

# PRODUCT DATA SHEET

## SikaLatex®

### BONDING AGENT AND WATER PROOFING ADMIXTURE

#### DESCRIPTION

SikaLatex® is a synthetic rubber emulsion that is used as admixture for cementitious bonding bridges and high quality site-mix mortars.

#### USES

SikaLatex® is used as bonding agent and site-mix mortar admixture for the following applications:

- Thin layer patching mortars
- Floor screeds
- Renders
- Concrete repair mortars
- Abrasion resistant linings
- Tile fixing mortars
- Masonry mortars

#### CHARACTERISTICS / ADVANTAGES

The main advantages of SikaLatex® are:

- Extremely good adhesion
- Reduced shrinkage
- Greater elasticity
- Excellent water resistance
- Increased abrasion resistance
- Improved chemical resistance
- Non-toxic
- User Friendly

#### PRODUCT INFORMATION

<b>Composition</b>	Styrene butadiene rubber emulsion
<b>Packaging</b>	5 Lit Pail / 25 Lit Pail / 200 Lit PE Drum
<b>Appearance / Colour</b>	White liquid
<b>Shelf life</b>	12 months
<b>Storage conditions</b>	Store properly in undamaged original sealed packaging, in dry cool conditions at temperatures between 5 °C and 30 °C. Protect from direct sunlight, frost and contamination.
<b>Density</b>	0.997-1.037 kg/l
<b>pH-Value</b>	8.0 - 9.5
<b>Total Chloride Ion Content</b>	≤ 0.1 %

## APPLICATION INSTRUCTIONS

### Surface Preparation

Concrete surfaces should be clean, sound and free from oil grease, cement laiance and all loosely adhering particles. Absorbent surfaces should be saturated throughly but no ponding.

### Materials

Aggregates should be well graded and throughly washed. Sand particle shizes should correspond to the thickness of mortar to be applied and required surface finish.

- Up to 2 mm thick 0-0.5 mm
- 2-5 mm 0-1.0 mm
- 5-15 mm 0-3.0 mm
- over 15 mm 0-6.0 mm

### 1. Bonding coat for rendering/ Bonding between old and new concrete.

**Solution:** SikaLatex® : Water = 1 : 1 (By Volume)

**Dry Mix:** Cement : Fine Sand = 1 : 1 of Cement only (By Volume)

**Application:** Add the dry sand and cement mixture to the Latex Water Solution and mix until as even creamy consistency is achieved. Apply the Latex slurry to the prewetted substrate in 1-2 mm thickness and place new concrete or mortar rendeimmediately.

### 2. Repair Mortar

**Solution:** SikaLatex® : Water = 1 : 1 (By Volume) ,  
For coat under 10 mm.

SikaLatex® : Water = 1 : 2 (By Volume) ,  
For coat above 10 mm.

**Dry Mix:** Cement : Sand vary from 1 : 1 (to) 1 : 3 (By Volume)

**Granular Size:** Fine (or) coarse sand depend on layer thickness

**Consumption:** 0.7-2.3 kg/m<sup>2</sup> per cm thickness

### 3.Floor Screeds, Intermediate coat for water resistant

**Solution:** SikaLatex® : Water = 1 : 1 (to) 1 : 3 (By Volume) , depend on wearing resistance requirement.

**Dry Mix:** Cement : Sand = 1 : 2 (to) 1 : 3 (By Volume)

**Granular Size:** Coarse sand (0-max 6 mm) according coat thickness

**Consumption:** 0.4-1.9 kg/m<sup>2</sup> per cm thickness

### Important Recommendation

1. Never sue SikaLatex® and water as a bonding coat without adding cement (and fine sand).
2. Proper curing mentod is needed.
3. Always prewet the absorbent substrate but no ponding.
4. Multi-lay work always wet on wet.

### Cleaning

Clean all tools and equipment with clean water immediately after use.

## LIMITATIONS

Never use pure SikaLatex® or SikaLatex®-water mix directly onto the substrate as bonding bridge, always add cement and sand to the mix.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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.

## 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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