

Sika Raintite® Liquid Membrane Waterproofing System

Product Description	Sika Raintite® is a high flexible acrylic emulsion liquid applied, to offer a simple method for waterproofing and vapour proofing for many applications and different substrates.
Uses	<ul style="list-style-type: none"> ■ Floors, under or above screeds to provide a damp proof membrane. ■ Roofs, as the main waterproofing on concrete or existing tiles. ■ PU Foam, steel and wood substrates. ■ Bathrooms and wet areas. ■ Food processing areas. ■ Balconies, flower boxes.
Advantages	<ul style="list-style-type: none"> ■ Single pack system. ■ Water based compounds that can be applied even to damp backgrounds. ■ High flexibility, extensibility and good crack bridging properties. ■ Non toxic, non hazardous, solvent and plasticizer free. ■ Quick drying. Typically touch dry in 1 hour. ■ Good bonding to many substrates such as concrete, Blaster, brick and steel.
Approval / Standard	Sika Raintite has been tested as per SCAQMD Rule 1168. Method 304-91 Result: VOC Content < 50 g/L
Product Data	
Form	Based on advanced styrene acrylic with filler, pigments and film control agents.
Colour	White and grey are standard colours Other colours available as request
Packaging	10 kg and 20 Kg
Storage	Store protected from direct sunlight and frost at temperature between 5°-35° C
Shelf life	12 months in unopened original container.
Technical Data	
Density	1.30 kg/l
Solid Content	60% ± 2
pH Value	8.5 ± 1
Water Vapour permeability (BS 3177)	< 4 g/m ² /24hours for DFT of 600 microns at 25 °C/ 75% rh
Resistance to water Pressure	0.10 N/mm ² (Positive head pressure) for DFT of 600 microns at 23 °C/ 50% rh
Bond strength	On concrete: 1 - 1.5 N/mm ² (or concrete failure) typical pull-off results after 14 days air-drying
Tensile Strength at Break	4 N/mm ² After 21days at 23°C/50% rh
Elongation	300% After 21days at 23°C/50% rh



Application

Coverage	<ul style="list-style-type: none"> ■ For small and moderate areas : 0.8 – 1.0 kg / m² (3 coats) ■ For medium areas (with fibre fabric mesh reinforcement) 1.2–1.4 kg/m² (3 coats) ■ For PU Foam and steel from 300 – 400 gm/m² (180 microns DFT)
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Surface Preparation	All surfaces must be clean, sound and properly cured. Remove all loose materials mechanically, preferably with wire brush. Insure the joints between tiles are properly filled with good cemented paste.
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Application	<p><u>Step 1</u> Apply Sika Raintite® diluted with 10% water by brush or roller.(primer coat)</p> <p><u>Step 2</u> Apply a generous coat of Sika Raintite® into the primer coat. (base coat)</p> <p><u>Step 3</u> (case of large area) Embed the fiber mesh into the base coat while it is still wet. Insure that the fiber mesh is thoroughly embedded and smooth out all air buckets. Overlaps of adjacent membrane must be of minimum of 50 mm.</p> <p><u>Step 4</u> When touch dry, apply a final topcoat mixed with Sikadur 508 (10 –15 % by weight) to complete the application.</p>
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Important Notes	<ul style="list-style-type: none"> ■ Minimum substrat temperature : + 7 °C ■ Waiting times between coats: minimum 1 hour and maximum 24 hours. ■ To minimise the risk of blistering, avoid application of product in or shortly prior to strong sunlight. ■ Fiber fabric reinforcement recommended is 0.50 mm made from polypropylene or polyester. ■ Final drying 6-7 days.
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Safety Instructions

Ecology	Don't dispose of into water or soil but according to local regulations.
Transport	Non-hazardous
Safety Precautions	Contact with skin, eyes or mucous membrane may cause irritation. Wear gloves and goggles.
Toxicity	Non-toxic under relevant health and safety codes.

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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