



PRODUCT DATA SHEET

Sikaplan® WP Protection Sheet-20 HE

PROTECTION SHEET FOR WATERPROOFING MEMBRANES

PRODUCT DESCRIPTION

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

WHERE TO USE

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 / CERTIFICATES

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	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 Static Load	≥ 20 kg (Method B, 24h/ 20 kg)	(EN 12730)
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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BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

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.

ENVIRONMENT, HEALTH & SAFETY

HAZARDOUS PRODUCT ACT - SECTION 2

This product is a manufactured article that does not require Safety Data Sheets to be marketed, transported or applied at the jobsite, according to the Hazardous Product Act - Section 2. Based on our current knowledge, this product is not classified as dangerous and does not contain any hazardous materials. Always wear personal protective equipment (including safety goggles and gloves) to manipulate and install Sika® products.

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.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

Sika Canada Inc.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations

Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

Product Data Sheet

Sikaplan® WP Protection Sheet-20 HE
September 2021, Version 01.01
020720102000000003