

PRODUCT DATA SHEET

SikaRoof® Reservoir Board R-58 UK

Pitched Roof Board

PRODUCT DESCRIPTION

SikaRoof® Reservoir Board R-58 UK is used as an anti-slip, drainage and water reservoir panel for pitched green roofs from 15° - approx. 30° roof pitch.

USES

As a drainage, anti-slip and water reservoir element for pitched green roofs with roof pitch up to 30° with an anti-slip effect due to the direct filling of the storage chambers. Vegetation mats are to be laid with stretch-resistant fabric lining from a roof pitch of 15°.

CHARACTERISTICS / ADVANTAGES

- 100% EPS (expanded polystyrene)
- Free from HBCD (flame retardant)
- Shear load: Per structurally effective abutment in flow direction = 7.0 kN
- Drainage according to DIN 4095
- Lightweight
- Delayed guiding of water due to cascade-type spill-way function of the chambers
- Ideal for accurate fitting around roof protrusions and sloping vergeboard connections or chamfers.
- Lateral interlinking and horizontal overlap of boards

PRODUCT INFORMATION

Chemical Base	Expanded Polystyrene (HBCD free)
Packaging	Up to 4 packs of 10 panels on a disposable pallet
Colour	White
Shelf Life	2 Years
Storage Conditions	Products should be stored away from UV in dry conditions and protected from extremes of temperature.
Dimensions	1195 x 725mm (0.87m ² per board) 1165 x 715mm (0.83m ² installed)
Thickness	Approximately 58mm
Weight	Approximately 870g/m ²
Substrate	SikaRoof® Reservoir Board R-58 UK is to be filled with SikaRoof® Substrate Extensive UK. Filling volume of 18 l/m ² . 70 l/m ² corresponds to approximately 40mm over fillings with a compression factor of 1.2.
Compressive Strength	Approximately 100 kN/m ² with 9.5% compression.
Shear Strength	Per structurally effective abutment in flow direction = 7.0 kN

Water flow capacity

i = 0.17 (approx. RP 10°)	1.56 l/(m*s)	(DIN EN ISO 12958)
i = 0.26 (approx. RP 15°)	1.94 l/(m*s)	
i = 0.34 (approx. RP 20°)	2.24 l/(m*s)	
i = 0.42 (approx. RP 25°)	2.53 l/(m*s)	
i = 0.57 (approx. RP 30°)	2.94 l/(m*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 INSTRUCTIONS

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

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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