

PRODUCT DATA SHEET

SikaLatex[®] SBR LB

SBR BASED MULTIPURPOSE POLYMER FOR WATERPROOFING AND REPAIR

DESCRIPTION

SikaLatex[®] SBR LB is a synthetic rubber emulsion which when added to cement slurry / cement mortar / concrete provides good adhesion. It comes in the form of a milky liquid. It is fully soluble in water and is to be added directly to the gauging water of slurry / mortar / concrete.

USES

SikaLatex[®] SBR LB is a cost effective emulsion that increases the quality of cement slurry / cement mortar / concrete / cementitious grout.

The scope of application are as follows:

- As a bonding agent for uses in repair and plastering
- Bonds rendering and coating layers
- Bonding between successive concrete casts by incorporating SikaLatex[®] SBR into bonding mortar
- For making polymer mortar for repairs
- Ensures high wear resistance against erosion

CHARACTERISTICS / ADVANTAGES

- Adhesion to most substrates
- Improves elasticity, flexibility and tensile strength of cement and reduces cracking in mortar and concrete
- Economical, easy to use and non-toxic
- Reduces cracking, improves surface hardening, limits wear and dust production

PRODUCT INFORMATION

Chemical Base	Styrene butadiene rubber emulsion
Packaging	1000kg IBC , 20Kg Pails
Appearance / Colour	White milky liquid
Shelf Life	12 months from date of production
Storage Conditions	Store in undamaged and unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.
Density	~ 1.002 ± 0.02 kg/L
pH-Value	7 ± 1

APPLICATION INFORMATION

Consumption	Bonding bridge	SikaLatex® SBR LB: water = 3 : 1
	Mortar	SikaLatex® SBR LB: water = 4 : 1

Please consult Sika® Technical Service team for consumption and mixing ratio information for other applications not covered in consumption table.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate shall be thoroughly clean, homogeneous, free from oils and grease. Dust, loose or friable particles, rust, scale, paint, cement laitance, old coatings and any other contaminants or deleterious materials which reduces bond or contributes to corrosion shall be removed.

De-laminated, weak, damaged and deteriorated substrate shall be removed by suitable means before application.

Smooth substrates must be mechanically roughened to provide an adequate key.

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

MIXING

Mixing of SikaLatex® SBR LB to cement should preferably be done manually by volume as per the table. When a concrete-mixer is used, pour the mortar as soon as its consistency is cohesive. Do not run the mixer too long.

When a waterproofing slurry or bonding coat is to be prepared, cement is to be added in the polymer for getting consistent mixture.

APPLICATION METHOD / TOOLS

Using a stiff clean brush work the mix vigorously onto the substrate, forming a thin layer filling all unevenness, pits and pores. Always apply following layer of mortar "wet on wet" onto bonding bridge.

CURING TREATMENT

It is recommended to cover the surface with a polyethylene film, use wet burlap/hessian cloth or water misting or apply Sika Antisol® curing compound. Cure for 3–5 days. Not to be ponded with water. During adverse weather conditions (high temperatures, low relative humidity, wind, sun etc.) take particular care with curing treatment.

CLEANING OF TOOLS

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

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LIMITATIONS

- Avoid application in direct sun and/or strong wind.
- Apply only to sound, prepared substrates.
- Protect freshly applied material from rain etc.

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.

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.

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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