

Sarnavap® 2000E

Vapour control layer

Product Description	Sarnavap® 2000E is an unsupported vapour control layer based on PE-LD/PE-HD (Low Density Polyethylen/High Density Polyethylen).
Uses	<ul style="list-style-type: none">■ Vapour control layer (VCL) is applied over most common substrates. Substrates should be smooth, dry and strong enough to support foot traffic.■ If the substrate surfaces is rough (e.g. row concrete or sloped topping), install a levelling layer beneath Sarnavap® 2000E.■ Sarnavap® 2000E vapour control layer is used for flat and pitched roofs.
Characteristics / Advantages	<ul style="list-style-type: none">■ Ease and speed of installation■ Stays flexible at low temperatures■ Long life-span■ Non-decaying■ Constant vapour diffusion resistance■ High water vapour resistance makes it suitable in combination with all membranes.■ Wide application range, in regard to use in different system applications and/or in combination with different structural deck types, substrates.■ Recyclable
Tests	
Approvals / Standards	<ul style="list-style-type: none">■ CE marking according EN 13984■ Reaction to fire according to EN 13 501-1■ Quality management system EN ISO 9001/14001
Product Data	
Form	
Appearance	Surface: smooth, PE-LD foil with Sarnavap® printed on it.
Colour	Green
Packaging	Packing unit: 49 Rolls per palett Roll length: 25.00 m Roll width: 4.00 m Roll weight: 22.00 kg
Storage	
Storage Conditions	Store rolls in horizontal position on a smooth surface and protected from direct sunlight, rain and snow. Do not stack pallets of rolls during transport or storage.
Shelf-Life	The product does not expire during correct storage.

Roofing



Technical Data

Product Declaration		EN 13984
Material Basis	Low Density Polyethylene (PE-LD) foil / High Density Polyethylene (PE-HD) foil.	
Length	25.00 m ($\pm 2\%$)	EN 1848-2
Width	4.00 m ($\pm 1\%$)	EN 1848-2
Thickness	0.225 mm ($\pm 10\%$)	EN 1849-2
Mass per unit area	220 g/m ² ($\pm 10\%$)	EN 1849-2
Straightness	Pass	EN 1848-2
Visible defects	Pass	EN 1850-2
Reaction to fire, freely suspended	Class E	EN ISO 11925-2: 2002, classification to EN 13501-1
Water vapour permeability	420 m (± 70)	EN 1931
Water tightness	Pass	EN 1928
Tensile properties, maximum tensile force:		EN 12311-2
longitudinal	≥ 250 N/50 mm	
transverse	≥ 250 N/50 mm	
Elongation:		EN 12311-2
longitudinal	$\geq 600\%$	
transverse	$\geq 600\%$	
Resistance to impact	≤ 100 mm	EN 12691
Resistance to tearing (nail shank)		EN 12310-1
longitudinal	≥ 160 N	
transverse	≥ 160 N	
Joint strength	≥ 75 N/50 mm	EN 12317-2
Durability against alkaline	No performance determined	Annex C
Durability against artificial ageing	Pass	EN 1296/EN 1931

System Information

System Structure	Ancillary, complementary products: <ul style="list-style-type: none">– Sarnavap[®] Tape F (for sealing overlap airtight)– Sarnatape[®] 20 (for sealing flashing airtight, porous substrates must first be treated with Primer 130)– Primer 130
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Application Details

Substrate Quality	Substrates should be smooth, dry and strong enough to support foot traffic.
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Substrate Preparation	If the substrate surfaces is rough (e.g. raw concrete or sloped topping), install a levelling layer beneath Sarnavap [®] 2000E.
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Application Conditions / Limits

Temperatures	The use of Sarnavap [®] 2000E vapour control layer is limited to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.
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Resistance	Not applicable for permanent exposure to UV irradiation.
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Installation Instructions

Application Method	<p>According to the valid installation instructions Sarnavap[®] 2000E can be installed loose laid over any smooth surface with all side and end laps overlapped a minimum 80 mm and sealed with Sarnavap[®] Tape F (jointing tape). At parapets and upstands the Sarnavap[®] 2000E must be carried up to the upper edge of the thermal insulation and sealed to the upstand/penetration with Sarnatape[®] 20 jointing tape to form an airtight seal (porous substrates must first be treated with Primer 130). If surface is rough, a layer of Sarnafil[®] Type T Felt should be used as cushion layer.</p> <p>Before the application of Sarnavap[®] 2000E, the substrate must be checked. Sarnavap[®] 2000E should be laid on substrate surfaces that are smooth, dry, clean and strong enough to support foot traffic. If the substrate surface is rough (e.g. raw concrete or sloped topping), install a levelling layer beneath Sarnavap[®] 2000E or use foam-backed Sarnavap[®] 3000M.</p> <p>Sarnavap[®] 2000E is loose laid. It is light, so it must be covered (ballasted) immediately with the next layer of the roof build-up. If Sarnavap[®] 2000E is installed on a vertical surface the upper edge must be mechanically attached (except at common base flashing height).</p> <p>Contact surfaces of seams must be clean and dry for adhering. Adjoining sheets must overlap 80 mm. Seams are to be sealed tightly with Sarnavap[®] Tape F.</p> <p>Standard construction practice requires that the vapour control layer at base flashing extend to the top of the roof insulation and be attached to the vertical construction. Sarnavap[®] 2000E vapour control layer is to be adhered airtight with Sarnatape[®] 20 to the warm side of the vertical construction. Porous surfaces must first be treated with Primer 130.</p>
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Installation Procedure

1. Unroll the Sarnavap[®] 2000E over the structural deck and temporarily weight in position.
2. Unroll the next roll of Sarnavap[®] 2000E positioning so as to ensure a minimum 80 mm overlap.
3. Fold back the top sheet of Sarnavap[®] 2000E and apply Sarnavap[®] Tape F (jointing tape) to the bottom sheet.
4. Peel off release tape and carefully fold back the top sheet of Sarnavap[®] 2000E ensuring no wrinkles or creases are formed.
5. Apply pressure to the top sheet of Sarnavap[®] 2000E with a welding roller ensuring good adhesion to the Sarnavap[®] Tape F. On metal decks the lap should be fully supported in order to apply the correct bonding pressure.
6. At transverse joints an airtight bond is achieved by trimming the edge of the upper sheet at 45°.
7. At perimeters and penetrations seal the Sarnavap[®] 2000E by turning up and sealing to a suitable smooth surfaced abutment with Sarnatape[®] 20. For sealing flashing airtight, porous substrates must first be treated with Primer 130.

**Notes on Installation/
Limits**

Installation works shall be performed only by Sika instructed contractors for roofing.

Temperature limits for the installation of the Sarnavap[®] 2000E:

Substrate temperature: -30 °C min. / +60 °C max.

Ambient temperature: -20 °C min. / +60 °C max.

Installation of some ancillary products, e.g. contact tapes and Primer is limited to temperatures above +5 °C. Please refer to the respective Product Data Sheets. Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.

Note:

Sarnavap 2000E is not suitable as permanent waterproofing. It is not designed as roofing membrane and therefore can not replace the waterproofing membrane.

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.
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.
Ecology, Health and Safety Information	A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring the product to the market, to transport or to use it. The product does not damage the environment when used as specified.
REACH	<p>European Community Regulation on chemicals and their safe use (REACH: EC 1907/2006)</p> <p>This product is an article within the meaning 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. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.</p> <p>Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).</p>
Protective Measures	Fresh air ventilation must be ensured, when working (welding) in closed rooms. Local safety regulations must be observed.
Transportation Class	The product is not classified as hazardous good for transport.
Disposal	The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

Legal note: 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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