

# VENT 3 PremiAir – AIR OPEN VAPOUR PERMEABLE MEMBRANE

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**Description:** Vent3 PremiAir is a triple layer fabric, high performance breather membrane, made from high tensile spun bonded polypropylene layers, around a polypropylene functional layer. Designed for use in a fully supported or unsupported tiled, slated or metal roof system. Superior air & moisture vapour permeability is achieved whilst maintaining the highest levels of water resistance. Vent3 PremiAir has a printed blue upper surface and white under-face.

The high air & vapour permeability and waterproof nature of the membrane, combined with excellent tensile/tear strength, make Vent3 PremiAir an ideal product for use in both warm and cold roof applications. Vent3 PremiAir is equally suitable whether draped unsupported over rafters or laid directly over insulation. It will allow the escape of water vapour from within the roof structure whilst protecting against wind driven rain, snow and dust which may penetrate the main roof waterproofing, providing a permanent quality breather underlay, which will last the life of the roof construction.

- Benefits:**
- Three Layer Membrane
  - Clean and easy to use
  - Lightweight and Flexible
  - Excellent tensile and tear strength
  - Waterproof Membrane
  - Long Term Durability
  - UV Stable (3 months exposure)
  - Warm and Cold Roof Application
  - No additional ventilation required

**Product Details:**

Roll Weight kg	2.5, 4.5, 8.5, 12.5
Weight g/m <sup>2</sup>	160 (+/-10%)
Roll Length m	15, 25, 50
Roll Width m	1 & 1.5
Roll Area m <sup>2</sup>	15, 25, 50, 75
Colour	Blue Upper/White Lower

**Performance Details:**

Tensile Strength (EN13859-1)	MD	300N/50mm
	CD	230N/50mm
Elongation (EN13859-1)	MD	60%
	CD	75%
Nail Tear (EN12310-1)	MD	265N
	CD	250N
Hydrostatic Head (BS EN 20811)		>100cm
Resistance to penetration of air (EN12114 EN13859-1;2)		65 m <sup>3</sup> /m <sup>2</sup> /h/50Pa
Water (Moisture) Vapour Resistance (BS EN 3177)		0.03 MNs/g
Reaction to Fire (EN 13501-1)		Class E
Resistance to streaming water (MOAT69:4.2.2)		Pass
Resistance to water penetration (EN 13859-1)		Class W1
UV Resistance		3 months

**Application:** Vent3 PremiAir must be installed in accordance with the relevant sections of BS 5534:2014 and Cromar's fixing instructions.

Vent3 PremiAir is designed as a secondary barrier to wind driven rain and snow, it should not be considered a primary waterproofing layer. Whilst the product is UV stable for up to 3 months exposure, good roofing practice dictates that the primary waterproofing finish (e.g. tiles, slates etc.) be applied as soon as practically possible.

Under slating membranes should not be considered as temporary weatherproof protection for occupied buildings or where internal fitting out is taking place. Additional protection should be afforded in these circumstances.

Vent3 PremiAir should be unrolled across the roof, starting at the eaves and working up the roof, it is usually laid Green (printed) side up. With normal slates and tiles the Vent3 PremiAir membrane can be installed with a nominal 10mm drape into the void between the rafters, it can then be secured with the tiling battens. This will leave sufficient space between the Vent3 PremiAir and the tiles/slating membranes for drainage and ventilation. Vent3 PremiAir when installed as a fully supported system, is laid over the support and secured with counter battens, alternatively the membrane can be installed over counter battens and fixed at 200mm centres using corrosion resistant straps or galvanised clout nails. Tiling battens are fixed to the counter battens leaving a minimum airspace of 25mm between the roof sheet underlay and the tiles for drainage and ventilation.

In unventilated roof systems vapour control measures are required below the insulation layer to restrict the flow of moist air from within the inhabited building into the roof space. Additionally, the building below should be ventilated in accordance with the Building Regulations with water tanks sealed.

Abutment flashing should be wedged into a mortar joint 25mm deep and at least 150mm above the level of the slates or tiles. Vent3 PremiAir underlay should be turned up behind the flashing at least 100mm to prevent rain and snow being blown into the roof-space. Lap joints in the membrane should be generally in accordance with the table set out below. 600mm reinforcing strips should be fixed at hips, ridges and valleys.

At the eaves Cromar felt support tray should be installed to prevent ponding behind the fascia. The Vent3 PremiAir should be laid over the support tray stopping short of the roof tile tails to prevent UV degradation of the underlay.

**Notes**

1. As with all breather membranes of this type, contact with solvents or wet timber preservatives can cause localised water penetration to occur, prior to the main weatherproofing being installed.
2. In accordance with BS 5534: 2014 where a roof underlay or breather membrane is to be laid over open rafters, a nominal drape of 10mm between the rafters is required to guide any rainwater penetrating the main roof finish away from the rafters to the drainage point. (The membrane must not be pulled tight against the underside of the tiling battens.)
3. Vent3 PremiAir should never be considered as being a total protection against wind-blown rain and high winds.

**Lap Size Table:**

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

**Health & Safety:** Please refer to health and safety data sheet on Vent3 PremiAir.

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**Further Information:** In the event of further queries or problems concerning the use of this product, please contact the address below:-

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