

# TECHNICAL DATASHEET

## Vent3 Light – Breathable Membrane

### Description

Vent3 Light is a triple layer fabric, high performance breather membrane, made from high tensile spun bonded polypropylene layers, around a micro-porous polypropylene film. 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 Light 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 Dark Grey, printed with the trade name and head lap lines. Available in 1.0m and 1.5m widths 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

### Product Details

|                                |                               |
|--------------------------------|-------------------------------|
| <b>Roll Weight (kg)</b>        | 2.4, 4.8, 7.2                 |
| <b>Weight g/m<sup>2</sup></b>  | 95                            |
| <b>Roll Length m</b>           | 25, 50                        |
| <b>Roll Width m</b>            | 1 & 1.5                       |
| <b>Roll Area m<sup>2</sup></b> | 25, 50, 75                    |
| <b>Colour</b>                  | Dark Grey Upper / White Lower |



## Performance Details

|   |                              |
|---|------------------------------|
| <b>Tensile Strength (EN12311-1)</b>                 | MD 176N/50mm<br>TD 109N/50mm |
| <b>Elongation (EN12311-1)</b>                       | MD 63%<br>TD 70%             |
| <b>Nail Tear (EN12310-1)</b>                        | MD 92N<br>TD 126N            |
| <b>Hydrostatic Head (BS EN 20811)</b>               | 310cm                        |
| <b>Reaction to Fire (EN 13501-1)</b>                | Class E                      |
| <b>Resistance to streaming water (MOAT69:4.2.2)</b> | Pass                         |
| <b>Resistance to water penetration (EN13859-1)</b>  | Class W1                     |
| <b>Water Vapour Resistance (Sd ) (m)</b>            | 0.02                         |
| <b>UV Resistance</b>                                | 3 months                     |

**When tested in line with BS5534 2014 Annex A , Vent3 light is suitable to be in the applications below and zones attached.**

|              | 345 mm batten gauge | 245mm batten gauge | 345mm gauge taped laps | 345mm gauge integral tapes |
|--------------|---------------------|--------------------|------------------------|----------------------------|
| Vent 3 light | Zones 1             | All zones          | All zones              | All Zones                  |

### Application

Vent3 Light must be installed in accordance with the relevant sections of BS 5534:2018 and Cromar's fixing instructions.

Vent3 Light 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.

vent 3 light 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 Light should be unrolled across the roof, starting at the eaves and working up the roof, it is to be laid Dark Grey (printed) side up. With normal slates and tiles the Vent3 Light membrane should be installed with a drape to a maximum 15mm in line with BS5534 2018 into the void between the rafters, it can then be secured with the tiling battens. This will leave sufficient space between the Vent 3 Light and the tiles/slates for drainage and ventilation. Vent3 Light 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 large head aluminium 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.

At abutment Vent3 Light 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 Light 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: 2018 where a roof underlay or breather membrane is to be laid over open rafters, a maximum drape of 15mm between the rafters is recommended 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 Light should never be considered as being a total protection against wind-blown rain and high winds.
4. When laid with an impermeable primary barrier ventilation would be required in line with BS5250.
5. In line with the NHBC directive 2012 high level ridge ventilation of a continuous 5mm should be provided when using a VPU.

#### Lap Size Table

| Roof Pitch | Minimum Horizontal Lap Partially Supported (mm) | Minimum Horizontal Lap Fully Supported (mm) | Minimum Horizontal Lap (mm) |
|------------|---|---|-----------------------------|
| 12.5° - 15 | 225   | 150   | 100                         |
| 15° +      | 150   | 100   | 100                         |

#### Limitations

- It is the user's responsibility to ensure suitability for use. Safety Data available on request.
- Read the label carefully for essential health and safety information prior to use.

#### Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail [info@cromar.uk.com](mailto:info@cromar.uk.com).

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