

PRODUCT DATA SHEET

Sikaplan® WP Protection Sheet-20 HE

2.05 mm thick embossed PVC protection sheet membrane

DESCRIPTION

Sikaplan® WP Protection Sheet-20 HE is a flexible, 2.05 mm thick, homogeneous, embossed, protective sheet membrane. It is based on polyvinylchloride (PVC-p).

USES

Sikaplan® WP Protection Sheet-20 HE is used for:

- Protection of Sikaplan® WP (PVC) membranes in basements
- Protection of Sikaplan® WP (PVC) membranes in tunnels
- Combination with injection backup systems SikaFuko®

FEATURES

- Embossed surface to allow proper spreading of repair injection material
- Good resistance to static puncture and impact
- Contains no recycled materials and no DEHP (DOP) plasticisers
- Good dimensional stability under permanent pressure and heat
- Flexible in cold temperatures
- Suitable for contact with acidic (soft) water and alkaline environments
- Optimised workability and thermally weldable
- Conditionally UV stable

PRODUCT INFORMATION

Composition	PVC-p	
Packaging	Roll width	2 m
	Roll length	Specified
Appearance and colour	Top layer surface texture	0.4 mm embossing
	Reverse surface texture	Smooth
	Colour	Shades of grey
Shelf life	5 years from date of production	
Storage conditions	The Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +35 °C. Protect the Product from direct weather exposure. 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 the packaging.	
Thickness	2.05 mm (-0.10 mm / +0.20 mm) including embossing	
Mass per area	~ 2.7 kg/m ²	(EN 1849-2)

TECHNICAL INFORMATION

Resistance to impact	Method A, 500 gr falling weight	Watertight at 1000 mm drop height	(EN 12691)
Resistance to static puncture	≥2.5 kN		(EN ISO 12236)
Resistance to root penetration	Pass		(CEN/TS 14416)
Tensile strength	Longitudinal (MD)	≥10 N/mm ²	(EN ISO 527-3)
	Transversal (CMD)	≥10 N/mm ²	
Tensile strain at break	Longitudinal (MD)	≥200 %	(EN ISO 527-3)
	Transversal (CMD)	≥200 %	
Reaction to fire	Class E		(EN 13501-1)
Resistance to UV exposure	Not permanently UV stable		
Resistance to weathering	Not resistant to permanent weathering		
Service temperature	Minimum	-10 °C	
	Maximum	+35 °C	

SYSTEM INFORMATION

System structure	The Product is used in conjunction with Sikaplan® WP waterproofing membranes.
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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.

FURTHER DOCUMENTATION

For information on application, refer to the following Sika® method documents:

- Sika Method Statement Sikaplan® WP sheet membrane (PVC) system for waterproofing basements
- Sika Method Statement Sikaplan® WP sheet membrane (PVC) system for waterproofing tunnels

IMPORTANT CONSIDERATIONS

The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.

- Always ensure good ventilation when applying Sikaplan® WP Protection Sheet-20 HE in a confined space.
- Sikaplan® WP Protection Sheet-20 HE is not UV stabilized and cannot be installed on structures permanently exposed to sunlight and weathering.
- Sikaplan® WP Protection Sheet-20 HE is not resistant to permanent contact with bitumen and some types of plastics other than PVC or Sika approved system components. For use over or adjacent to bitumen, apply a separation layer of polypropylene geotextile (≥150 g/m²).

ECOLOGY, HEALTH AND SAFETY

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

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

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

Sikaplan® WP Protection Sheet-20 HE 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.

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.

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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