

PRODUCT DATA SHEET

SikaRoof® Rigid Drainage Layer 20 UK

20mm DRAINAGE BOARD WITH FLEECE

PRODUCT DESCRIPTION

SikaRoof® Rigid Drainage Layer 20 UK is a rigid drainage board manufactured from HDPE. Combined function as a water retention, drainage and filtration layer. Rigid sheet with integrated Polypropylene filter layer. Studded HDPE sheets contains perforations to drain surplus water and high capacity dimples for water retention.

USES

- Green Roof Systems
- Podium Roof Systems
- Inverted Roof Systems

CHARACTERISTICS / ADVANTAGES

- Functions in all green roof and podium roof systems
- Provides drainage, water storage and filtration
- Resistant to root penetration and to chemicals
- Butted together with geo-textile filter fleece overlapping abutments

PRODUCT INFORMATION

Chemical Base	HDPE	Polymer - Cusplate
	PP	Polymer - Textile
Packaging	0.97 x 50m Roll	
Appearance / Colour	Black	
Shelf Life	Unlimited shelf life when stored as per instructions	
Storage Conditions	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions.	
Diameter	Perforations diameter	10mm
	Perforations per m ²	49/m ²
Height	Height to centre of high capacity dimples 20mm	
Thickness	21mm @ 2kPa	EN ISO 9836-1
Unit weight	60kg	

TECHNICAL INFORMATION

Resistance to Static Puncture	2.6 kN	EN ISO 12236		
Compression resistance	115 kPa	EN ISO 25619-2		
Tensile Strength	17kN/m	EN ISO 10319		
Water permeability	100 Litre per (m ² .s)	EN ISO 11058		
Water Absorption	4.0 L/m ²			
Opening size	80µm	EN ISO 12956		
Water flow capacity	Water flow capacity in the plane (rigid/rigid)			
	i=1	i=0.5	i=0.1	(EN ISO 12958)
@ 20 kPa	10.0 L/m ² .s	8.0 L/m ² .s	5.0 L/m ² .s	
@ 100 kPa	9.0 L/m ² .s	6.0 L/m ² .s	3.5 L/m ² .s	
@ 200 kPa	5.0 L/m ² .s	2.0 L/m ² .s	1.0 L/m ² .s	

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.

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 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).

APPLICATION

Installation works should be carried out by suitably trained contractors in strict accordance with the project specification.

SikaRoof® Rigid Drainage Layer 20 UK is loose laid onto the roof surface prior to the installation of the specified substrate, ensuring incorporated geo-textile filter fleece overlaps at abutments

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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.

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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