

PRODUCT DATA SHEET

Sika® Geotextile-500

DESCRIPTION

Sika® Geotextile-500 is a 500 g/m² levelling and protective geo-textile layer based on Polyethylene terephthalate (PET).

USES

As a surface levelling and protective geo-textile layer under sheet waterproofing membranes, for use in tunnels, basement and other underground structures.

CHARACTERISTICS / ADVANTAGES

- Highly resistant to ageing
- High tensile strength and elongation
- Resistant to all natural aggressive mediums in ground water and soil
- Suitable for contact with soft water (aggressive to concrete)
- High flexibility in cold temperatures
- Can be installed on damp and wet substrates

PRODUCT INFORMATION

Packaging	Roll size : 2.00 m (roll width) x 50.00 m (roll length) Roll weight: 50.00 kg
Appearance / Colour	Surface: structured White
Shelf Life	The product does not expire if correctly stored
Storage Conditions	Rolls must be stored in original package, in horizontal position and in cool and dry conditions. Stored in dry conditions, protected from direct sunlight, rain, snow and ice, etc.
Thickness	3.6 mm (ASTM D5199-98)
Mass per Unit Area	500 g/m ²

TECHNICAL INFORMATION

Tensile Strength	Tensile strength		
	Machine Direction	25.0 KN/m	(ASTM D4595-17)
	Cross Machine Direction	27.2 KN/m	
Elongation	Machine Direction	67.2%	(ASTM D4595-17)
	Cross Machine Direction	77.3%	
Water permeability	Permeability coefficient		
	1.4 x 10 ⁻¹ cm/s		
Opening size	0.12 mm		

SYSTEM INFORMATION

System Structure	Ancillary products: <ul style="list-style-type: none">▪ Sikaplan® WP Disk, Sikaplan® WT Disk and Sika Disk▪ All Sikaplan® WP and Sikaplan® WT membranes and prefabricated parts.▪ Sikaplan® WP Protection sheet▪ Sika® Waterbars WP, Types AR and DR for fixing pieces and Waterproofing concrete joints.
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APPLICATION INFORMATION

Substrate Temperature	Application limits: Do not use for permanent exposure to UV light and weathering. To be covered within 1 month of installation.
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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.

LIMITATIONS

Installation works shall be carried out by Sika trained contractors, experienced in the lining of tunnels and underground structures.

The Sika® Geotextile-500 is not UV stabilized.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Substrate preparation: Substrate cleaned without loosen aggregates, stones, nails wires, etc.

APPLICATION METHOD / TOOLS

Loose laid and mechanically fastened in accordance with the Sika® application manual and installation instructions.

Surface levelling and protective felts is spot fastened with disks.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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