

Product Data Sheet

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Sika® Latex

Sika® Latex**Bonding agent and waterproofing admixture**

Description	Sika® Latex is a modified styrene butadiene emulsion to be mixed with cement (neat) or cement/ sand mortar for improved adhesion and water resistant properties.
Uses	<p>Sika® Latex is a high quality emulsion that substantially increases the qualities of cement mortars, such as:</p> <ul style="list-style-type: none">■ Bonding slurry■ Thin layer patching mortars■ Waterproofing renders■ Floor screeds■ Concrete repair mortar■ Abrasion resistant linings■ Tile fixing mortars■ Masonry mortars
Advantages	<p>Sika® Latex provides the following beneficial properties to mortar:</p> <ul style="list-style-type: none">■ Extremely good adhesion■ Reduced shrinkage■ Greater elasticity■ Excellent water resistance■ Improved chemical abrasion resistance■ Non toxic■ Sika® Latex does not reemulsify, even in high alkaline conditions■ Suitable for used in cement mortar in contact with potable water■ High strength floor screeds■ For filling and patching mortars that require thin layer finishing■ Improved flexibility and resistance to cracking■ As a bonding agent for renderings, for wear resistant floor toppings in water treatment plants, sewage systems



Product Data

Form / Colour	Liquid / White
Packaging	5/ 25/ 200 ltr drum
Storage	Dry, cool, shaded place
Shelf life	Min. 6 months if stored properly in unopened, original packaging.

Technical Data

Base	Styrene butadiene rubber emulsion
Specific gravity	~ 1.02

Application

Surface preparation

Surface preparation:

Concrete surface should be clean, sound, free from oil, grease, cement laitance and all loosely adhering particles.

Absorbent surfaces should be saturated thoroughly but no standing water.

Materials :

Aggregates should be well graded and thoroughly washed. Sand particles sizes should correspond to the thickness of mortar to be applied and required surface finish.

Application thickness	Grain size diameter
Up to 2 mm thick	Up to 0.5 mm
2-5 mm	Up to 1.0 mm
5-20 mm	Up to 3.0 mm
Over 20mm	Up to 6.0 mm

Use and application

1. Bonding agent for rendering / Bonding between old and new concrete

■ **Mixing ratio:**

1 ltr Latex + 1 ltr water + 4 kg cement = slurry consistency.

The above slurry covers approx. 4 m²

■ **Application :**

Add cement to the Latex-water premix and mix until an even, creamy consistency is achieved. Apply the Latex slurry onto the prewetted substrate in 1-2 mm thickness and place new concrete or mortar render immediately (wet-on-wet application).

2. Floor screeds/renders :

■ **Mixing ratio:**

Cement : sand = 1 : 2.5 - 3 (parts by weight, sand in S.S.D condition)

Cement : sand = 1 : 3 - 3.7 (parts by volume, sand in S.S.D condition)

Adjust consistency with a mixture of water and Sika® Latex, by using a ratio of Sika® Latex : water = 1 : 3.

■ **Application:**

Apply the Sika® Latex mortar when the Sika® Latex bonding slurry is still wet.

Notes on application / limits

- Never use Sika Latex and water as a bonding coat without adding cement.
- In warm or windy weather, the use of standard curing method is necessary to prevent premature drying out of mortar.
- Always pre-wet the absorbent substrate but no standing water.
- In case of multi-layer application, always work wet-on-wet.
- In case of use in permanently wet structure (swimming pool, e.t.c) allow Sika Latex mortar to cure for min. 1 week before the structure is put into service or before it is immersed permanently under water.

Cleaning

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

Health and Safety Information

Ecology

Do not dispose into water or soil.

Transportation

Non-hazardous

Waste disposal

According to local law

Important notes

Sika® Latex may cause irritation. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes or mucous membrane, rinse immediately with clean water and seek medical attention.

Disclaimer

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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