

PRODUCT DATA SHEET

Sikaplan® WP Protection Sheet-21 H

PROTECTIVE SHEET MEMBRANE

PRODUCT DESCRIPTION

Sikaplan® WP Protection Sheet-21 H is a homogeneous protective sheet membrane, based on polyvinylchloride (PVC-p).

USES

- Protection of Sikaplan® WP (PVC) membranes

CHARACTERISTICS / ADVANTAGES

- Resistant to static puncture and impact
- Contains no DEHP (DOP) plasticisers
- High dimensional stability under permanent pressure and heat
- Flexible in cold temperatures
- Suitable for contact with acidic soft water and alkaline environments
- Resistant to root penetration and micro-organisms
- Hot air weldable
- Can be installed on damp and wet substrates
- Temporary UV stable for installation

PRODUCT INFORMATION

Chemical Base	Polyvinylchloride (PVC-p)	
Packaging	Roll size	
	Length	As required for installation
	Width	2,20 m
	Refer to current price list for packaging variations	
Appearance / Colour	Surface	smooth
	Colour	shades of grey
Shelf Life	5 years from date of production	
Storage Conditions	Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Store in a horizontal position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.	
Effective Thickness	2,1 (-5 / +10 %) mm	(EN 1849-2)
Mass per unit area	~2,8 kg/m ²	

TECHNICAL INFORMATION

Tensile Strength	≥ 12 N/mm ² (machine/cross direction)	(ISO 527)
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Elongation	≥ 200 % (machine/ cross direction)	(ISO 527)
Resistance to Static Puncture	≥ 2,5 kN	(EN ISO 12236)
Resistance to Impact	Watertight at 1000 mm drop height (500 g falling weight, Method A)	(EN 12691)
Resistance to Root Penetration	Pass	(CEN/TS 14416)
Reaction to Fire	Class E	(EN 13501-1)(EN ISO 11925-2)
Service Temperature	-10 °C min. / +35 °C max.	
Ambient Maximum Temperature of Liquids	+35 °C	

SYSTEM INFORMATION

System Structure	Ancillary Products: ▪ All Sikaplan® WP (PVC) membranes
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APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min.
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APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate conditions are as defined for the waterproofing membrane system which is to be protected with the Sikaplan® WP Protection Sheet-21 H.

APPLICATION METHOD / TOOLS

Installation procedure

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

The protective membrane must be fastened by welding to any compatible PVC waterproofing membrane in accordance with the Sika Method Statement for sheet waterproofing membrane installations. The jointing faces must be dry and free from any contaminations.

FURTHER DOCUMENTS

- Sika Method Statement for sheet waterproofing membrane installations

LIMITATIONS

Installation works must only be carried out by Sika® trained contractors.

- Do not expose to permanent weathering and UV-light
- The membrane is not resistant to permanent contact with bitumen and some types of plastics other than PVC or Sika approved system components.

VALUE BASE

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 this 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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