

PRODUCT DATA SHEET

Sika® RainTite I

Acrylic based multipurpose polymer for repair and waterproofing

DESCRIPTION

Sika® RainTite I is a multifunctional polymer emulsion for enhancing the properties of mortar/concrete/grout/cement slurry. It provides a good adhesion, water resistance and improvement of several other properties.

USES

- Waterproofing of roof slab, sunken slabs, basements, water tanks, sunshades, parapet walls, external walls etc.
- As a bonding agent for uses in repair and plastering
- For making polymer mortar for repairs mortars, floor screeds etc.
- For treatment for leaching and salt petre action
- As a multipurpose mortar admixture for injection grouts
- Additives to cement based paints for waterproofing

FEATURES

- Improved impermeability against water ingress
- Extremely good bonding to moist substrates, extremely improved mechanical, flexural strength and abrasion resistance properties
- UV resistant & suitable for external coating
- When used as an additive to cement based paint improves impermeability, water repellence and anti fungal property of the painted surface (site trials are always advised before application for shade variations, if any)
- Sika® RainTite I can be diluted with water (1 : Nil to 1 : 4) depending on the type of application
- Screed required with Sikacim®/ Sika® Plastocrete Super to protect waterproofing layer

PRODUCT INFORMATION

Composition	Acrylic copolymer and special additives
Packaging	500g, 1kg, 5kg, 10kg and 20 kg
Colour	Milky white liquid
Shelf life	18 months from date of production if stored in undamaged and unopened, original sealed pack.
Storage conditions	Store in dry conditions and protected from direct sunlight. Protect from frost.
Density	~ 1.03 kg/l at 27 °C

TECHNICAL INFORMATION

Tensile adhesion strength	>1.5 N/mm ²	(EN 1542)
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APPLICATION INFORMATION

Mixing ratio	Application	Ratio : Sika® RainTite I: Water: Cement	Dilution in Water	Consumption
	Waterproof Coating	1 : 0 : 2	Nil	0.4 kg/m ² for two coats
	Cement Slurry/ Bond	1 : 2 : 3	1 : 2	0.2 kg/m ² for single coat
	Mortar	--	1 : 4	0.16 kg/ kg Cement
	Concrete	--	1 : 4	0.12 kg/kg Cement
	Additive to Cement Paint	--	--	2.5 kg/25 kg Cement Paint
Ambient air temperature	< 35°C			
Substrate temperature	< 35°C			
Drying time	2-3 hours depending upon ambient conditions			

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.

IMPORTANT CONSIDERATIONS

- Ambient and surface temperatures must be below 35°C during application
- Do not attempt application if rain is imminent
- Avoid ponding water on top of Sika® RainTite I
- Minimum slope for Roof application (with Sika® Fab1) should be 3 %

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Substrate must be clean, dry, homogeneous, free from oils & grease, dust & loose or friable particles, paint, cement laitance, old coatings and any other contaminants. Also remember the cementitious substrates should be pre-saturated surface dry with clean water.

MIXING

Refer to the table above of Mixing ratio and always add powder to liquid for all applications.

APPLICATION

Concrete, mortar, slurry should be prepared by using Sika® RainTite I enriched water and to be applied within 20-30 minutes of preparation. In case of bond coat subsequent mortar or concrete to be applied when bond coat is fresh & tacky.

Screed required with Sikacim®/ Sika® Plastocrete Super to protect waterproofing layer.

Standard coating system can be further reinforced by placing Sika® Fab1 fabric layer in between 1st and the 2nd coat.

When Sika® RainTite I is used as an additive to cement based paints it is recommended that the same should be done for preferably light shades only. However, pre-test for consistency of colour shade is recommended through site trials before application.

CLEANING OF EQUIPMENT

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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.

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Product Data Sheet

Sika® RainTite I
December 2025, Version 02.01
020705040010000071

SikaRainTiteI-en-BD-(12-2025)-2-1.pdf

