

PRODUCT DATA SHEET

SikaRoof® Felt M-500 F

Non-woven, multicolour needle-punched polypropylene based geotextile



DESCRIPTION

SikaRoof® Felt M-500 F is a multicolour non-woven needle-punched, made of 100% polypropylene (PP).

USES

SikaRoof® Felt M-500 F is a non-woven geotextile, non UV-resistant, used as:

- Levelling layer
- Separation layer
- Protection layer
- Drainage

CHARACTERISTICS / ADVANTAGES

- 100% polypropylene (PP)
- Bitumen resistant
- Non decaying
- Long lifespan
- Ease of application

APPROVALS / CERTIFICATES

CE-marking and Declaration of Performance as non-woven, multicolour needle-punched polypropylene based geotextile, based on 100% polypropylene (PP) according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13252:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13256:2016, EN 13257:2016, EN 13265:2016, based on certificate of factory production control issued by notified factory production control certification body and type testing.

PRODUCT INFORMATION

Composition	Polypropylene
Packaging	SikaRoof® Felt M-500 F rolls are wrapped individually in PE-foil.
Appearance / Colour	Multicolour
Shelf life	5 years from date of production
Storage conditions	Product must be stored in dry conditions and temperatures between +5 °C and +30 °C. Store in a horizontal position. 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.
Length	50 m (±2 %)
Width	2,2 m & 6,6 m (±2 %)
Thickness	4,20 mm (±20 %) With 2kPa load EN ISO 9863

Mass per unit area	500 g/m ² (± 10 %)	EN ISO 9864
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TECHNICAL INFORMATION

Resistance to static puncture	With CBR Test		
	1000 N (-10 %)		EN ISO 12236
Resistance to dynamic perforation	Cone drop Test		
	10,0 mm (± 2)		EN ISO 13433
Resistance to pyramid puncture	400N (-40N)		EN 14574
Tensile strength	Longitudinal	5,0 kN/m (-0,5)	EN ISO 10319
	Transversal	6,0 kN/m (- 0,9)	
Elongation	Longitudinal	100 % (±25 %)	EN ISO 10319
	Transversal	100 % (±25 %)	
Water permeability	Characteristics normal to plane, ViH50	40 l/s m ² (-12)	EN ISO 11058
Opening size	Characteristic opening size O ₉₀	70µm (± 20)	(EN ISO 12956)
Water flow capacity	Water flow in the plane (20 kPa, i=1)	8,0 * 10 ⁻⁶ m ² /s	(EN ISO 12958)

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.

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

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product

data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

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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SikaRoof® Felt M-500 F
August 2020, Version 02.01
020720801000000039

SikaRoofFeltM-500F-en-GR-(08-2020)-2-1.pdf