

PRODUCT DATA SHEET

SikaShield® V13

Bitumen membrane with glass fleece inlay for roofing & waterproofing

DESCRIPTION

SikaShield® V13 (thickness 2 mm) is an oxidized bitumen membrane reinforced with a glass fleece with longitudinal thread. The top and bottom side is finely granulated with quartz sand.

USES

Subordinate Applications

FEATURES

Chemically good compatible

CERTIFICATES AND TEST REPORTS

CE-Marking and declaration of performance according to

- EN 13707 - national implementation DIN/TS 20.000-201: 2025-02- Bitumen sheets for roof waterproofing
- EN 13969 - national implementation DIN/TS 20.000-202: 2025-02-Bitumen sheets for basement

PRODUCT INFORMATION

Composition	coating	oxidized bitumen
	reinforcement	glass fleece $\geq 60 \text{ g/m}^2$
	minimum soluble content	1.300 g/m ² (DIN 52123)
Packaging	single rolls	
Appearance and colour	top	fine granule
	bottom	fine granule
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	2 mm [$\pm 0.2 \text{ mm}$]	(EN 1849-1)
Straightness	< 20 mm / 10 m	(EN 1848-1)
Mass per unit area	2.3 kg/m ² [$\pm 0.2 \text{ kg/m}^2$]	(EN 1849-1)

TECHNICAL INFORMATION

Tensile strength	maximum tensile force	(EN 12311-1)
	lengthwise	≥ 400 N / 50 mm
	crosswise	≥ 300 N / 50 mm
Elongation	elongation at maximum tensile force	(EN 12311-1)
	lengthwise	≥ 2 %
	crosswise	≥ 2 %
Reaction to fire	class E	(EN 13501-1, EN ISO 11925-2)
Watertightness	60 kPa	(EN 1928 - procedure B)
Flow resistance	+70 °C	(EN 1110)
Flexibility at low temperature	0 °C	(EN 1109)

APPLICATION INFORMATION

Ambient air temperature	In order to ensure save adhesion of the membrane, we recommend a minimum temperature of +5°C during the application.
Substrate temperature	In order to ensure save adhesion of the membrane, we recommend a minimum temperature of +5°C during the application.

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).

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APPLICATION INSTRUCTIONS

Our installation instructions for bitumen waterproofing systems, as well as the information provided under the "Regulations and Guidelines" section, must be followed.

In general, the relevant regulations, standards, and codes must be observed.

For all of these documents, the currently valid version must be used.

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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