

VENT 3 CLASSIC XTRA TAPED – BREATHABLE MEMBRANE

Issue 7 – January 2020

Description:

Vent3 Classic is a triple layer fabric, high performance breather membrane, made from high tensile spun bonded polypropylene layers, around a micro-porous polypropylene film. The membrane has an integral acrylic tape applied during manufacture. Designed for use in a fully supported or unsupported tiled, slated or metal roof system.

The high vapour permeability and waterproof nature of the membrane, combined with excellent tensile/tear strength and high wind uplift resistance make Vent3 Classic the professional's choice as the ultimate breather membrane. It is equally suitable whether draped unsupported over rafters or laid directly over insulation.

The outer layer forms the functional waterproof surface, the middle layer is the breathable waterproof membrane, and the inner layer protects the membrane from abrasion and damage, also giving additional strength. This enables the fabric to allow moisture vapour to pass through, whilst remaining fully waterproof. The upper surface is Grey, printed with the trade name and head lap lines. Available in 1.0m width as standard to conform easily to any typical roof configuration or the individual working practices of the installer.

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
- Integral tape

Product Details:

Roll Weight kg	6.0
Weight g/m ²	115
Roll Length m	50
Roll Width m	1
Roll Area m ²	50,
Colour	Light Grey Upper/White Lower

Performance Details:

Tensile Strength MD (EN12311-1)	TD	195N/50mm
		130N/50mm
Elongation MD (EN12311-1)	TD	51%
		65%
Nail Tear MD (EN12310-1)	TD	99N
		110N
Hydrostatic Head (BS EN 20811)		281cm
Water (Moisture) Vapour Transmission (BS 3177)		1258g/m ² /24h
Reaction to Fire (EN 13501-1)		Class E
Resistance to water penetration (EN 13859-1)		Class W1
Water Vapour Resistance (BS 3177)		0.16 MNs/g
UV Resistance		3 months

Application:

Vent3 Classic must be installed in accordance with the relevant sections of BS 8000:2013, BS 5534:2014 and Cromar's fixing instructions.

Vent3 Classic 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 4 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.

Starting at the eaves Vent3 Classic+ should be unrolled across the roof & secured with 20mm clout head alloy nails. Working up the roof subsequent rows are laid over the previous row to ensure moisture is shed down to the eaves. The membrane is laid with the recommended horizontal laps (lap table) and laid Grey (printed) side up.

When installing with Integral tape membrane is laid as above, the horizontal laps are aligned. The release liner is removed from the overlaps & the two laps are firmly pressed together.

When installing with double sided tape the membrane is laid as above. With the membrane in position apply the tape approximately 50mm from the top edge of the membrane. Finish the full length of the roof. Once complete the release liner is removed from under the lower lap & the two laps are firmly pressed together.

In an unsupported application with natural slates, clay & concrete tiles the Vent3 Classic+ membrane must be installed with a sufficient drape to allow moisture transport under the tile battens & away from the rafter fixings into the void between the rafters, it can then be secured with the tiling battens. This will leave sufficient space between the Vent3 Classic+ and the tiles/slates for drainage and ventilation. Vent3 Classic+ 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 Classic 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 Classic 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 sufficient drape 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 Classic 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

Technical Data Sheet

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

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Cromar Building Products Limited products' are available for sale in accordance with Cromar Building Products Limited standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use, and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.

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