

SikaProof Membrane

One Component Elastic Waterproofing Cold Applied Liquid Membrane

Description SikaProof Membrane is an one component water bases flexible polymer modified acrylic bitumen waterproofing emulsion cold applied liquid membrane

Uses

- Below grade waterproofing of concrete and masonry surface
- Basements etc.
- Concrete roof waterproofing
- Underground roof slabs of tunnel
- Planter boxes and gutters

Advantages

- Single-component, ready to use.
- Easily applied by spray roller or brush.
- Fast curing to a durable, flexible coating.
- Excellent adhesive and elongation properties.
- Designed to be used on new and existing structures.
- Contains no solvents.
- Can be applied on slightly damp concrete.

Coverage

- 1.2 kg/m²

The required amount will depend on the type of structures. Three or four coats are generally necessary.

Instruction for Use

Surface Preparation The concrete substrate must be clean, sound, free from any surface contaminants i.e. grease, wax based curing compound, oil, dirt, dust and surface laitance.

Priming Prime the prepared surface with a mixture of 1 part of SikaProof Membrane and 2 parts of water at the rate of 0.2 litre/m² (of undiluted product) and allow to dry.

Application

Concrete Roof Waterproofing System

- On the dry priming coat, apply by brush, roller or spray the 1st coat of SikaProof Membrane at the rate of 0.4 ltr. /m² and allow to dry.
- Apply the 2nd coat at the same rate.
- Lay SikaLastic[®] Fleece -120 inon the wet 2nd coat of SikaProof Membrane.
- SikaProof Membrane 3rd coat is applied at the rate of 0.6 ltr./m² and allowed to dry.
- Finally SikaProof Membrane 4th coat is applied at the rate of 0.4 ltr./m² and allowed to dry.

Construction



General Waterproofing System

The system consists of :

- SikaProof Membrane primer, which is a mixture of 1 part of material and 2 volume of water is applied at the rate of application is 0.2 ltr./m² of SikaProof Membrane.
- 3 coats of SikaProof Membrane are applied at the rate of 0.4 ltr./m²/ each coat. Allow the coat to dry between applications.

Treatments of cracked surface and construction joint

- We recommend that a sealant, such as Igas Black to be used to seal the cracks and construction joint prior to apply SikaProof Membrane.
- The use of SikaLastic® Fleece -120 can be advisable as well. Please consult our Technical Department for details.

Protection of Waterproofing System

- A cement and sand screed (generally. 30 mm. thick) shall be applied on to the SikaProof Membrane where mechanical damage during subsequent construction work or when in service is anticipated.

Technical Data

Color	Black (once Dry)
Density	≈ 1 kg./litre
Dry Time (Touch Dry)	1-2 hours
Storage	Store in shade under house conditions and keep away from sources of heat. Not below 5°C, protected from high temperature. Storage must be carefully controlled as all last systems may coagulate in high temperatures.
Shelf life	6 months in original, unopened container.
Packaging	20 Kg. pail
Crack Bridging property (Tested at -1°C)	Hairline cracks. (unreinforced)
Safety and Handling Instructions	SikaProof Membrane is not a hazardous product. In case of contact with eyes , flush immediately with water and contact a physician. Clean hands and tools with water when wet or strong solvents when dry.
Limitation	<ul style="list-style-type: none"> ■ Not to be used as a traffic bearing surface. ■ Do not thin with solvents. ■ Application temperature 5°C - 50°C .

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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