

PRODUCT DATA SHEET

Issue No. 002
September 2025



A SIKA COMPANY

Vent3 Air® – Air Permeable Breather Membrane

Description

The Vent3 Air® membrane is an air and vapour permeable breather membrane, designed for effective moisture management in roofing applications. Constructed with advanced materials, Vent3 Air® provides air permeability, making it ideal for both warm and cold roof applications (reducing the need for mechanical ventilation. Its coloured printed upper surface with pre-printed alignment lines and white under-face ensure straightforward installation.

Product Use

The Vent3 Air® Breather Membrane is designed for use as a pitched roofing underlay in both warm and cold roof applications. It provides effective secondary weather protection beneath tiles and slates, while allowing moisture vapour to escape and reducing condensation risk. Suitable for fully supported and unsupported installations, the Vent3 Air® has air permeable features allow unrestricted air flow within the roof space reducing condensation risk further.

Material & Finish

Colour; Orange
Spunbonded polypropylene composite

Packaging

Packaged in pallet quantities of 30(1m x 50m rolls).

Storage & Handling

Do not drag rolls across rough surfaces, always lift. Rolls should be stored upright on a dry surface. During storage exposure to direct sunlight is to be avoided. Cromar is not responsible for any damage when the above instructions are not followed.

Product Compliance & Compatibility

The Vent3 Air® Breather Membrane meets the industry standards for roofing underlays. It is **BBA certified**, demonstrating its suitability for use in pitched roof constructions. The membrane carries both **CE** and **UKCA** markings, ensuring compliance with UK and European regulations for construction products. Additionally, it conforms to **NHBC guidelines**, making it suitable for use in NHBC-approved projects. The Vent3 Air® also meets the requirements of **BS 5250:2021**, the British Standard for the management of moisture in buildings, ensuring effective condensation control in roof systems.

Further Information

NOTE: Cromar Building Products is continually investigating methods of improving both quality and performance and therefore reserves the right to change specifications and product composition without prior notice.

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail whitley-sales@uk.sika.com.

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. 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, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Any warranty, where applicable, is therefore limited to the quality of supplied product.

CHARACTERISTIC	TEST METHOD	RESULT	UNIT	TOLERANCE
Roll Length	BS EN 1848-2	50	m %	Min -0.5% / Max +1.5%
Roll Width	BS EN 1848-2	1	m	Min -0.5% / Max +1.5%
Roll Weight	BS EN 1849-2	8.5	kg	
Mass per unit area	BS EN 1849-2	170	Gm/m ²	+/- 10%
Visible defects	BS EN 1850-2	PASS	-	-
Watertightness	BS EN 13859-1	0.03	Sd	-
Tensile Strength	BS EN 12311-1 BS EN 13859-1	330 (MD); 270 (TD)	n/50mm	-
Elongation at maximum load	BS EN 12311-1 BS EN 13859-1	55 (MD); 65 (TD)	%	-
Resistance to tearing	BS EN 12310-1	210 (MD); 210 (TD)	N	-
Reaction to fire	BS EN 13501-1	CLASS E	-	-
Cold bend flexibility	BS EN 1109	-40	°C	-

NPD = No Performance Declared. MD = Machine Direction. TD = Transverse Direction

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BS 5534:2014+A2:2018 Wind Uplift

Each individual Vent3® underlay product has the batten gauge & zonal application for wind uplift printed on this packaging. The declared values are available from the Cromar website and the BBA certificate. 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.

	345mm Battened Lap	250mm Battened Lap	345mm Taped Lap	250mm Taped Lap
Vent3 Air	1 - 4	1 - 5	1 - 5	1 - 5



Application

The Vent3 Air® underlay must be installed in accordance with the relevant sections of BS 5534:2014+A2:2018, BS8000-6 :2023 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 on an unsupported system, Vent3 Air® underlay can be installed with a nominal drape of 10mm 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 double sided sealing tape. Where tight fitting roof coverings are to be installed <38x38mm counter battens must be fixed. Please consult Cromar's technical department for further guidance. The Vent3 Air® 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 <38x38mm 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 Air® underlay and the tiles. The Vent3 Air® 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 Air® 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® underlays have a UV resistance for up to 3 months, but it is recommended by the BBA and NHBC to cover to felt as soon as possible. Correctly installed it will provide temporary weather protection, prior to the application of the main roof finish. 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 penetration of liquid water and consequently may be used as temporary waterproofing prior to the installation of slates or tiles. The period of such should, however, be kept to a **minimum**. It should be noted that the main function of a roof tile underlay is to provide a secondary barrier to the roof covering (tile or slate), and prevent the ingress of wind-driven rain, snow and dust into the roof space and reduce the wind uplift forces acting on the slates/tiles. In addition, the underlay can be used to provide temporary weather protection; however, an exposed underlay will be subjected to UV light which may lead to premature failure; therefore, the exposure period should 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. 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/drying-out 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. A full copy of this BBA Information Bulletin No.1 – Roof Tile Underlays in Cold Roofs during the Drying-out Period is available from the Cromar web site.

