

PRODUCT DATA SHEET

SikaRoof® Vent3® Air

An air and vapour permeable breather membrane.

PRODUCT DESCRIPTION

The SikaRoof® Vent3® Air membrane is an air and vapour permeable breather membrane, designed for effective moisture management in roofing applications. Constructed with advanced materials, SikaRoof® 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 underface ensure straightforward installation.

USES

- Warm and cold roof applications.
- Supported and unsupported roof applications.
- Ventilated and unventilated roof applications.

CHARACTERISTICS / ADVANTAGES

- Air and Vapour permeable.
- Hydrophobic properties.
- High nail tear and tensile strength.

PRODUCT INFORMATION

Packaging	Preprinted bagging.	
Colour	Printed Orange upper.	
Shelf Life	24 months - When stored upright in a dry, shaded environment and protected from direct sunlight and damage	
Storage Conditions	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.	
Dimensions	1 m x 50 m	
Felt weight	172 g (± 10 %)	
Tensile Strength	(330 \pm 30) N/50 mm	MD
	(270 \pm 30) N/50 mm	CD
Elongation	(56 \pm 30) %	MD
	(68 \pm 30) %	CD
Tear Strength	(210 \pm 15) N	MD
	(210 \pm 15) N	CD

Reaction to Fire	Class E
UV Exposure	No more than 3 months UV exposure advised.
Diffusion Resistance to Water Vapour	Sd = 0.01 m
Resistance to Water Penetration	W1
Permeability to air	(50 ±10) m/s

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- 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.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

The SikaRoof® Vent3® Air underlay must be installed in accordance with the relevant sections of BS5534:2014+A2:2018, BS8000-6 :2023 and recommended 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, SikaRoof® Vent3® Air underlay can be installed with a nominal drape of 10 mm over rafters and securing with tiling battens, or installed taut over rafters and secured with 50x25 mm 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 double sided sealing tape. Where tight fitting roof coverings are to be installed <38x38 mm counter battens must be fixed.

The SikaRoof® Vent3® Air underlay when installed as a fully supported system, is laid over the support and secured with a minimum 12 mm thick counter batten, alternatively the membrane can be installed over <38x38 mm counter battens and fixed at 200 mm centres using galvanised clout nails. Tiling battens are fixed to the counter battens leaving a drainage and ventilation air-space between the underlay and the tiles. The underlay must not to be dressed into an external gutter. It is recommended a felt support tray or eaves protection strip such as 5U felt be used. At abutments the underlay should be turned up behind the flashing at least 100 mm to prevent rain and snow being blown into the roof-space.

Lap joints in the membrane should have 600 mm reinforcing strips should be fixed at hip, ridges and valleys. 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.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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