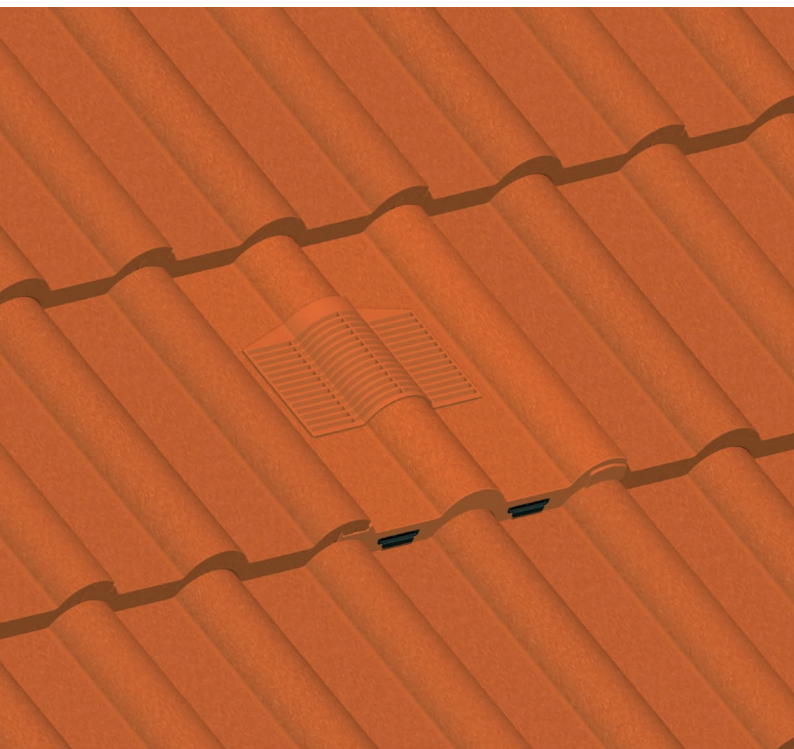




tile and slate ventilation



through roof ventilation

roofspace and mechanical ventilation systems from Manthorpe



One of the major problems experienced by today's energy conscious society is the build up and subsequent effects of significant levels of condensation in the roof space.

The Manthorpe range of in-line tile ventilators are designed to provide roof space ventilation, or an outlet for ventilation ducting through large format concrete roof tile coverings. The range of four profiles are universal in design and are compatible with all major UK and Irish tile makes.

The tortured path and in line design gives a discreet, weather proof 10k mm² airflow path through the roof covering with the recommended 4mm spaced grill openings to prevent the entry of debris and large nesting insects.

Available in a range of four colours to suit most tile types, the vents are quick and easy to install, taking the place of a single tile with no need to cut the battens.

If the product is to be used with mechanical extraction or soil stack / vent pipe termination, then the GTV-AD Flexi Pipe Adaptor and one of the GRPA Flexible Pipe range should be used.

Tile Profiles available in the range include:

- A** Double Roman
- B** Non-Profile
- C** Castellated
- D** Double Pantile

Product features include:

- In-line and discreet low profile design
- Integral sidelock clip to ensure a secure fit
- Range of profiles and textured colours available
- Profiles suit all top tile manufacturers
- Fully independently wind tunnel tested
- Base outlet feeds directly into the roof space
- Adaptor available for mechanical extraction
- Suitable for use down to a 20° roof pitch
- 4mm louvred flyscreen grille

Available colours include:



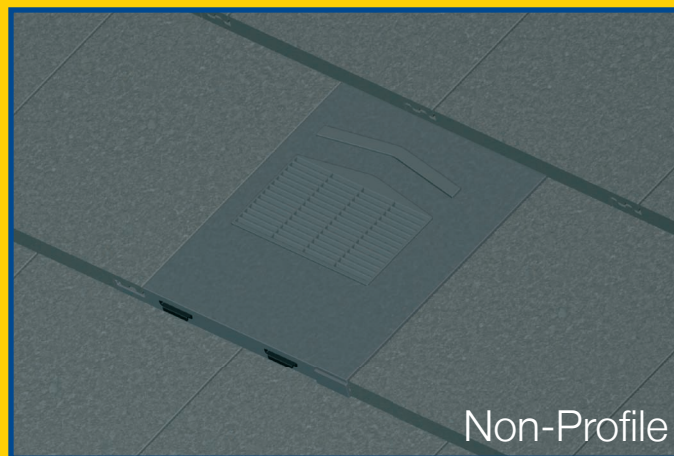
tile vent profiles



Double Roman

For use with:

Marley, Redland, Sandtoft and Russell Double Roman, and Lagan Double Roll Tiles



Non-Profile

For use with:

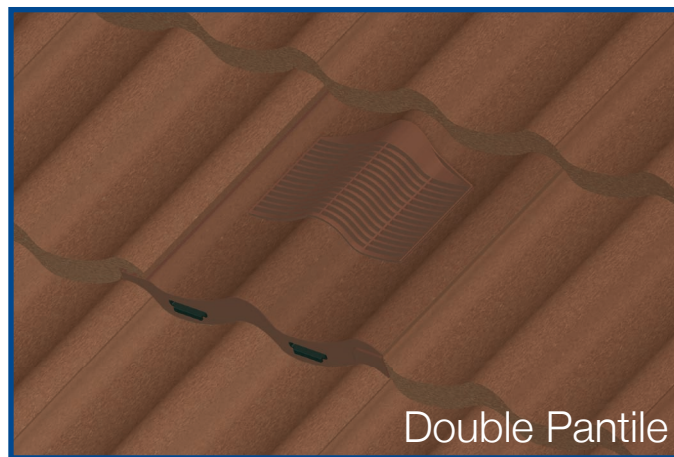
Marley Modern, Redland Mini Stonewold, Sandtoft Calderdale, Russell Grampian and Lagan Flat Tiles



Castellated

For use with:

Marley Ludlow Major, Redland Renown, Sandtoft Lindum, Russell Cheviot and Lagan Square Top Tiles



Double Pantile

For use with:

Marley Mendip, Redland Grovebury, Sandtoft Double Pantile and Russell Pennine

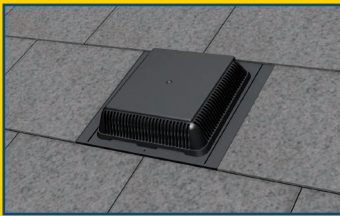
Product Reference	Free Airflow	Size	Cover Material	Base Material	Insect Grille	Colours	Box Qty
GTV-DR Double Roman Vent	10k mm ²	418mm x 328mm	uPVC	Polypropylene	✓	Slate Grey, Terracotta, Antique Red & Dark Brown	4
GTV-NP Non-Profile Vent	10k mm ²	418mm x 334mm	uPVC	Polypropylene	✓	Slate Grey, Terracotta, Antique Red & Dark Brown	4
GTV-CS Castellated Vent	10k mm ²	418mm x 332mm	uPVC	Polypropylene	✓	Slate Grey, Terracotta, Antique Red & Dark Brown	4
GTV-DP Double Pantile Vent	10k mm ²	418mm x 332mm	uPVC	Polypropylene	✓	Slate Grey, Terracotta, Antique Red & Dark Brown	4

N.B. Colour suffixes are; GR - Slate Grey, TR - Terracotta, AR - Antique Red and BR - Dark Brown.

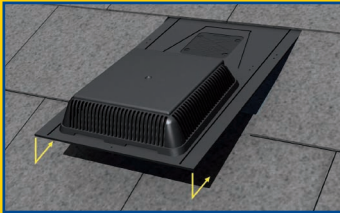
Example; a Terracotta Double Roman vent code would be GTV-DR-TR.

slate vents

GRSV30-25/45 Slate Vents



GRSV30-25R/45R Refurb Fast-Fit Slate Vents



The tile ventilators are the latest addition to Manthorpe's well established roof ventilation range and compliment their successful line of slate ventilators.

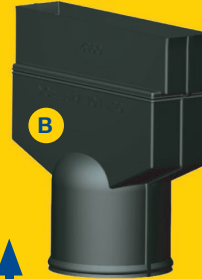
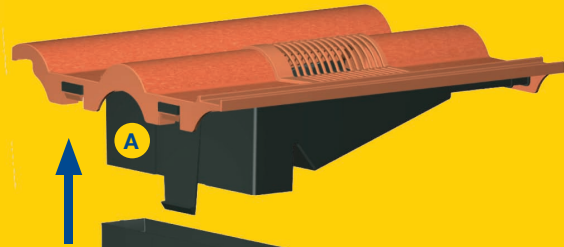
The **GRSV30-25** is designed to fit standard size 600mm x 300mm slates, but can be cut down to 500mm x 250mm. The **GRSV45** works with random slates with a base size of 600mm x 450mm.

All sizes of slate vent allow 10,000mm² air flow per unit, providing an unobtrusive, economical, high or low level roof ventilator. Manufactured from UV stabilised durable polypropylene, the vents have an integral insect grille and oval connection spigot for mechanical extraction. Manthorpe's slate vent has proved outstanding in independent wind tunnel performance tests.

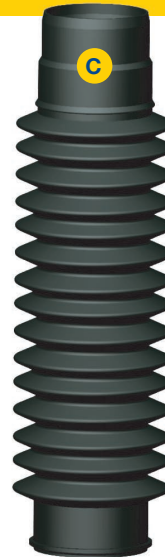
The fast fit refurb vents **GRSV30-25R/45R**, without the vent spigot on the base, make retro-fitting into existing surrounding slates easier. It is simply slid between natural or man made slates already in position with no need to cut battens.

Product Code	Free Airflow	Size	Material	Colour	Box Qty
GRSV30-25	10k mm ²	600mm x 300mm	Polypropylene	Black	10
GRSV45	10k mm ²	600mm x 450mm	Polypropylene	Black	5
GRSV30-25R	10k mm ²	600mm x 300mm	Polypropylene	Black	20
GRSV45R	10k mm ²	600mm x 450mm	Polypropylene	Black	10

mechanical extraction



- A** Tile Vent outlet spigot
- B** GTV-AD Flexi Pipe Adaptor
- C** GRPA and GRPA2 Flexible Pipes



GTV-AD Flexi Pipe Adaptor

The **GTV-AD** converts the rectangular outlet spigot on the back of the tile vents to a 4" diameter pipe opening.

GRPA / GRPA2 Flexible Pipes

The **GRPA** flexible pipe provides a quick and easy connection between the slate vent and 4" soil pipes or ventilation ducting systems. Removal of the oval adaptor for the slate vent allows the **GRPA** to connect to the tile vent range and other 4" terminals.

The extra length **GRPA2** makes connections across a longer distance even easier, while the **GRPA3** allows a simple 4" to 3" pipe reduction.

Product Code	Free Airflow	Size	Material	Colour	Box Qty
GTV-AD	8.8k mm ²	236mm x 243mm	HIPS	Black	10
GRPA	8k mm ²	455mm long	Polyethylene	Black	10
GRPA2	8k mm ²	800mm long	Polyethylene	Black	5
GRPA3	5.2k mm ²	4" to 3" Adaptor	ABS	Black	10

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References:

BRE	prEn 15601
BSI	BS 5250:2002
BSI	BS 5534:2003
BSI	BS 491:2004
DOE	Building Regs. F2
NHBC	Good Practice Guide
NHBC	Standards 7.2

Manthorpe Quality

Manthorpe manufactures a range of ventilation and building products at its headquarters in Derbyshire, under a ISO9001 Quality Assurance Scheme.

All products are designed to comply with the relevant current Building Standards when fitted in accordance with the manufacturer's instructions.

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

