

PRODUCT DATA SHEET

Sikatec SNW 120

SUPERIOR NEEDLE PUNCHED NONWOVEN GEOTEXTILES

PRODUCT DESCRIPTION

Sikatec SNW 120 is a levelling and protective non-woven geotextile layer based on polypropylene(PP).

USES

As a surface levelling and protective geotextile 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 natural aggressive mediums in ground water and soil
- High flexibility in cold temperatures
- Can be installed on damp and wet substrates

PRODUCT INFORMATION

Chemical Base	Polypropylene		
Packaging	Roll diameter: 54cm (+/- 10%)		
Appearance / Colour	White nonwoven geotextile fibers		
Shelf Life	Sikatec SNW 120 is only susceptible to degradation by UV light and should only be rolled out and exposed to sunlight for no more than 3 months before installation. Sikatec SNW 120 is composed of inert polypropylene polymer and as such if it is kept in wrappers the shelf life is indefinite.		
Storage Conditions	Sikatec SNW 120 should be kept in wrappers prior to use. Although water in itself does not damage or impair the properties of Sikatec SNW 120 it should be noted that if the material needs to be relatively dry for installation purposes then the rolls are best stored inside. If this is not possible then care needs to be taken that any holes or damaged wrapping should be covered. Also it is recommended to cover the ends of the rolls to prevent ingress of rain water into the tubes and subsequent absorption of water by the material. Also recommended that packs are stored off the ground by means of timbers to prevent groundwater ingress.		
Dimensions	Length (+/- 1%) x width (+/- 1%) 35 x 5.25 m 35 x 2.62 m		
Thickness	6 mm	+/- 1.20 mm	EN ISO 9863-1
Unit weight	1000 g/m ²	+/- 100.0 g/m ²	EN ISO 9864

Mass per unit area	0.91 kg/dm ³		
Resistance to Static Puncture	11.5 kN	-2.3 kN	EN ISO 12236
Resistance to Dynamic Perforation	0 mm	+0 mm	EN ISO 13433
Tensile Strength		Performance	Tolerance
	Machine direction:	70 kN/m	-9.1 kN/m
	Cross direction:	70 kN/m	-9.1 kN/m
Elongation		Performance	Tolerance
	Machine direction:	70%	+/- 16.1%
	Cross direction:	70%	+/- 16.1%
Water Permeability	20 l/m ²	-6 l/m ²	EN ISO 11058
Opening Size	55 µm	+/- 16.5 µm	EN ISO 12956
Durability	Maximum allowed time between installation and covering of the geosynthetic	2 weeks	EN 12224
Water Flow Capacity	8.5x10 ⁻⁶ m ² /s	-10 % log g m ² /s	EN ISO 12958

LIMITATIONS

Maximum allowed time between installation and covering of the geosynthetic: 2 weeks

VALUE BASE

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.

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.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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, sub-

strates 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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Product Data Sheet
Sikatec SNW 120
August 2018, Version 01.01
020704990010000122

SikatecSNW120-en-GB-(08-2018)-1-1.pdf

