BUILDING TRUST

PRODUCT DATA SHEET

Sarnavap®-2000 E

VAPOUR CONTROL LAYER

DESCRIPTION

Sarnavap®-2000 E is an unsupported vapour control layer based on Polyethylen (PE).

USES

- 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. raw concrete or sloped topping), install a levelling layer beneath Sarnavap®-2000 E or use foam-backed Sarnavap® 3000M.
- Sarnavap®-2000 E vapour control layer is used for flat and pitched roofs.

CHARACTERISTICS / ADVANTAGES

- Ease and speed of installation
- Stays flexible at low temperatures
- Non-decaying.
- Constant vapour diffusion resistance
- Recyclable

APPROVALS / STANDARDS

- CE marking according EN 13984
- Reaction to fire according to EN 13 501-1
- Quality management system EN ISO 9001/14001

PRODUCT INFORMATION

Composition	Low Density Polyethylene (PE-LD) foil / High Density Polyethylene (PE-HD) foil.	
Packaging	Packing unit	see price list
	Roll length	25.00 m
	Roll width	4.00 m
	Roll weight	22.00 kg
Appearance / Colour	Surface	Smooth, PE-LD/HD foil with Sarnavap® printed on it.
	Colour	Green
Shelf Life	5 years from date of production and according to defined storage conditions in unopened, undamaged, original packaging.	
Storage Conditions	Rolls must be stored between +5 °C and +30 °C in a horizontal position on pallet, protected from direct sunlight, rain and snow. Do not stack pallets of rolls or any other material during transport or storage.	
Product Declaration	EN 13984	
Visible Defects	Pass	(EN 1850-2)

Length	25.00 m (± 2 %)	(EN 1848-2)
Width	4.00 m (± 1 %)	(EN 1848-2)
Effective Thickness	0.225 mm (± 10 %)	(EN 1849-2)
Straightness	Pass	(EN 1848-2)
Mass per Unit Area	220 g/m² (± 10 %)	(EN 1849-2)

TECHNICAL INFORMATION

Resistance to Impact	≤ 100 mm		(EN 12691)
Tensile Strength	longitudinal	≥ 250 N/50 mm	(EN 12311-2)
	transversal	≥ 250 N/50 mm	
Elongation	longitudinal	≥ 600 %	(EN 12311-2)
	transversal	≥ 600 %	
Tear Strength	longitudinal	≥ 160 N	(EN 12310-1)
	transversal	≥ 160 N	
Reaction to Fire	Class E		(EN ISO 11925-2:2002) (classification to EN 13501-1)
Resistance to UV Exposure	Not applicable for permanent exposure to UV irradiation.		
Artificial Ageing	Pass		(EN 1296 / EN 1931)
Water Vapour Transimission	≥ 400 m		(EN 1931)
Water Tightness	Pass		(EN 1928)

SYSTEM INFORMATION

System Structure	Ancillary, complementary products: ▪ Sarnavap® Tape F (for sealing overlap airtight) ▪ Sarnatape® 20 (for sealing flashing airtight, porous substrates must first be treated with Primer 130) ▪ Primer 130

APPLICATION INFORMATION

Ambient Air Temperature	-20 °C min. / +60 °C max.
Substrate Temperature	-30 °C min. / +60 °C max.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Substrates shall be smooth, dry and strong enough to support foot traffic.

SUBSTRATE PREPARATION

If the substrate surfaces is rough (e.g. raw concrete or sloped topping), install a levelling layer beneath Sarnavap®-2000 E.

APPLICATION

1. Unroll the Sarnavap®-2000 E over the structural deck and temporarily weight in position.
2. Unroll the next roll of Sarnavap®-2000 E positioning so as to ensure a minimum 80 mm overlap.
3. Fold back the top sheet of Sarnavap®-2000 E 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®-2000 E ensuring no wrinkles or creases are formed.
5. Apply pressure to the top sheet of Sarnavap®-2000 E 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®-2000 E 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.

Installation works shall be performed only by Sika instructed contractors for roofing.
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®-2000 E is not suitable as permanent waterproofing. It is not designed as roofing membrane and therefore can not replace the waterproofing membrane.

APPLICATION METHOD / TOOLS

According to the valid installation instructions Sarnavap®-2000 E 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®-2000 E 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.
Before the application of Sarnavap®-2000 E, the substrate must be checked. Sarnavap®-2000 E 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®-2000 E or use foam-backed Sarnavap® 3000M.
Sarnavap®-2000 E is loose laid. It is light, so it must be covered (ballasted) immediately with the next layer of the roof build-up. If Sarnavap®-2000 E is installed on a vertical surface the upper edge must be mechanically attached (except at common base flashing height).
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.
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®-2000 E 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.

IMPORTANT CONSIDERATIONS

The use of Sarnavap®-2000 E 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.

BASIS OF PRODUCT DATA

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

REGULATION (EC) NO 1907/2006 - REACH

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)

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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