

Discreet top vent unit



Bat access unit\*



## Roofing Ventilation

27

Building Regulation Approved Document F2 (England and Wales), Building Standards (Scotland) G4.1 and Building Regulation (Northern Ireland) C8 require that adequate provision is made in all roof voids to prevent excessive condensation.

Further guidance is also given in BS 5250: 2002 Code of Practice for the Control of Condensation in Buildings.

The most effective means of controlling harmful condensation is to provide efficient roofspace ventilation.

This can be achieved by providing eaves/low level through to ridge/high level ventilation.

Welsh//Slate Ventilators have been purpose designed to provide efficient roof ventilation terminals.

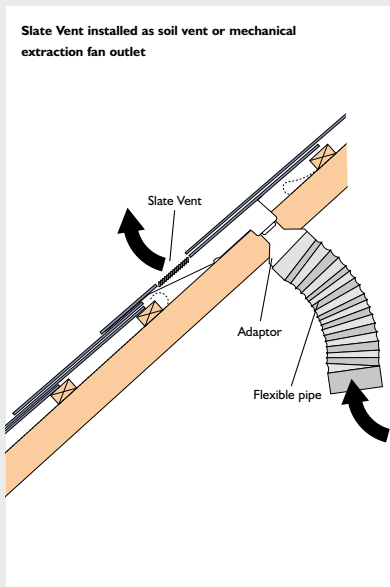
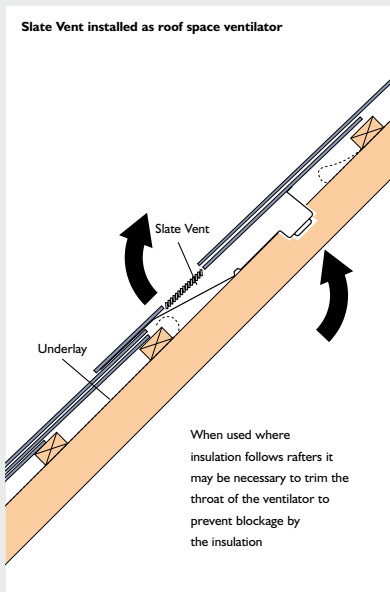
These ventilators are supplied with any of our natural roofing slates as a discreet, integral, roof ventilation unit.

The Welsh//Slate Ventilators can be used as roof terminals for natural ventilation and with adaptors as mechanical ventilation and soil pipe ventilation terminals.

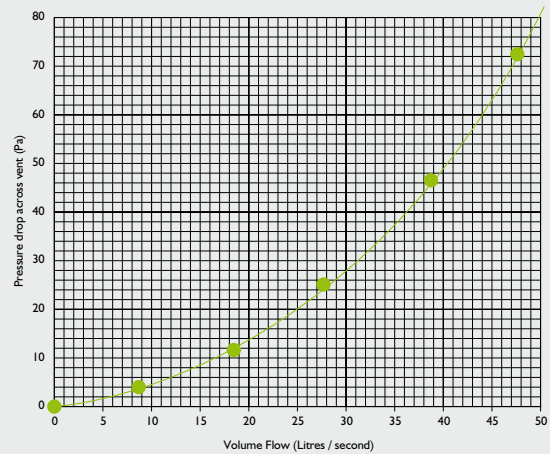
For further information please contact the Welsh//Slate Technical Department.

\* Designed to allow the entry of bats into the batten cavity/roofspace. Guidance must be sought from a Bat Conservation Trust approved ecologist or from the BCT.

## INSTALLATIONS



## EXHAUSTING AIR TO ATMOSPHERE



### PERFORMANCE:

Nett free ventilation area:	10,000mm <sup>2</sup>
Minimum pitch:	22.5°
Spacing centres to achieve ventilation area of:	
5,000mm <sup>2</sup> /metre	2.0m
10,000mm <sup>2</sup> /metre	1.0m
Airflow resistance with pipe adaptor at:	
18 litres/second	12.0 Pascals
30 litres/second	30.0 Pascals
47 litres/second	72.0 Pascals

# Natural Slate Ventilators

### BENEFITS

- Suitable for mechanical, soil pipe and natural ventilation
- Sidelap feature to accommodate angle of creep requirements
- Driving rain resistant - tested at the Building Research Establishment
- 4mm large insect grille
- Injection moulded lower tray and grille

### REFERENCES

Building Regulation Approved Document F2: 1995 edition 'Condensation in Roofs'  
 Building Regulation Approved Document H1: 1992 edition 'Sanitary Pipework and Drainage'  
 BS 5250: 2002 'Code of Practice for Control of Condensation in Buildings'  
 BS 5534: 2003 'Code of Practice for Slating and Tiling',  
 British Standards (Scotland) Regulations 1990-1994, Technical Standards for Compliance G4.1  
 'Interstitial Condensation' British Regulations (Northern Ireland) 1994, C8

### SPECIFICATION CLAUSES:

Roofspace Ventilation  
 Provide low/high level roofspace ventilation by means of a Welsh//Slate Ventilator. Install at 2m or 1m centres to provide ventilation equivalent to 5,000/10,000mm<sup>2</sup>/metre in accordance with Building Regulations Approved Document F2: 1995 and BS 5250: 2002. Fix in accordance with manufacturers instructions.

### SOIL VENT PIPE AND MECHANICAL EXTRACTION TERMINALS

Soil vent pipe stacks/mechanical extraction ducting to be terminated at the roofslope using a Welsh//Slate Ventilator. Attach Welsh//Slate Vent Pipe Adaptor and Flexible Pipe, ensure all joints and connections are airtight in accordance with Building Regulations Approved Document H1: 1990. Fix in accordance with manufacturers instructions. All pipes and ducts in cold roofspaces are to be insulated.