

PRODUCT DATA SHEET

Sika® Membrane-2000

POLYMER BASED, ELASTIC WATERPROOFING MEMBRANE

DESCRIPTION

Sika® Membrane-2000 is a single component, liquid applied SBR Latex membrane. It is water based, free of solvents and plasticisers. Sika® Membrane-2000 is flexible and elastomeric, and displays outstanding waterproofing features with low water vapour transmission properties and the ability to withstand permanently wet conditions without re-emulsification of the cured membrane. Suitable for a wide range of waterproofing and vapour proofing applications, external and internal areas.

It is designed for waterproofing wet areas, showers, laundries, roofs, terraces, balconies, decks, concrete slabs and general structures that will be covered over with toppings, tile beds or overlay finishes.

USES

- Under screeds (or above screeds) to provide a damp proof membrane
- Can be used under render, plaster or tiles as a water barrier or vapour barrier
- As waterproof membrane on inverted roofs, roof gardens, polystyrene sheet insulation roofs
- As secondary protection under tiles in wet areas e.g. bathrooms, food processing areas, balconies etc
- As gas barrier to minimize methane transmission and other vapours

CHARACTERISTICS / ADVANTAGES

- Good bond to many substrates including damp substrates
- Can be applied onto alkaline substrates
- Single pack system, easy to use
- Non-toxic, non hazardous, solvent and plasticiser free
- Resistant to silage acids
- Non-staining and stain blocking
- Tough, highly flexible and elastic with excellent crack bridging performance

PRODUCT INFORMATION

Chemical Base	Styrene-butadiene copolymer
Packaging	25 kg per pail
Colour	Black
Shelf Life	12 months from the date of production
Storage Conditions	Stored properly in undamaged and unopened original sealed packaging in cool dry conditions. Protect from direct sunlight and frost.
Density	Approx. 1.30 kg/litre
Solid Content	Solid Content > 70%
Volatile Organic Compound (VOC) Content	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)]"
Product Declaration	Adhesion to concrete (primed) 1.25 MPa

TECHNICAL INFORMATION

Shore A Hardness	68
Tensile Strength	> 1.1 MPa
Elongation at Break	> 350 %
Water Vapour Transimission	Approx. 0.53 g /24h /m ²

APPLICATION INFORMATION

Ambient Air Temperature	min. +7 °C
Substrate Temperature	min. +7 °C
Dew Point	Beware of condensation!

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Sika® Membrane-2000 can be applied over:

- Concrete, render and masonry
- Aerated concrete panels and blocks

It is recommended to check adhesion to the substrates by testing on a sample area before starting any job. All substrates must be structurally sound, stable and clean (compressive strength : minimum 25 N/mm² and cohesive strength : minimum 1.5 N/mm²). Smooth shiny surfaces are to be roughened or etched. Rough surfaces are to be evened or filled first. All surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes, release agents, wax residues, laitance, algae and moss, oils, etc.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

Priming

On very absorbent surfaces, a primer coat diluted with 10 % water may be applied at 0.3 kg/m². Care should be taken to ensure the required membrane final dry film thickness is achieved.

MIXING

Prior to application, stir Sika® Membrane-2000 thoroughly for 3 minutes in order to achieve a homogeneous mixture.

APPLICATION

Sika® Membrane-2000 can be applied by brush, roller or airless spray directly onto the clean substrate. Apply subsequent coats at different directions to the previous coat coverage is dependent upon surface condition and will vary according to surface's evenness and porosity.

Consumption / Coverage

A minimum 2 coats at wet film thickness of 0.8 mm per coat is required to provide a vapour barrier. (This is equivalent to approximately 1.5 Litres/m²)

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

LIMITATIONS

- Do not apply at ambient and substrate temperatures less than 7 °C
- Do not thin with solvents
- In a liquid form, the product should not be washed into drains and waterways
- Not to be used as trafficable surface
- Do not apply to areas when rain is imminent
- Not to be used in areas where solvent or petroleum based products may be spilled
- Allow 7-10 days curing time before carry out flood test. For lower temperature and higher humidity, the drying time takes longer
- Flood test : < 24hours
- For substrate not fully dry, a moisture barrier primer should be applied prior to the application of Sika® Membrane-2000

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.

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

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.

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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