

PRODUCT DATA SHEET

SikaRoof® Water-Infiltration Reduction Layer

A HIGH PERFORMANCE NON-WOVEN POLYETHYLENE MEMBRANE FOR ROOF SYSTEMS.

PRODUCT DESCRIPTION

High performance non-woven polyethylene membrane.

USES

SikaRoof® Water-Infiltration Reduction Layer is suitable for use on inverted roofs finished with gravel ballast, green roof systems and concrete pavers on appropriate supports. It is intended to minimise the cooling effect associated with rainwater flowing down through the insulation and draining away. It can significantly reduce the insulation thicknesses required to achieve specified U-values.

CHARACTERISTICS / ADVANTAGES

- Excellent water vapour permeability
- Resistant to the passage of liquid water
- Reduces insulation thicknesses required to achieve specified U-values
- Durable – heat and UV stable
- Lightweight
- Easy to handle and install
- Ideal for new build and refurbishment
- Resists mould and bacterial growth, and does not provide food value to vermin

PRODUCT INFORMATION

Packaging

Roll Length (m) 100
Roll Width (m) 3
Thickness (mm) 0.17
Weight (kg/m²) 0.06
Weight per Roll (kg) 20

Shelf Life

Will not expire under normal storage conditions.

Storage Conditions

The polyethylene packaging, which is recyclable, should not be considered adequate for outdoor protection. Ideally, rolls should be stored inside a building. If, however, outdoor storage cannot be avoided, then the rolls should be stored on their sides, on a clean dry surface, and covered with an opaque polythene sheet or weatherproof tarpaulin.

Reaction to Fire

Inverted roofs, when assessed to the British Standard fire test BS 476-3: 2004 can achieve FAA rating or to BS EN 13501-5 European Class BROOF (t4), when the surface finish is either minimum 50 mm gravel ballast or minimum 40 mm paving slabs.

Water Vapour Transimission

Water Vapour Transmission (Sd) 0.01
(BS EN ISO 12572)
Water Penetration

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

SikaRoof® Water-Infiltration Reduction Layer should be loose-laid over the insulation. Where one run of membrane overlaps another, there should be minimum 300 mm side and end laps. Upper layers of the membrane should be laid over lower layers to ensure water penetration is minimised. At junctions, e.g. upstands, parapets and penetrations, SikaRoof® Water-Infiltration Reduction Layer should be turned up to finish above the surface of the ballast layer. SikaRoof® Water-Infiltration Reduction Layer should be star-cut and dressed down at drainage outlets. SikaRoof® Water-Infiltration Reduction Layer should be turned up at the edges of the roof insulation and sealed under the flashing. All roofs should be designed that they avoid standing water.

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

LEGAL NOTES

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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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