BUILDING TRUST

PRODUCT DATA SHEET

Sarnavap®-5800 SA

Self-adhered vapour barrier layer

DESCRIPTION

Sarnavap®-5800 SA is a multi-layered, self-adhered vapor barrier with a reinforced polyethylene and an aluminum foil inlay. A hot melt adhesive is arayed on the backeside with a release liner.

USES

Sarnavap®-5800 SA is used as a vapour barrier layer over most common roof deck types and facade types:

- Metal
- Plywood panels, timber boards, oriented strand board (OSB)
- Temporary waterproofing layer for up to 2 weeks.

CHARACTERISTICS / ADVANTAGES

- Installation is easy and fast due to self-adhesive property
- Provides an air tight layer
- Good tear resistance under foot traffic makes it ideal for use on profiled metal decks
- High water vapour resistance makes it suitable in combination with all types of membranes
- Accommodates a wide range of roof system, deck types and substrate combinations
- Can be bonded onto flashings, inclined or vertical surfaces

PRODUCT INFORMATION

Packaging	80 m / roll Sarnavap®-5800 SA is wrapped individually in a carton box.
Appearance / Colour	Textured / Silver
Shelf Life	12 months from date of production if stored correctly.
Storage Conditions	Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between + 5 °C and + 35 °C. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage.
Length	~80 m
Width	~1.07 m
Thickness	~0.25 mm
Mass per Unit Area	~0.29 kg / m²

TECHNICAL INFORMATION

Tensile Strength	≥ 550 N / 50 mm	(GB/T328.9-2007) (EN 12311-2)
Tear Strength	≥ 200 N	(GB/T328.18-2007) (EN 12310-1)

Joint Shear Resistance	≥ 8 N / mm (Seam overlap 50mm)	(GB/T328.23-2007) (EN 12317-2)
Permeability to Water Vapour	≥ 1800 m	(GB/T 17146) (EN1931)
Water Vapour Transimission	≤ 4 g / (m²·24h)	(GB/T 1037)
Water Tightness	Pass	(EN 1928)
Adhesion in Peel	≥ 70 N / 50 mm (Sample substrate is aluminum plate.)	(GB/T 328.20-2007)

APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min. / +60 °C max.
Substrate Temperature	+5 °C min. / +50 °C max.

SYSTEM INFORMATION

System Structure	The following product is suggested to be considered for use depending on substrate types: ▪ Sika Primer 600
Compatibility	The substrate can be one of the following materials: Plywood, OSB, metal / steel, wood

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.

IMPORTANT CONSIDERATIONS

- Ensure Sarnavap®-5800 SA is prevented from direct contact with incompatible materials (refer to compatibility section).
- Sarnavap®-5800 SA must be installed by loose rolling it out on the roof without stretching and then adhered to the substrate without tension.
- The use of Sarnavap®-5800 SA is limited to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.
- Do not use as permanent waterproofing.
- Do not use as a roofing membrane.
- Not suitable for fully adhered roof build-ups.

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).

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build-up and the complete roof system must be designed and secured against wind uplift loadings if exposed.
Sarnavap®-5800 SA is installed on corrugated/profiled metal and plywood / OSB decks. Any other substrate type requires approval by Sika.
The substrate must be uniform, firm, smooth and free of any sharp protrusion or burrs, clean, dry, and free of grease, bitumen, oil, dust and loose surface sand / gravel dressing.

SUBSTRATE PREPARATION

Use the appropriate preparation equipment to achieve the required substrate quality. If dust is present on the substrate, it must be completely removed before application of product with suitable dust extraction equipment.

Substrate	Primer
Plywood & OSB (with treated surface), metal / steel	None
Wood	Primer-600

Porous materials may require 2 primer applications ~200 g/m².

APPLICATION

Reference must be made to further documentation where applicable, such as relevant method statement,

application manual and installation or working instructions.
Installation procedure may vary slightly depending on site conditions.

Priming

Apply primer where required to the prepared substrate, such as Primer-600 / Sikafloor®-161 / Sikafloor®-151 at the required consumption.

Alignment

- Profiled metal decks:

the sheets must be laid in the direction of the deck ribs. Where side/logitudinal ovverlap seams occur, they must be fully supported by aligning over the full surface of a top rib.

- All deck types:

Unroll a sheet and align into the corect position. Subsequentsheets must be rolled out and aligned taking into consideration the overlap seam requirements.

Overlap seams

Side / logitudinal	50 mm
End / T-joints	50 mm

To achieve effectively sealed overlap seams, they must be rolled down firmly with a pressure roller or by applying pressure.

Profiled metal decks

At the end of the rolled sheet, an additional 20 cm wide Sarnavap®-5800 SA support strip must be applied. It must be positioned so it aligns perpendicular to the deck rib direction. This provides a continuous support over the ribs allowing the ends of the sheets to be fully bonded.

Bonding

Check the alignmenr of the sheets before bonding. Realign where necessary. At one end of the sheet, peel away part of the release liner from the backside anf bond this part to the substrate. Then peel away the release liner sideways from the rest of the Sarnavap®-5800 SA to allow it to bond to the substrate. Then roll the entire surfacce area of the applied membrane with a suitable silicon roller.
At T-joints the edge of the middle, covered sheet is to be beveled at 45°. Using a small pressure roller, all overlaps including the steps at the bevels must be firmly pressed together after being bonded into position.

Detailing

All details such as internal and external corners, upstands, vent pipes, support metalwork etc. must be cut and sealed effectively. Sarnavap®-5800 SA must alwasy be attached on the warm side of the thermal insulation.

Temporary waterproofing

If Sarnavap®-5800 SA is to provide a temporary waterproofing layer during construction (up to 2 weeks), a slope of at 2% (~1.1°) must be provided to ensure drainage with no standing water. Roof drainage lines must be adequately sized.

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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