

PRODUCT DATA SHEET

SikaRoof® Drainage Layer 20L2F

DRAINAGE, FILTRATION AND PROTECTION LAYER FOR GREEN ROOFS

DESCRIPTION

SikaRoof® Drainage Layer 20L2F comprises of a three-dimensional composite polymer drainage core connected to a fleece filter (PP) on both sides.

CHARACTERISTICS / ADVANTAGES

- 3 in 1 product (drainage, protection and filter layer)
- Recyclable

USES

SikaRoof® Drainage Layer 20L2F may only be used by experienced professionals.

- It is used as a drainage, filter and protection layer for flat roof extensive and intensive green roof systems.

PRODUCT INFORMATION

Composition	Drainage core	Polypropylene (PP)	
	Filter fleece	Polypropylene (PP)	
Packaging	Packing unit	4 rolls per pallet (~192 m²)	
Appearance / Colour	Drainage core	black	
	Filter fleece	light grey	
Shelf life	5 years from date of production.		
Storage conditions	Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +30 °C. Do not stack pallets of the product on top of each other, or under pallets of any other materials during transport or storage.		
Surface	structured		
Dimensions	Length	20,00 m (± 0,5)	
	Width	2,40 m (± 0,05)	
	Thickness	20 mm (at 2 kPa)	
Mass per unit area	Drainage core	500 g/m² (± 10 %)	(EN 9864)
	Filter fleece	100 g/m² (± 10 %)	

TECHNICAL INFORMATION

Resistance to Static Puncture	CBR test (geotextile value) 1000 N	(EN ISO 12236)
Tensile Strength	≥ 13,0 kN/m	(EN 10319)
Elongation at Break	≥ 80 %	(EN 10319)
Opening Size	O ₉₀ / 95 µm	(EN 12956)
Water Flow Capacity	Vi _H 50 = 90 l/s·m ²	(EN 11058)
	q=20 kPa	
	i=1	3,30 l/m · s (EN ISO 12958)
	i=0,1	0,85 l/m · s
	i=0,04	0,50 l/m · s
	q=50 kPa	
	i=1	1,00 l/m · s (EN ISO 12958)
	i=0,1	0,22 l/m · s
	i=0,04	0,15 l/m · s
	q=100 kPa	
	i=1	0,25 l/m · s (EN ISO 12958)
	i=0,1	0,05 l/m · s
	i=0,04	0,03 l/m · s

SYSTEMS

System Structure	The following products must be considered for use depending on roof design <ul style="list-style-type: none">▪ Sarnafil® G 410,G 476,TG 66 – types▪ Sikaplan® SGmA▪ SikaBit® PRO P40G -5 PE RT▪ SikaBit® PRO P40 -10 PE RT
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APPLICATION INFORMATION

Ambient Air Temperature	-20 °C min. / +60 °C max.
Substrate Temperature	-30 °C min. / +60 °C max.

APPLICATION INSTRUCTIONS

APPLICATION

Installation procedure

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Fixing method - General

The product is installed by loose laying.
The filter fleece alternately overlaps the drain core on each side by approximately 10 cm. The filter fleece must overlap on one longitudinal and one narrow side. Change-over sections and closing-off sections must be covered with a fleece strip. SikaRoof® Drainage Layer 20L2F must be secured with ballast (soil and plants) immediately after installation.

FURTHER INFORMATION

- Installation instructions: Sarnafil® and Sikaplan® flat roof waterproofing membranes

IMPORTANT CONSIDERATIONS

Installation work must only be carried out by Sika® trained and approved contractors, experienced in this type of application.

- The use of SikaRoof® Drainage Layer 20L2F membrane is limited to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.
- The use of some ancillary products such as adhesives, cleaners and solvents is limited to temperatures above +5 °C. Observe temperature limitations in the appropriate Product Data Sheets.
- Special measures may be compulsory for installation below +5 °C ambient temperature due to safety re-

- quirements in accordance with national regulations.
- Do not use if exposed to permanent UV-light.

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

REGULATION (EC) NO 1907/2006 - REACH

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 this 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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