CE

CROMAR Building Products

50m

VENT3®

Premi air

AIR OPEN VAPOUR PERMEABLE BREATHABLE MEMBRANE

≤345mm Lap Fixing Batten	Zones	1-5
≤250mm Lap Fixing Batten	Zones	1-5
≤100mm Lap Fixing Batten	Zones	1-5

The Vent3® underlays are a triple layer PP breathable roof underlays which ensure full moisture vapour permeability, whilst maintaining the highest levels of water resistance. They are class leading high performance breather membranes made from high tensile spun-bonded polypropylene layers, around a microporous polypropylene film.

Vent3® underlays have a colour & printed upper surface and white under surface. The high vapour permeability and waterproof nature of the membranes, combined with excellent tensile/tear strength, makes the Vent3® underlays ideal products to use in both warm and coldroof applications. Vent3® 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 providing a secondary barrier protection against wind driven rain, snow and dust which may penetrate the main roof covering, which will last the life of the roof construction.

Vent3® Benefits

- **CE COMPLIANT TO EN13859-1**
- **COLD & WARM ROOF APPLICATION**
- **SUPPORTED & UNSUPPORTED ROOF APPLICATION**
- **SEALED & UNSEALED ROOF APPLICATION**
- **NON TENTING MEMBRANE**
- **3 LAYER SPUN-BONDED MEMBRANE**
- **CLEAN & EASY TO USE**
- **LIGHTWEIGHT & FLEXIBLE**
- **EXCELLENT TENSILE STRENGTH**
- **COLOURED SURFACE PROHIBITS GLARE**
- **UV STABLE FOR UP TO 3 MONTHS**
- **BS5534:2014 COMPLIANT FOR WIND UPLIFT**

Application:

The Vent3® underlay must be installed in accordance with the relevant sections of BS5534:2014, BS8000-6 :2013 and Cromar's fixing instructions.

The products are installed with the coloured or printed side uppermost and lapped to shed water out and down the slope. When installed as an unsupported system, Vent3® underlays can be installed with a minimum 10mm drape over rafters and securing with tiling battens, or installed taut over rafters and secured with 50X25mm counter battens and tiling battens.

Where possible horizontal overlaps should be extended to coincide with tiling battens, where this is not possible the lap should be secured with a restraining batten or Cromar's sealing tape.

Where tight fitting roof coverings are to be installed 50X25mm counter battens must be fixed. Please consult Cromar's technical department for further guidance.

The Vent3® underlay when installed as a fully supported system, is laid over the support and secured with a minimum 12mm thick counter batten, alternatively the membrane can be installed over 50X25mm counter battens and fixed at 200mm centres using galvanised clout nails. Tiling battens are fixed to the counter battens leaving a drainage and ventilation airspace between the Vent3® underlay and the tiles.

The Vent3® underlay must not to be dressed into an external gutter. Cromar recommends a felt support tray or eaves protection strip such as 5U felt be used.

At abutments the Vent3® 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 hip, ridges and valleys.

The Vent3® underlay has a UV resistance for up to 3 months.

Correctly installed it will provide temporary weather protection, prior to the application of the main roof finish.

Further fixing instructions for the Vent3® underlays are available from the Cromar website.

The British Board of Agrément has issued an Information Bulletin (No.2) relating to good site practice when using permeable roof tile underlays. This states that the product resists the penetration of liquid water and consequently may be used as a temporary waterproofing prior to the installation of the slates or tiles. The period of use should, however, be kept to a minimum.

An underlay is not a total waterproof barrier and if used as a temporary waterproof covering, some rain penetration may occur and in certain conditions, particularly if there is persistent heavy rainfall combined with subsequent severe freeze/thaw conditions, an underlay should not be exposed for more than a few days.

A full copy of this BBA Information Bulletin No.2 – Permeable Roof Tile Underlay Guide to Good Site Practice is available from the Cromar web site.

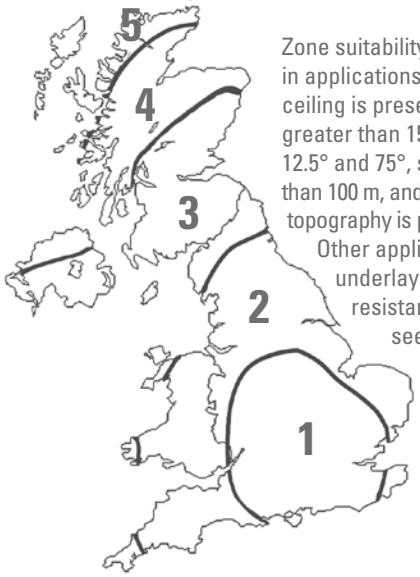
The risk of condensation is highest in new-build construction during the first heating period, where there is high moisture loading owing to wet trades, such as in-situ cast concrete slabs or plaster.

The risk of condensation diminishes as the building naturally dries out. Further information is given in BBA Information Bulletin No.1 – Roof Tile Underlays in Cold Roofs during the Drying-out Period is available from the Cromar web site.

All penetrations into and out of the roof space must be properly sealed in accordance with the Cromar's instructions which may include the use of Cromar's recommended sealing tape. In addition, such features as vent stacks, boiler flues passing through the roof space and loft hatches must be sealed or made convection tight by, for example, using a compressible draught seal.

BS5534:2014 Wind Uplift

Each individual Vent3® underlay product has the batten gauge & zonal application for wind uplift printed on this packaging. The manufacturers declared values are available from the Cromar website. The Vent3® underlays may be used at any batten gauge in all wind zones when laid over nominally air-tight sheet sarking for example OSB, plywood, chipboard and insulation for warm-roof design. They may also be used in applications where slates are nailed directly onto sarking boards. Sarking boards, such as square-edged butt jointed planks, are not considered to be air-tight and the underlay is treated as unsupported.



Zone suitability applies only for underlays in applications where a well-sealed ceiling is present, ridge height is not greater than 15 m, roof pitch is between 12.5° and 75°, site altitude is not greater than 100 m, and no significant site topography is present.

Other applications might require underlays with greater wind uplift resistance and it is advisable to seek professional advice.

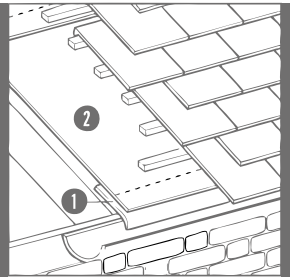
Zones 3 and 4 apply to Northern Ireland.

CE Declarations of Performance are available from the Cromar web site.

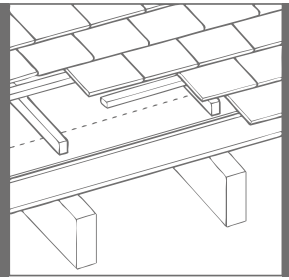
HEALTH & SAFETY

Please refer to product health and safety data sheet and HSG33 for installation.

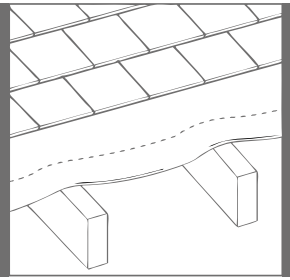
Roof Pitch	Minimum Horizontal Lap	Partially Supported (mm)	Minimum Horizontal Lap
	Fully Supported (mm)	Minimum Vertical Lap (mm)	(mm)
12.5° - 14°	225	150	100
15° - 34°	150	100	100
35° +	100	75	100



1. Use support tray or protection strip to extend into the gutter, then overlap with a first run of Vent3® colour side uppermost.
eaves, and work up the slope of the roof.



For unsupported applications drape the underlay by a minimum of 10mm between the rafters to allow the water to run off.



If Vent3® underlays are to be installed over a fully supported system you must install 12mm counter battens over the underlay, using corrosion resistant clout nails. Ensure there is an uninterrupted space between the underlay & roof tiles or slates to provide adequate drainage.

THE NATIONAL FEDERATION OF ROOFING CONTRACTORS LIMITED

TV3P/DOP/???

STANDARDS AND GUIDANCE

BS5534:2014 | BS8000-6:2013 | BS5250:2011 | EN13859-1
BBA Information Bulletin No.1 | BBA Information Bulletin No.2

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