

**Note**

This product is not designed to replace conventional roof ventilation openings or recommended for use in new construction work where adequate roofspace ventilation should be provided in accordance with BS5250:2011 - Control of Condensation in Buildings.

The specifier or installer should ensure that the opening of the roofing underlay laps on the property will not adversely increase the wind uplift loading on the roofcovering or the driving rain resistance of the roof; see BS5534:2003+A1:2010 - Code of Practice for Slating and Tiling (including shingles), clauses 5.8.1 & 6.2.1.1.

**Product Information**

- Product Code:** HD ULV
- Material:** Black PVC
- Airflow per panel:** 2,280mm<sup>2</sup>

**Equivalent Airflow Area Openings:**

Rafter Centres	Ventilation Area Per Linear Metre
400mm	5,700mm <sup>2</sup> minimum
450mm	5,060mm <sup>2</sup> minimum
600mm single panel	3,810mm <sup>2</sup> minimum
600mm double panel	6,270mm <sup>2</sup> minimum

The company maintains a policy of continuous development of its product range and reserves the right to amend the design and specification without notice.

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**UNDERLAY LAP VENTILATOR (HD ULV)**  
Fitting Instructions



**Description**

The underlay lap ventilator is designed for simple professional or DIY installation from the inside of cold pitched roofs where condensation is a problem.

It is designed to fit between the overlaps in the roofing underlay below the tiles or slates to introduce ventilation openings where there is no proper provision for roof space ventilation or existing ventilation air paths have been blocked, particularly when the loft insulation has been upgraded.

The shallow and tapered design of the panel suits all commonly encountered rafter spacings and allows for easier fitting between the roofing felt or underlay where the overlaps are tight.

**Installation**

It is recommended that one ventilator panel is fitted between each rafter in the lowest underlay lap above the level of the insulation layer in the loft on both sides of the roof, see fig.1. For rafter centres of 600mm and above, the ventilation area provided can be increased by the installation of two panels between each rafter. The two panels should be trimmed along the dotted line and overlapped by interlocking the first spacing rib, see fig.2.

In cases of severe condensation or for large roofs where the distance between eaves exceeds 10m (30ft), or the roof pitch is steeper than 35°, then it is recommended that an additional row of ventilation panels be fitted into the highest line of roofing felt or underlay lap closest to the ridge on both sides of the roof.

The panels should be fully inserted with the ribs uppermost and the two retaining tabs locating over the exposed edge of the roofing underlay.

After installation, the condensation levels should be monitored and if found to persist, then it is recommended that an additional row of ventilation panels be fitted between the next lowest roofing underlay overlap on both sides of the roof.

**Fitting Instructions**

Fig.1

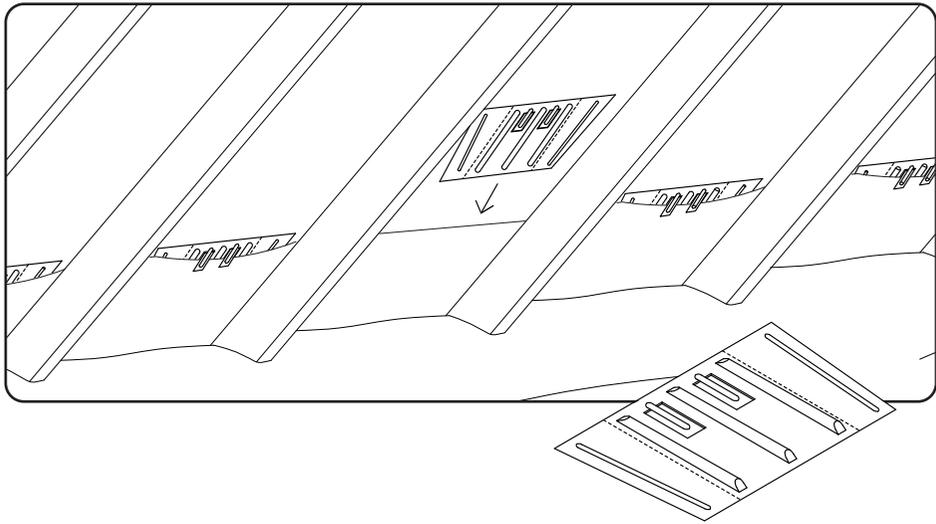


Fig.2

