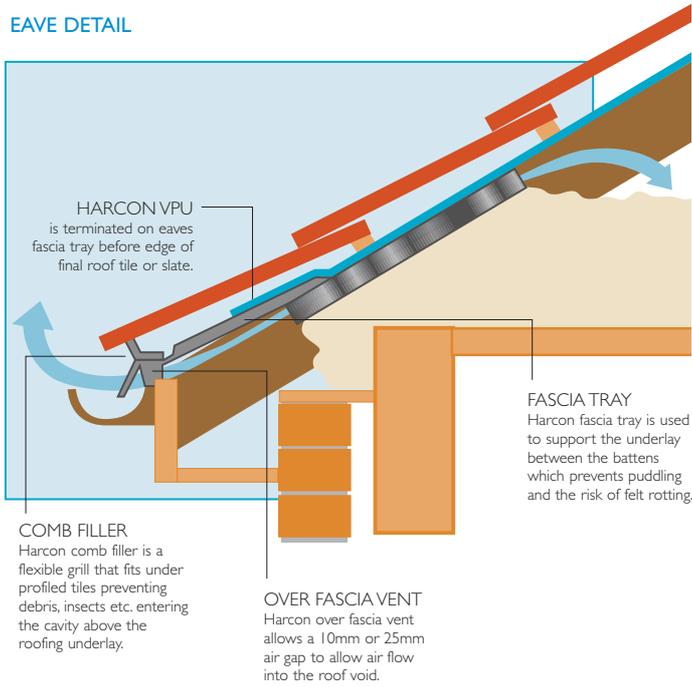
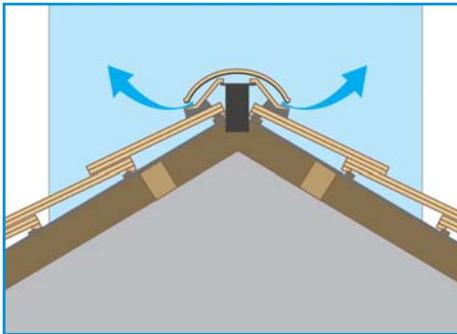


TRADITIONAL COLD ROOF

EAVE DETAIL

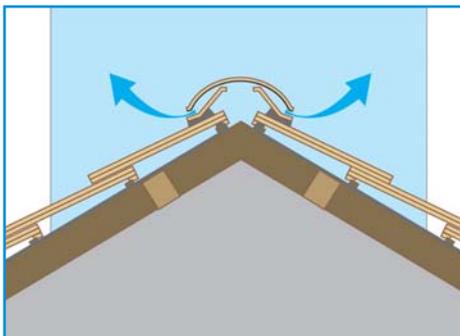


Harcon Ridgeline Vent TV31N with extension sleeve



Harcon VPU to overlap on adjacent slope by a minimum of 150mm. If using a ridgeline vent, as illustrated, cut a neat hole in the VPU to accommodate the extension sleeve.

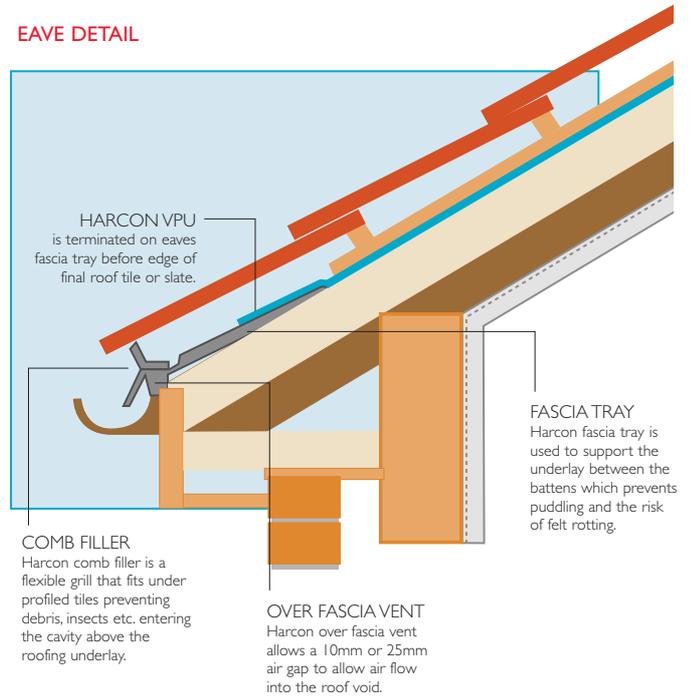
Harcon Ridgeline Vent TV3N



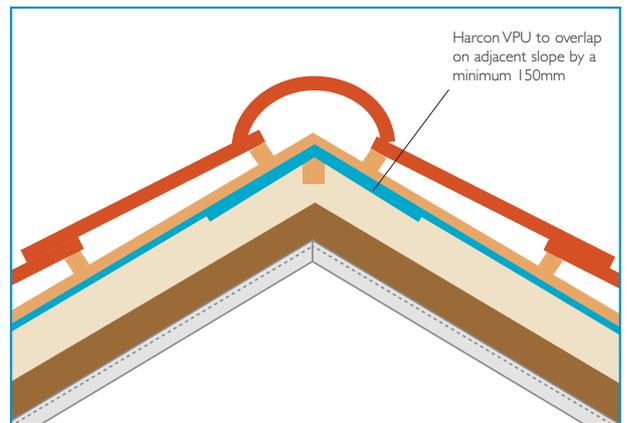
To allow air to enter the roof void terminate the Harcon VPU at the final tile batten on each slope, which should be holding the VPU securely in position.

WARM ROOF

EAVE DETAIL



RIDGE DETAIL



Harcon Ventilation and Drainage Range



SLATE & TILE VENTS

RV10K	Roofline tile vent
RV8K	Roofline plain tile vent
RV10K	Roofline slate vent
CV10/20K	Low profile cowl tile vent
CV10/20K	Low profile slate tile vent
HVI	Economy slate vent
FWI	Felt weir
TVN3	Ridgeline vents

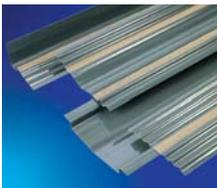
All slate and tile vents are available with pipe terminal/adaptor options.
They can all be matched to any tile sample, new or weathered.



EAVES VENTILATION

CFI	Eaves comb filler
FT60	600mm long eaves fascia tray
FT150	1500mm long eaves fascia tray
FV25	Over fascia vent providing equivalent of 25mm of continuous ventilation
FV10	Over fascia vent providing equivalent of 10mm of continuous ventilation
OV10	Low profile over fascia vent
RT66	400mm deep continuous rafter tray
RT132	800mm deep continuous rafter tray
RT	Standard rafter tray
RF	Flyscreen rafter tray
RR	Refurbishment rafter tray
SD 20	Soffit disk vent
SV10	Continuous soffit vent providing 10mm of continuous ventilation
SV25	Continuous soffit vent providing 25mm of continuous ventilation
SA10	Angled soffit vent providing 10mm of continuous ventilation

Eaves ventilation kits provide a complete system to ventilate 6m of eaves at any common rafter spacing.



ROOF DRAINAGE

D-Valleys	Universal Harcon valley troughs for use with interlocking tiles
A-Valleys	Universal Harcon valley troughs for use with interlocking tiles
B-Valleys	Universal Harcon valley troughs for use with slates and dry bedded lap tiles
HC18/24/30	Joining gutter
AS30	Abutment soaker

*To satisfy building regulations
any vapour permeable
underlay must be used as
part of the complete roof
ventilation system.*



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NEW

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VPU

VAPOUR PERMEABLE ROOFING UNDERLAY





A new premium quality underlay with superb vapour permeability and very high water resistance.

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VPU

VAPOUR PERMEABLE ROOFING UNDERLAY



- Water Vapour Resistance 0.20 MNs/g
- Superb water resistance
- BBA certified – 04/4145
- Excellent nail and tear strength 105N when tested to MOAT 27:5:4:1
- Complies with BS5534
- No nuisance noise
- Good UV stability
- Easily identifiable bright blue colour
- Lap lines printed for easy installation





MATERIAL

Harcon VPU has a 3 layer composite structure with the highly vapour permeable film bonded between two layers of nonwoven polypropylene. The top polypropylene layer provides high levels of water resistance while the bottom layer provides the strength for this flexible breather membrane which can be used in both unsupported and fully supported applications.

PRODUCT DETAILS

Thickness	0.5mm
Weight	0.125kg/m ²
Width	1000 and 1500mm
Length	50m
Roll Weight	6.25kg and 9.38kg
Colour	Bright Blue

TECHNICAL DETAILS

PROPERTY	TEST	PERFORMANCE
Water Vapour Resistance		0.20 MNs/g
Water Vapour Permeability	EN 1931 (25°/75%RH)	1020 g/m ² /day
Slip Resistance - Dry - Wet	BBAT1/10	0.97 0.65
Resistance to Water Penetration	BS 4016	pass
Tensile Strength - Length - Width	BS EN ISO 527-1 and 527-3 (speed 100mm/min) BS EN ISO 527-1 and 527-3 (speed 100mm/min)	7.9 N/mm ² 4.8 N/mm ²
Elongation at Break - Length - Width	BS EN ISO 527-1 and 527-3 (speed 100mm/min)	38% 43%
Tear Resistance - Length - Width		106 N 94N

PURPOSE

A vapour permeable membrane has 4 functions to perform.

1. Condensation Control

It allows warm moist air generated in the building to pass freely through it, helping to prevent condensation in the roof. As it is waterproof the water drops created by the condensation which forms on the primary roof covering will simply roll down the Harcon VPU into the gutter.

2. Secondary Roof Covering

Stops any rain or snow which penetrates the roof tiles or slates getting into the building below.

3. Temporary waterproofing

During construction and if the primary roof covering is damaged Harcon VPU will protect the structure below.

4. Wind

Harcon VPU will prevent wind and any particles it may be carrying entering the roof void.

INSTALLATION

Harcon VPU has been designed for simple installation with lap lines for the most common form of installation - partially supported on pitch roofs between 15° and 34°.

Fully Supported System

Lay Harcon VPU over the support with the bright blue side uppermost and secure it to the support or rafters using counter battens a minimum of 12mm thick with corrosion resistant staples or clout nails. The tile battens are fixed to the counter battens leaving a ventilation gap between the Harcon VPU and the tiles.

Unsupported System

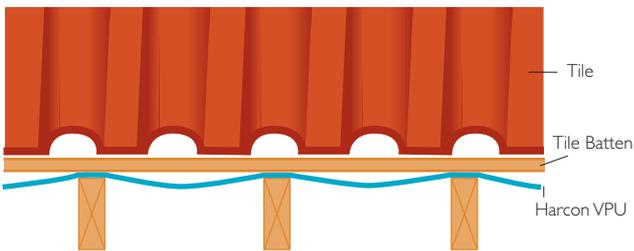
Lay Harcon VPU horizontally starting at the eaves as felt is traditionally laid.

In both supported and unsupported systems overlaps should be installed to shed water down the slope.

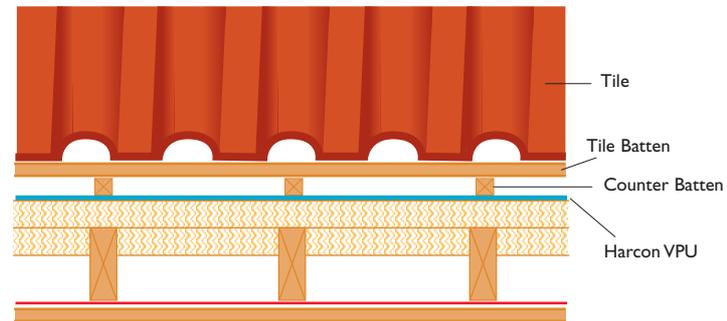
MINIMUM OVERLAPS

Roof Pitch	Horizontal lap - Partially Supported	Horizontal Lap - Fully Supported
12.5° - 14°	225mm	150mm
15° - 34°	150mm	100mm
35°+	100mm	75mm

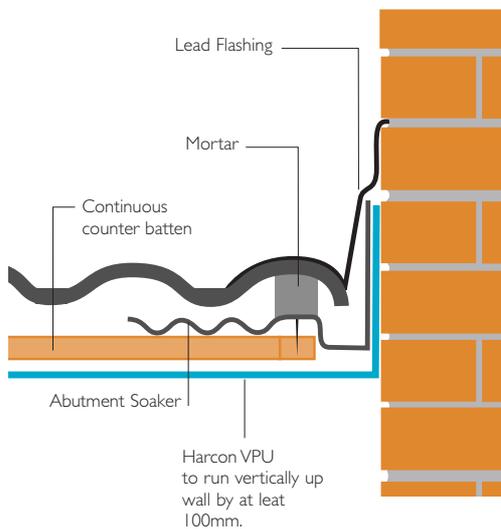
TRADITIONAL COLD ROOF



WARM ROOF



ABUTTMENT DETAIL



FLAT ROOF DETAIL

