



## PRODUCT DATA SHEET

# Sikaplan®-1200 Geotextile CA

Geotextile for protection/separation — 1200 g/m<sup>2</sup>

### PRODUCT DESCRIPTION

Sikaplan®-1200 Geotextile CA is a 1200 g/m<sup>2</sup> polypropylene (PP), non-woven geotextile. It is used as a protection or separation layer beneath underground or tunnel waterproofing sheet membranes.

### WHERE TO USE

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

### CHARACTERISTICS / ADVANTAGES

- High level of protection
- Made of virgin material
- Part of the complete waterproofing membrane system
- Highly resistant to ageing
- High tensile strength and elongation
- Resistant to natural aggressive substances in groundwater and soil
- Suitable for contact with acidic (soft) water
- Flexible in cold temperatures
- Can be installed on damp and wet substrates

### PRODUCT INFORMATION

<b>Composition / Manufacturing</b>	Polypoprylene		
<b>Packaging</b>	Roll dimensions: 2 x 20 m (width x length) Rolls are wrapped in PE film.		
<b>Shelf Life</b>	5 years from date of production. Sikaplan®-1200 Geotextile CA is susceptible to degradation by UV light and should not be exposed to sunlight for more than 3 months.		
<b>Storage Conditions</b>	Sikaplan®-1200 Geotextile CA must be stored in original unopened and undamaged sealed packaging in relatively dry conditions and with temperatures between 0 °C and +35 °C. Store in a horizontal position, preferably off of the ground to prevent water ingress and subsequent absorption of water by the material. 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 labels.		
<b>Appearance / Colour</b>	White nonwoven geotextile fibres		
<b>Thickness</b>		<b>Mean Value</b>	<b>Unit</b>
	Thickness	2 kPa	8.00
	under		mm
			(EN ISO 9863)

Mass per unit area

<u>Mean Value</u>	<u>Unit</u>	<u>Tolerance</u>
1200	g/m <sup>2</sup>	100

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(EN ISO 9864)



## TECHNICAL INFORMATION

<b>Resistance to Static Puncture</b>	<b>Static Puncture (CBR test)</b>			(EN ISO 12236)	
	<b>Mean Value</b>	<b>Unit</b>	<b>Tolerance</b>		
	16.0	kN	± 1.5		
<b>Resistance to Dynamic Perforation</b>	<b>(Cone drop test)</b>			(EN ISO 13433)	
	<b>Mean Value</b>	<b>Unit</b>	<b>Tolerance</b>		
	0.0	mm	± 0.0		
<b>Protection efficiency</b>	1820 N			(EN 14574)	
<b>Tensile Strength</b>	<b>Mean Value</b>			(EN ISO 10319)	
		<b>Unit</b>	<b>Tolerance</b>		
	Longitudinal (MD)	75.0	kN/m		± 8.5
	Transversal (CMD)	75.0	kN/m	± 8.5	
<b>Elongation</b>	<b>Elongation at Maximum Load</b>			(EN ISO 10319)	
		<b>Mean Value</b>	<b>Unit</b>		<b>Tolerance</b>
	Longitudinal (MD)	85	%		± 16
	Transversal (CMD)	95	%	± 18	
<b>Water Permeability</b>	<b>Normal to the plane</b>			(EN ISO 11058)	
		<b>Mean Value</b>	<b>Unit</b>		<b>Tolerance</b>
	(h=50 mm)	15	L/(m <sup>2</sup> .s)	± 5	
<b>Opening Size</b>	<b>Mean Value</b>			(EN ISO 12956)	
		<b>Unit</b>	<b>Tolerance</b>		
	O <sub>90</sub>	65	µm	± 20.0	
<b>Resistance to UV Exposure</b>	Not permanently UV stable.				
<b>Resistance to Weathering</b>	Not resistant to permanent weathering.				

## 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.

## ENVIRONMENT, HEALTH & SAFETY

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.

## 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](http://www.sika.ca)

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