

# Tudor Roof Tile Co. Limited

Located on the Romney Marsh in Kent

## Roof Ventilation

Tudor's **In-Tile** and **Under-Tile** roof vents provides high levels of ventilation into the roof space.

Modern buildings offer better energy efficiency; however, this makes it more difficult for moisture to escape. This problem can be overcome if the roof is designed and constructed in accordance with BS 5250 "Code of practice for control of condensation in buildings" and using ISO 13788 to calculate condensation risk. BS 5534 "Code of Practice for Slating and Tiling" recommends that roof ventilation be provided in accordance with BS 5250.

Tudor's In-Tile and Under-Tile vent terminals provide for natural as well as mechanical ventilation. These uses include loft space ventilation, soil pipe ventilation and extractor fan terminals, and give easy air flow open points on the roof surface.

Tudor's **vented ridge tiles** are used to provide natural ventilation to the roof ridge line. These cannot be used with soil pipes or mechanical fans.

Both the Under-Tile and the In-Tile vent systems comprise three parts. The vent, flexi-pipe and vent to pipe adapter. Each part can be bought separately.

### Under-Tile (invisible vent terminal)



Tudor have patented a unique UNDER-TILE venting system, designed to complement the company's range of handmade clay tiles and fittings. The system was developed with the co-operation of County Planning Building Control.

A unique feature of Tudor roof tiles is the large degree of cross camber. The venting system takes advantage of this feature, with an average gap between the top tile and the pair beneath of approximately 6mm tapering to nothing, giving a venting space of 480mm<sup>2</sup> per tile. For 12 tiles this provides a total of approximately 9,000mm<sup>2</sup>.

The invisible Under-Tile Vent skirt measures 1860mm x 455mm x 1.5mm, with a vent mouth sized at 265mm x 42mm.

### In-Tile (semi-visible / hidden terminal)

The Tudor IN-TILE Vent is a low profile PVC-U design, manufactured exclusively for Tudor Roof Tiles by industry renowned Hambleside Danelaw Ltd. of Northampton.

Each unit provides a free vent area of 6,100 mm<sup>2</sup>, and is suitable for soil and mechanical venting pipe systems. It can be used with any brand of plain or peg tiles, and can be installed retrospectively.

Each unit is able to be covered with tiles on site during the roofing work so as to use tiles taken from the batch supplied. This ensures minimal visibility.

The semi-visible In-Tile Vent measures 310mm x 330mm



*More details, including fixing guides can be found on Tudor's website under the Products/Ventilation menu tabs.*