

PRODUCT DATA SHEET

Sika® Membrane-1000

Water based, PU modified Bituminous Polymer Elastic Waterproofing Membrane

DESCRIPTION

Sika® Membrane-1000 is a liquid applied, high solids, high performance elastomeric bituminous solution modified with polyurethane. Offering outstanding adhesion properties to both porous and non porous surfaces. Being water based, Sika® Membrane-1000 is non hazardous & environmentally safe, and is designed to act as a replacement for traditional solvent based bitumen based products.

USES

- As water-proofing coat for roofs, bathrooms, kitchens, basements, planters, etc.
- General sealing of porous and concrete surfaces
- Concrete pipe sealing
- Damp coursing
- Sealer coat on curtain walls before cladding
- Protective slip layer coating over key joints and dowel bars
- Timber post protection and wood rot prevention
- Protective coating on underside of tank and metal surfaces in contact with concrete
- The protection of concrete substrates against moisture, salt and chloride attack

CHARACTERISTICS / ADVANTAGES

- Solvent free and non-toxic
- High adhesion properties
- Fast drying properties
- Forms a flexible film
- Excellent water resistance
- Outstanding adhesion properties over a wide range of surfaces
- Can be applied over damp surfaces and green concrete
- 100 % soluble in a wet state

PRODUCT INFORMATION

Chemical Base	PU modified bituminous
Packaging	20 kg per pail
Shelf Life	12 months
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging in cool dry conditions. Protect from direct sunlight and frost.
Colour	Wet film - dark brown Dry film - black

TECHNICAL INFORMATION

Tensile Strength > 0.70 MPa

Elongation at Break > 800 %

APPLICATION INFORMATION

Consumption Approx. 1.65 kg/m²/two coats
(Depending on concrete surface and application method)

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.

LIMITATIONS

- Do not apply to areas when rain is imminent.
- Do not apply over glass or glazed surfaces.
- Not to be used in areas where solvent or petroleum based products may be spilled.
- Not to be used as a waterproof membrane in immersed areas.
- Allow 10 days @ 25 °C & RH 75 % drying period after final application.
- For substrate not fully dried, a moisture barrier primer should be applied prior to the application of Sika® Membrane-1000 if treated area is to be under flood test. For lower temperature & higher humidity, the drying time takes longer.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

VOC DATA

VOC content (ready to use) not exceeding 250 gm/litre
"Type of Regulated Paint under the Air Pollution Control (Volatile Organic Compounds) Regulation of Hong Kong : [Roof Coatings (non-exposed)]"

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry and clean. Rough surfaces are to be evened or filled first and very smooth shiny surfaces should be etched or lightly sanded. Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of application. Surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains. Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

CLEANING OF TOOLS

Clean tools using water while product is still wet.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.



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