

Product Data Sheet
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 Sika® Raintite I

Sika® Raintite I

Acrylic based multipurpose polymer for repair and waterproofing

Product Description	Sika® Raintite I is a multifunctional polymer emulsion for enhancing the properties of mortar/ concrete / grout/ cement slurry providing good adhesion, water resistance and improvement of several other properties.
Uses	<ul style="list-style-type: none"> ■ Waterproofing of roof slabs, sunken slabs, basements, water tanks, sunshades, etc. ■ As a bonding agent for uses in repair and plastering ■ For making polymer mortar for repairs mortars etc. ■ Treatment for leaching and salt petre action ■ Multipurpose mortar admixture for injection grouts ■ Additive to cement based paints for waterproofing
Characteristics / Advantages	<ul style="list-style-type: none"> ■ 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 repellency 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 Data

Form

Appearance / Colour	Milky white liquid
Packaging	250g, 500g, 1kg, 5kg, 10kg and 20kg.

Storage

Storage Conditions / Shelf Life	12 months from date of production if stored in undamaged and unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.
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Technical Data

Chemical Base	Acrylic copolymer and special additives
Density	~ 1.03 kg/l at 27°C
Polymer Content	~ 28.0 % by weight



System Information

Application Details

Consumption

For details on consumption refer to the table below.

Application	Sika® Raintite I :Water: Cement	Dilution in Water	Application Area	Coverage
Waterproof Coating	1:Nil:2	No dilution	Waterproofing Coating	50% by weight of cement
Cement Slurry / Bond	1:2:3	1:2	Bonding Coat	33% by weight of cement
Mortar (1:4)	-	1:4	Polymer Repair Mortar	16 % by weight of cement
Concrete (1:2:4)	-	1:4	Repair Concrete & Screed	12 % by weight of cement
Additive to cement based paint(upto 10% by weight of cement paint)	-	1:4	External coating for buildings(For light shades)	10 % by weight of cement

Substrate Quality

Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles, paint, cement laitance, old coatings and any other contaminants.

Substrate Preparation

Cementitious substrates should be pre-saturated surface dry with clean water.

Application Instructions

Mixing

Sika® Raintite I: Water- 1:Nil to 1:4 by volume depending on the type of application

Cleaning of Tools

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

Notes on Application / Limitations

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® Fab 1 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.

Value Base

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.

Health and Safety Information

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 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.



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