

## Tile Roof Ventilators

### Hambleside Danelaw recommendations

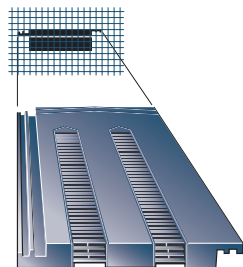
Hambleside Danelaw Limited recommends, in accordance with recognised good tiling practice, that all interlocking tiles should be laid as close to the mid shunt position as possible. Tiles laid too closely together cannot always accommodate the expansion and contraction of the tiles and the roof structure below: this could result in the possibility of the tiles lifting and the interlocks cracking. Likewise, the tile vents may also lift or distort under the compression forces created.

Should difficulty occur in providing conventional cross flow ventilation at eaves level, when maintaining insulation thickness to avoid cold bridging for example, Hambleside Danelaw Limited recommends the use of slate or tile vents positioned as close to eaves level as possible whilst ensuring that they are located above the level of the internal insulation layers.

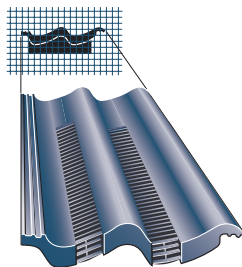
Some BBA Certificates covering the use of Vapour Permeable Underlays in non-ventilated roof constructions require the batten space to be ventilated. The Building Research Establishment advises (GBG 51) that air leakage between slates or tiles cannot be relied upon and that ventilation openings should be provided; the equivalent of a 25 mm continuous opening at eaves and 5 mm at the ridge. Where it is impractical to install eaves ventilators, in-slope ventilators should be used. BS 5250: 2002 requires batten space ventilation in this application.

Specific advice should be sought from Hambleside Danelaw on the use of its ventilation products for this application.

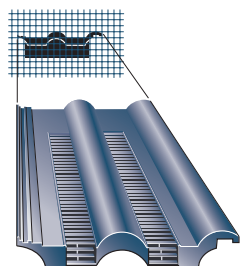
All Hambleside Danelaw roof ventilation products are suitable for use when the vapour tightness of the ceiling, or the sealing of all joints in and penetrations through VPUs in non-ventilated roof constructions, cannot be achieved or maintained for the life of the roof.



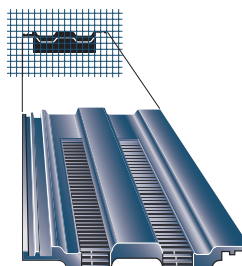
HDTV 15/1



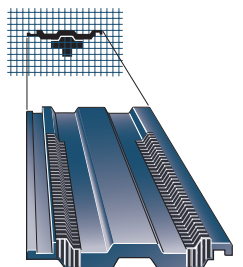
HDTV 15/2



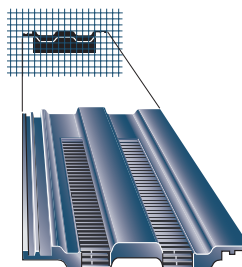
HDTV 15/3



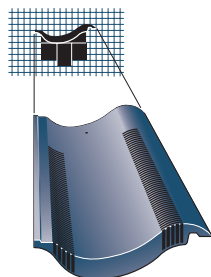
HDTV 15/4



HDTV 10/6



HDTV 15/7



HDTV 10/8

### TILE TYPE TO VENTILATOR COMPATIBILITY

#### HDTV 15/1 TILE VENT

Marley Modern Type  
Redland Mini Stonewold Type  
Russells Grampian Type  
Sandtoft Calderdale Type  
Quinn Western Slate MK 2 Type  
Lagan Flat Type

#### HDTV 15/3 TILE VENT

Marley Double Roman Type  
Redland Double Roman Type  
Russells Double Roman Type  
Sandtoft Double Roman Type  
Lagan Double Roll Type

#### HDTV 10/6 TILE VENT

Marley Ludlow Plus Type  
Redland 49 Type  
Sandtoft Standard Pattern Type

#### HDTV 10/8 TILE VENT

Marley Anglia Plus Type  
Redland Norfolk Pantile Type  
Sandtoft Shire Pantile Type

#### HDTV 15/2 TILE VENT

Marley Mendip Type  
Redland Grovebury Type  
Quinn Locherne Type

#### HDTV 15/4 TILE VENT

Marley Ludlow Major Type  
Russells Cheviot Type

#### HDTV 15/7 TILE VENT

Redland Renown Type

### ALL HDTV's AND ILSRV's

Hambleside Danelaw Limited surface ventilators require the underlay to be cut diagonally to form an envelope ensuring a close snug fit to the vent spigot or aperture. The cuts forming the envelope should be folded up and back to deflect moisture and debris away from the cut hole in the underlay. This careful preparation will assist in preventing water penetration should other problems exist above the line of the vent, i.e. excessive condensation, cracked / broken or missing slates or tiles, etc.

### HDTV 15 SERIES & 10 SERIES TILE ROOF VENTILATORS

**USE:** Designed for use with the most popular tile profiles, they provide attractive but discrete ventilation entry through the roof surface. With the use of additional adapters they can be fully utilised for both mechanical extraction and soil ventilation.

**MATERIAL:** Manufactured from high density polypropylene for durability and thermal stability, they have a non-reflective surface and are UV stabilised to prevent embrittlement through age.

**COLOURS:** The standard through-colour range consists of Terracotta, Brown, Grey and Antique Red although other specific colours are available to order.

#### VENT AREA:

Each tile has an actual ventilation area of:  
HDTV 15/1 – 15,000mm<sup>2</sup>  
HDTV 15/2 – 15,000mm<sup>2</sup>  
HDTV 15/3 – 15,000mm<sup>2</sup>  
HDTV 15/4 – 15,000mm<sup>2</sup>  
HDTV 15/7 – 15,000mm<sup>2</sup>  
HDTV 10/6 – 10,000mm<sup>2</sup>  
HDTV 10/8 – 10,000mm<sup>2</sup>  
HDTV 10/5 – 2,000mm<sup>2</sup>

#### SOIL PIPE ADAPTER KITS

**USE:** Connecting 110mm diameter pipes for soil ventilation and mechanical extraction.

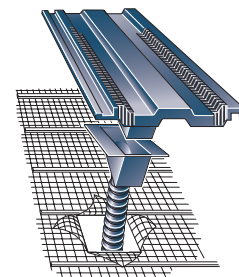
**AVAILABLE AS:** Complete adapter kits Code: TVSPA for HDTV 15 range and RSPA for the HDTV 10 range.

**Adapters only available.**

**VENT AREA:** 8,000mm<sup>2</sup> per unit.

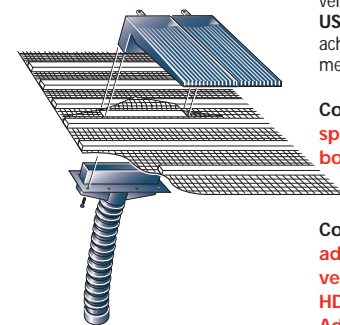
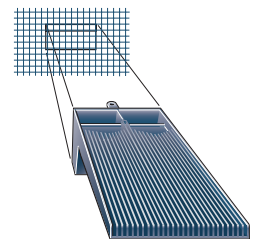


**Code: TVSPA. Tile vent adapter kit for use with HDTV 15/1, 15/2, 15/3, 15/4 and 15/7 ventilators.**



**Code: RSPA. Tile vent adapter kit for use with HDTV 10/6 and 10/8 range of ventilators.**

### HDTV 10/5 PLAIN TILE ROOF VENTILATOR



**MATERIAL:** Manufactured from high density polypropylene for durability and thermal stability. The vent has a non-reflective surface and is UV stabilised to prevent colour loss and embrittlement through age.

**COLOURS:** Standard colour range of Terracotta, Brown, Antique Red, and Grey. Special colours to order.

**VENT AREA:** 2,000mm<sup>2</sup> actual ventilation area per tile ventilator.

**USE:** Fitted in groups of 5 to achieve regulation 10,000mm<sup>2</sup> per metre.

**Code: ES10/5 Extension spigots available for fully boarded roofs.**

**Code: PCSPA Tile vent adapter kit for soil ventilation use only with HDTV 10/5 ventilator in pairs. Adapters only available.**