

PRODUCT DATA SHEET

Sikaplan® WP Protection Sheet-20 HE

PROTECTION SHEET FOR WATERPROOFING MEMBRANES

DESCRIPTION

Sikaplan® WP Protection Sheet-20 HE is a homogeneous protective membrane with an embossed surface, based on polyvinylchloride (PVC-p).

USES

Protection of waterproofing membranes on base of PVC-p, also in combination with injection backup systems.

CHARACTERISTICS / ADVANTAGES

- Embossed surface to allow proper spreading of repair injection material
- High resistance to mechanical influences
- Without 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
- Optimized workability, thermally weldable
- Can be installed on damp and even wet substrates
- Temporary UV stability for installation

APPROVALS / STANDARDS

Quality Management System EN ISO 9001/ ISO 14001

PRODUCT INFORMATION

Packaging	Roll size	2.20 m (width) × roll length individual and as specified
Appearance / Colour	Surface	Top: 0.4 mm embossing Reverse: Smooth
	Colour	Various shades of grey
Shelf life	5 years shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging	

Storage conditions	Rolls must be stored in their original packaging, in a horizontal position and in cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice, etc. Do not stack pallets of rolls during transport or storage.	
Effective Thickness	2.05 (-5 % / +10 %) mm incl. embossing	(EN 1849-2)
Mass per unit area	~2.7 kg/m ²	

TECHNICAL INFORMATION

Tensile Strength	≥10 N/mm ² (machine/ cross direction)	(ISO 527)
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	(EN 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	

SYSTEMS

System Structure	Ancillary Products: ▪ All Sikaplan® WP (PVC based) 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-20 HE.

APPLICATION METHOD / TOOLS

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 (available separately on request). The jointing faces must be dry and free from any contaminations.

LIMITATIONS

Installation works must only be carried out by Sika® trained contractors. The membrane is not UV stabilized and cannot be installed on structures permanently exposed to sunlight and weathering. The membrane is not resistant to permanent contact with bitumen, and some types of plastics other than PVC or Sika approved system components.

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. 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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