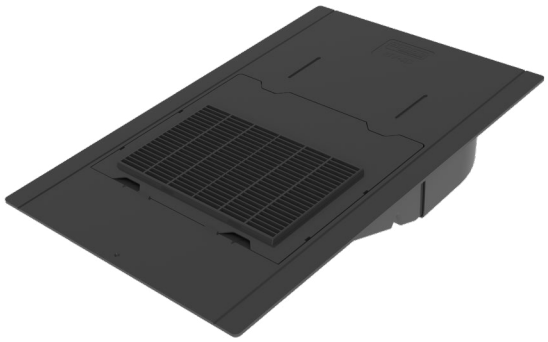
INVENTIVE

Roof ventilation solutions

INSTALLATION GUIDE

Small Inline Slate Vent



RTV-SISBL

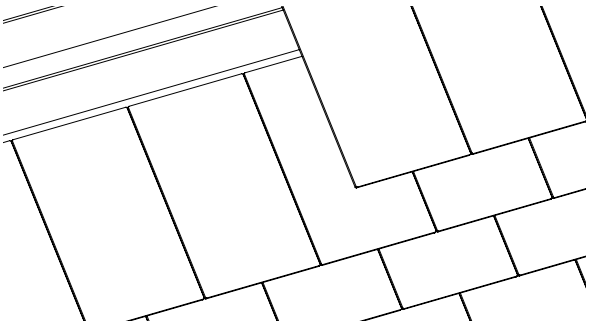
Independently tested by BRE for deluge and wind driven rain to PD CEN/ TR15601:2012

BS EN 490:2011 Concrete roofing tiles and fittings for roof covering and wall cladding, product specifications (+A1:2017)

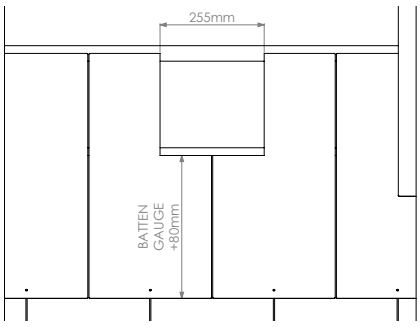
BS 5250: 2021 Management of moisture in buildings – Code of practice

Small Inline Slate vent to enable ventilation directly into a roof space or connect to a ducted ventilation system.

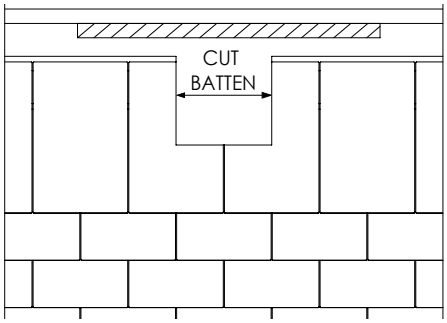
Installation Steps | For small slates 400 (W) x 250mm (H) or smaller



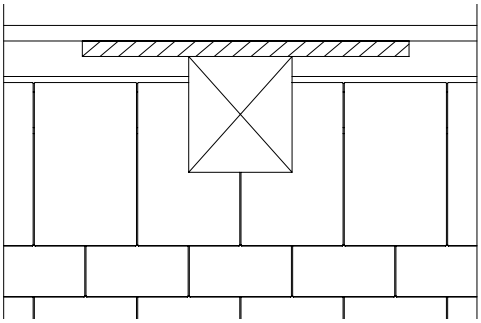
1. Install the slate tiles up to the area where the vent is required.



2. Position then mark and cut the slate vent position as shown. Then remove the cut slate to one side.



3. Using the trimmed slates as a guide, cut away the centre section of any batten(s) that are in the way using a saw. Now fix a new counter batten above the vent area ensuring that this spans between at least two rafters.



4. Mark out a rectangular area using the cut tiles and upper and lower battens as a guide. Mark a cross shape through the rectangle then cut along the diagonal lines to form triangular flaps.

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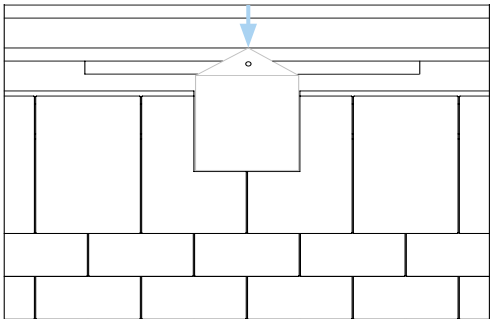
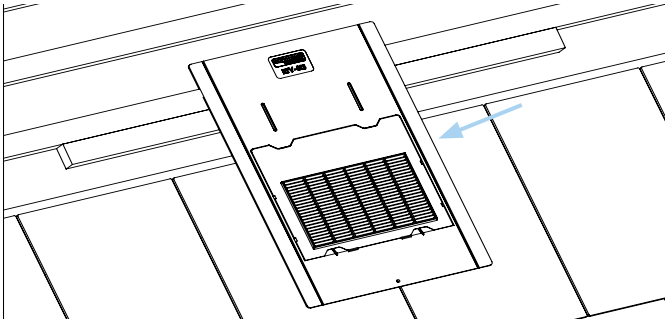
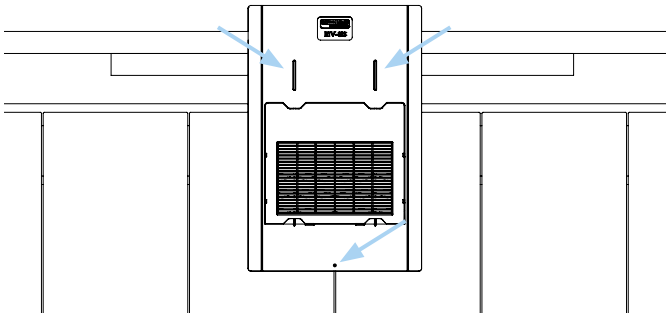
timloc building products



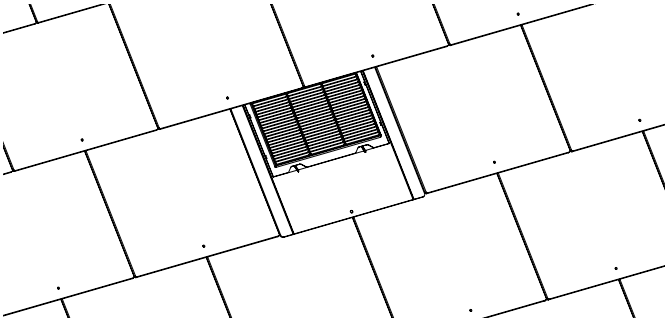
5. Fold back the triangular flaps of the underlay to show the rectangular opening. Now fold the top tab tight against the batten and secure in place with a nail or staple. Now re-fit the adjacent slates.



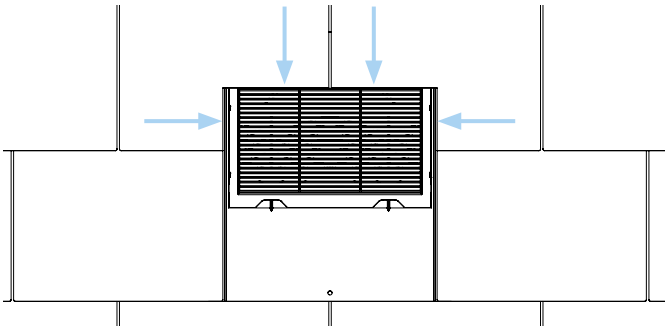
6. Insert the slate vent through the cut hole in the underlay. Ensure that the base of the vent passes through fully without snagging the edges of the underlay.



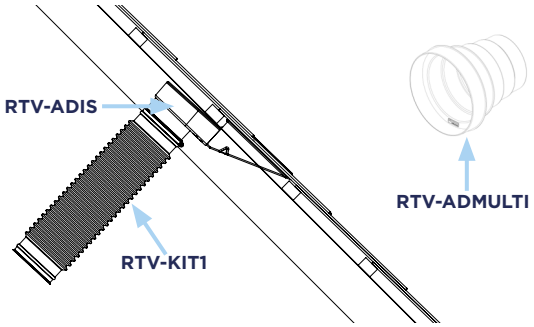
7. Use slate fixing nails to secure the slate vent to the battens through the two slotted fixing areas shown. A copper disc rivet should be used to secure the bottom edge of the slate vent through the marked centre hole.



8. Now fit the slates at the sides of the vent and then continue to fit the rest of the slate courses up the roof. Depending on the headlap and slate size used, The slates above the vent may require trimming to fit around the grille section.



9. If required at lower batten gauges the slates directly above the vent should be trimmed to sit flush above the grille section as shown.



10. To connect the slate vent to a mechanical ventilation system or soil stack - connect the ductwork via the **RTV-ADIS** 110mm duct adapter underneath the vent. The optional **RTV-KIT1** 110mm Flexi-Pipe kit can be used to connect to 110mm duct/soil vent pipe. The **RTV-ADMULTI** stepped duct adapter can also be used and cut to size to convert the ductwork to other duct diameters.

Roof Slate Vent Spacing Requirements

- To achieve an equivalent continuous opening of 5mm – space at 1.89m.
- To achieve an equivalent continuous opening of 10mm – space at 0.945m.
- To achieve an equivalent continuous opening of 25mm – space at 0.378m.

Slate Vent Installation Advice

- The Small Inline Slate Vents are compatible with roof pitches of 22.5° or above.
- The maximum headlap is 100mm.
- The Small Inline Slate Vent provides 9,450mm² free ventilation area per unit.
- When used with the RTV-ADIS Inline Slate Vent adapter the free ventilation area is reduced to 8,800mm².
- If you wish to place the Small Inline Slate Vent at high level then it must not be situated on the tiling course directly below the ridge tiles.
- The Small Inline Slate Vent must not be used to provide exhaust for hot gases.
- Any ductwork that is connected to the Small Inline Slate Vent running through the loft or other unheated space must be fully insulated to ensure that condensation does not collect inside.
- The Small Inline Slate Vents must not be placed directly next to any hot parts of the roof.

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