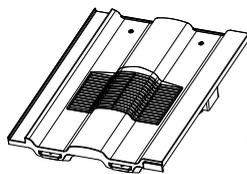


Thin Leading Edge

Code: GTV-TE

For use with:

Marley Edgemere
Redland Richmond
Sandtoft TLE
Russell Galloway
Lagan Elite

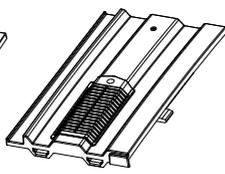


Castellated

Code: GTV-CS

For use with:

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

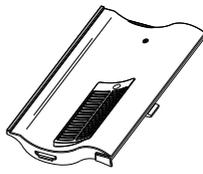


Mini Castellated

Code: GTV-MC

For use with:

Marley Ludlow Plus
Redland 49
Sandtoft Standard attern
Forticrete V2

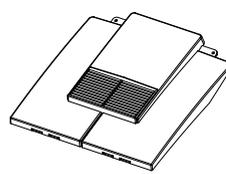


Single Pantile

Code: GTV-SP

For use with:

Marley Anglia
Redland Fenland
Sandtoft Shire

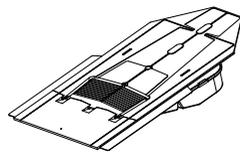


Plain Tile

Code: GTV-PT

For use with:

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

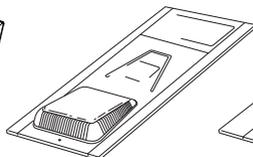


Slate Vent (In-Line)

Code: GILSV30-25

For use with:

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

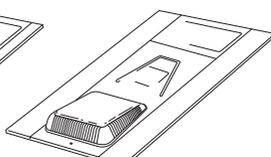


Slate Vent (Hooded)

Code: GRSV30-25

For use with:

Man-made and
natural slates.
500 x 250mm up to
600 x 300mm.



Slate Vent (Hooded)

Code: GRSV45

For use with:

Man-made and
natural slates.
500 x 250mm up to
600 x 450mm.

**Other products
available from
Manthorpe include:**

Cavity Trays
Cavity Closer
Loft Doors
Access Panels
Roof Ventilation
Through Wall &
Underfloor Ventilation
Drainage Channels
Dry Fix Roofing
Air Leakage Products.

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W: www.manthorpe.co.uk

