

PRODUCT DATA SHEET

SikaShield® E-ALGV-3 Nsk/Safeguard

Self-adhesive seam elastomeric bitumen vapour control layer with safety seam for formwork

DESCRIPTION

SikaShield® E-ALGV-3 Nsk/Safeguard (thickness 3 mm) is a self-adhesive seam elastomeric bitumen vapour control layer reinforced with a polyester-aluminium laminate and a glass fleece with longitudinal thread. The top and bottom side is laminated with a white polypropylene fleece. The top side longitudinal overlap area has an onesided PET-foil edge strip and the opposite underside a safety seam foil strip and a silicone peel-off strip.

USES

- Vapour control layer for flat roofs on wooden substrates (formwork)

FEATURES

- Elastic behaviour at low temperatures
- Vapour & radon barrier
- High adhesive power of the self-adhesive layer
- Safety seam
- Non-slip surface
- Chemically good compatible
- Suitable as temporary seal (max. 6 months)

CERTIFICATES AND TEST REPORTS

CE-Marking and declaration of performance to

- EN 13970 - Bitumen vapour control layers

PRODUCT INFORMATION

Composition	coating reinforcement	self-adhesive elastomeric bitumen polyester-aluminiumlaminate + glas fleece
Packaging	single rolls	
Appearance and colour	top bottom	fleece, foil-laminated edge trim silicone peel-off film edge trim, fleece
Shelf life	12 months if stored properly	
Storage conditions	Store vertical and protected from extreme external influence such as heat, cold, moisture etc.	
Visible defects	free of visible defects	(EN 1850-1)
Length	10 m	(EN 1848-1)
Width	1 m	(EN 1848-1)
Thickness	3 mm	(EN 1849-1)

Straightness	< 20 mm / 10 m	(EN 1848-1)
Max. operating pressure	3.3 kg/m ² [± 10%]	(EN 1849-1)

TECHNICAL INFORMATION

Tensile strength	maximum tensile force	(EN 12311-1)
	lengthwise	≥ 500 N / 50 mm
	crosswise	≥ 300 N / 50 mm
Elongation	elongation at maximum tensile force	(EN 12311-1)
	lengthwise	≥ 2 %
	crosswise	≥ 2 %
Tear strength	nail shank	(EN 12310 -1)
	lengthwise	≥ 100 N
	crosswise	≥ 100 N
Reaction to fire	class E	(EN 13501-1, EN ISO 11925-2)
Water-vapour transmission rate	$s_d = 1.500 \text{ m} [\pm 10\%]$	(EN 1931 - procedure A)
Watertightness	60 kPa	(EN 1928 - procedure B)
Flow resistance	+90 °C	(EN 1110)
Flexibility at low temperature	-20 °C	(EN 1109)

APPLICATION INFORMATION

Ambient air temperature	In order to ensure save self-adhesion of the membrane, we recommend a minimum temperature of +10°C during the application. If necessary, the self-adhesive membrane shall additionally be activated by welding or torching.
Substrate temperature	In order to ensure save self-adhesion of the membrane, we recommend a minimum temperature of +10°C during the application. If necessary, the self-adhesive membrane shall additionally be activated by welding or torching.

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

Fresh air ventilation must be ensured, when working (welding or torching) in closed rooms.

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

Our installation instructions for bitumen waterproofing systems and our information under the heading "Regulations and guidelines" must be observed. In general, the relevant regulations, standards, and rules must be observed. The currently valid version of all these documents must be used.

FURTHER INFORMATION

The product is suitable as a temporary waterproofing solution for a maximum of 6 months. In principle, when using a temporary waterproofing solution, it is important to ensure that it is securely attached to the substrate and to carefully execute and check the overlap seam. During use as a temporary waterproofing solution, the membrane must be protected from direct mechanical and static loads, e.g., frequent foot traffic and/or loads, etc. After a prolonged period of inactivity, the vapor barrier layer must be checked to ensure it is functioning properly and, if necessary, repaired before further roofing work is continued. Please note that a temporary waterproofing has lower performance characteristics than a properly dimensioned waterproofing.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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