

## PRODUCT DATA SHEET

# Sikaplan®-700 Geotextile LK

## DESCRIPTION

Sikaplan®-700 Geotextile LK is a 700g/m<sup>2</sup> levelling and protective geotextile layer based on 100 % Polypropylene Thermo Calendered Needle Punched Nonwoven material

## USES

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

## FEATURES

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

## PRODUCT INFORMATION

### Packaging

#### Roll size

- 5.00 m (roll width) x 50.00 m (roll length)
- 5.00 m (roll width) x 100.00 m (roll length)
- 4.00 m (roll width) x 100.00 m (roll length)

### Shelf life

The product does not expire if correctly stored

### Storage conditions

Store away from oxidizing materials in a cool, dry place with adequate ventilation.

### Appearance and colour

Surface: structured  
White

### Thickness

>3.7mm (ASTM D 5199)

### Mass per area

700 g/m<sup>2</sup> (ASTM D 5261)

## SYSTEM INFORMATION

### System structure

#### Ancillary products:

- 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.

# TECHNICAL INFORMATION

Resistance to static puncture	6500N (ASTM D 6241)
Tensile strength	Tensile Strength - 25 kN/m (ASTM D 4595) Grab Tensile strength - 2kN (ASTM D 4632)
Tear strength	Tear Resistance - 800N (ASTM D 4533)
Permeability to liquid water	>0.001 m/s (ASTM D 4491)
Flow rate	Flow water rate (5cm head) - 30 l/m <sup>2</sup> /sec (ASTM D 4491)
Opening size	AOS - 75 microns (ASTM D 4751)
Resistance to UV exposure	UV resistance at 500hrs - 70% strength retained (ASTM D 4355)
Durability	Energy absorption Index >380 kJ/m <sup>2</sup> (ASTM D 4632)

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## 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.

## 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 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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