SikaShield® E-KV-15/V-Nsk

Self-adhesive seam elastomeric bitumen underlay with polyester fleece inlay

DESCRIPTION

SikaShield® E-KV-15/V-Nsk (thickness 1.2 mm) is a self-adhesive seam elastomeric bitumen roof underlay re-inforced with a polyester fleece.
The top and bottom side is laminated with a white polypropylene fleece. The top side longitudinal over-lap area has an onesided PET-foil edge strip and the opposite underside a silicone peel-off strip.

USES

- Underlayers for pitched roofs
- Seperating and protecting layer for wooden sub-strates

FEATURES

- Elastic behaviour at low temperatures
- Robust, tear-resistant and stretchable reinforcement
- Separation layer
- Self-adhesive seam
- High adhesive power of the self-adhesive layer
- Non-slip surface
- Chemically good compatible

CERTIFICATES AND TEST REPORTS

CE-Marking and declaration of performance to EN 13859-1 - Underlays for discontinuous roofing

PRODUCT INFORMATION

Composition	coating	self adhesive elastomeric bitumen
	reinforcement	polyester fleece
Packaging	single rolls	
Appearance and colour	top	fleece*, foil-laminated edge trim
	bottom	silicone peel-off film edge trim, fleece
	* The existing surface is not UV-resistant in the long term and must therefore be protected against direct weathering as soon as possible	
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	20 m	(EN 1848-1)
Width	1 m	(EN 1848-1)
Thickness	1.2 mm [- 5 %]	(EN 1849-1)
Straightness	< 20 mm / 10 m	(EN 1848-1)

Mass per unit area	1.2 kg/m² [± 10%]	(EN 1849-1)

TECHNICAL INFORMATION

Tensile strength	maximum tensile force		(EN 12311-1)
	lengthwise	≥ 400 N / 50 mm	
	crosswise	≥ 300 N / 50 mm	

Elongation	elonagtion at maximum tensile force		(EN 12311-1)
	lengthwise	≥ 30 %	
	crosswise	≥ 30 %	

Dimensional stability	≤ | 1.0 | %	(EN 1107-1)

Tear strength	nail shank		(EN 12310-1)
	lengthwise	≥ 150 N	
	crosswise	≥ 150 N	

Reaction to fire	class E	(EN 13501-1, EN ISO 11925-2)

Artificial ageing	properties after artificial ageing and UV exposure		(EN 1296, EN 13589-1 attachment C)
	watertightness (1928 - procedure A)	W1	
	tensile properties (EN 12311-1)		
	maximum tensile force lengthwise crosswise	≥ 260 N / 50mm ≥ 200 N / 50mm	
	elongation at maximum tensile force lengthwise crosswise	≥ 20 % ≥ 20 %	

Water-vapour transmission rate	s_d = 80 m [± 20%]	(EN 1931 - procedure A)

Watertightness	W1	(EN 1928 - procedure A)

Flow resistance	+100 °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.

PRODUCT DATA SHEET
SikaShield® E-KV-15/V-Nsk
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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

General provisions on substrate quality:
The substrate must be uniform, firm, smooth and free of any sharp protrusion or burrs, clean, dry, free of grease, oil, dust and loosely adhering particles.

Substrate preparation:
Use the appropriate preparation equipment to achieve the required substrate quality.

General provisions for the application:
Strictly follow installation procedures as defined in method statement, application manuals and working instructions which must always be adjusted to the actual site conditions.
All corresponding processing standards and regulations must be obeyed.

Protection:
The membrane must be protected from damage during any ongoing site activities.

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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