

PRODUCT DATA SHEET

SikaRoof® Liquid Membrane

A ready to use, polyurethane liquid waterproofing membrane for roofs

PRODUCT DESCRIPTION

SikaRoof® Liquid Membrane is a cold-applied, one-component polyurethane waterproofing system. It forms a seamless, permanently flexible membrane that protects against water ingress. SikaRoof® Liquid Membrane becomes shower resistant in just 10 minutes and cures reliably across a wide range of weather conditions. Suitable for flat and pitched roofs, SikaRoof® Liquid Membrane has excellent adhesion to both porous and non-porous substrates and is suitable for use on new projects, extensions or to refurbish an existing leaky roof.

USES

- Waterproofing flat and pitched roof structures.
- Suitable for new roofs as well as the refurbishment of existing structures.
- Suitable for use on: mortar, brick, stone, fibre cement, roof tiles, asphalt and bituminous coatings.

CHARACTERISTICS / ADVANTAGES

- Suitable for use with both new and old roofs.
- Moisture curing technology – no catalyst required.
- Fast curing – rain resistant after 10 minutes.
- All weather product.
- Ready to use – apply with brush or roller.
- Forms a seamless membrane.
- Can be reinforced with Sikalastic® Fleece-120.
- Easily recoated, no stripping required. Provides cost effective life-cycle extension of failing roofs.
- Vapour permeable – allows substrate to breathe.
- Elastic – retains flexibility even at low temperatures.

PRODUCT INFORMATION

Packaging	7 kg and 21 kg metal tins
Colour	Slate Grey
Shelf Life	12 months from date of manufacture in unopened containers
Storage Conditions	Store upright in original packaging. Keep in a dry, well-ventilated area at 0 °C to +25 °C. Protect from sunlight and frost. Storage temperatures above +25 °C may reduce shelf life.
Density	~1.42 kg/L
Solid content by mass	~80 %
Tensile Strength	Unreinforced with matting: ~4.5 N/mm ² Reinforced with matting: ~8 N/mm ² (ISO 527-3)
External Fire Performance	Broof (t1)
Reaction to Fire	Euroclass E

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.

LIMITATIONS

- Do not apply on substrates with rising moisture.
- Full reinforcement must be used when applying onto asphalt, roofing felt and bituminous coatings as these surfaces may soften after application.
- Reinforce using a suitable reinforcing material such as Sikalastic® Fleece-120.
- Not suitable for permanent water immersion or inverted roof structures.
- Must not be raining during application.
- Do not apply product at temperatures below +5 °C.
- Test adhesion before full application, as priming may be required to some surfaces (e.g. metals, loose/friable cementitious surfaces).
- Not suitable for use on vertical or steeply pitched surfaces.
- On substrates likely to exhibit outgassing, ensure substrate is thoroughly dry and apply during falling ambient and substrate temperatures. If applied during rising temperatures 'pin holing' may occur from rising vapour. In very severe cases, a suitable concrete primer may assist.
- Ensure an adequate site risk assessment has been conducted prior to starting work. Refer to safety datasheet for further guidance.
- May exhibit slight chalking at the surface – do not use run off water in live fish tanks etc.
- This product begins to react with air once opened. Tight fitting lids may become damaged on opening. It should be planned to use all material in one use as resealing for use at a later date is not recommended. Opened and unused material may thicken and produce gas if used at a later time.
- Do not use for indoor applications.
- Do not apply this product close to the air intake of running air conditioning units. Turn off or isolate if necessary.
- Volatile bituminous materials may stain and/or soften below the coating.
- Low melting point bituminous materials may need priming.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

SUBSTRATE PREPARATION

Ensure substrate is in good condition e.g. cracks sealed, sound joints, tiles securely fastened etc. All

timbers used in roof constructions must be suitable for exterior use. Adhere to good building practices in the selection of building materials and design of roof constructions. Make sure any gaps are filled with an appropriate seal.

APPLICATION

SikaRoof® Liquid Membrane can be applied using a soft bristle brush or a solvent resistant roller. If product has settled or separated on opening, stir gently in order to achieve a uniform colour. Do not overmix as this will cause air entrainment. Generally priming is not required (see limitations); for porous or irregular surfaces apply an additional priming coat of 0.25-0.3 L/m². Ensure all surfaces are sound, clean and free from dust and loose friable material prior to application. Protect handrails etc. with tape and/or plastic wrapping prior to application. Roof coatings – At least two coats of 1 mm depth are needed. Allow for the first coat to dry before applying the second coat (6 hours at +20 °C).

Ambient Conditions	Minimum Time Between Coats [^]
+5 °C/ 50 % r.h.	Allow overnight curing
+10 °C/ 50 % r.h.	12 hours
+20 °C/ 50 % r.h.	6 hours
+30 °C/ 50 % r.h.	4 hours

[^]If time between coats is longer than 4 days, clean surface and apply reactivation primer before applying second coat.

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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