

PRODUCT DATA SHEET

SikaLatex®

Water resistant bonding agent and mortar admixture

DESCRIPTION

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

USES

SikaLatex® is used as bonding agent and mortar admixture for applications like:

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

CHARACTERISTICS / ADVANTAGES

The benefits of SikaLatex® include, but are not limited to the following:

- Increases adhesion
- Reduces shrinkage and cracking
- Increases abrasion resistance
- Reduces permeability
- Improves workability
- Easy to mix and to dose
- Works on different substrates
- Non-toxic, non-flamable and non-corrosive

PRODUCT INFORMATION

Chemical Base	Styrene butadiene emulsion
Packaging	5, 25 and 200 litre Containers
Appearance / Colour	Milky white liquid
Shelf Life	12 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage Conditions	Storage at temperatures between 5 °C and 30 °C. Protect from direct sunlight, frost and contamination.
Density	~1.0 g/cm ³
pH-Value	~8.0

APPLICATION INFORMATION

Recommended Dosage	Added to the mixing water within the range 1:1 to 1:4 depending on application.
Ambient Air Temperature	Min. 5°C – Max. 35°C
Substrate Temperature	Min. 5°C – Max. 30°C

APPLICATION INSTRUCTIONS

Bonding Bridge:

Mix SikaLatex® with water to produce a gauging solution in the correct ratio. Add gauging solution to cement-aggregate mix until desired consistency is achieved. The prepared substrate should be thoroughly soaked with clean water until uniformly saturated leaving no standing water. Work mix vigorously with a stiff brush onto pre-dampened substrate. Always apply screeds / render / mortars “wet on wet” onto bonding bridge.

Cement : Sand : Liquid (1 part SikaLatex® + part water) = 1 : 1 : 1 (by volume) or

Cement : Sand : Liquid (1 part SikaLatex® + part water) = 1.5 : 2 : 1 (by weight)

Apply the slurry onto the pre-wetted substrate in 1-2mm thickness and apply the subsequent mortar renders immediately (wet onto wet application).

Mortar Admixture:

PC	50kg	50kg	50kg
Sand	125 kg	125 kg	125 kg
SikaLatex®	7 ltr	9 ltr	7-9 ltr
Water	12 ltr	9 ltr	9 ltr
Admixture	-	-	2 ltr Sika Rapid-2
Yield	~ 90 ltr	~90 ltr	~100ltr

Up to 25 kg of Sikadur Aggregates should be added where the thickness per layer exceeds 12mm

Aggregate Grading:

Thickness/Application	Grading
<2mm	0 - 0.5mm
2 - 10mm	0 - 1.0mm
10 - 25mm	0 - 2.3mm
>25mm	0 - 5.0mm

Flooring, Adhesives and Grouting Mortars

Mix	Heavy Duty floor, patch repair	Adhesive mortar	SBR grout
Portland Cement	50kg	50kg	50kg
Sand	75kg	125kg	125kg
Aggregate	75kg (2.3-5mm)	-	-
SikaLatex®	4-6ltr	9ltr	7-9ltr
Water	12ltr	9ltr	7-9ltr
Others	-	-	0.25kg Intra-plast Z
Yield	~100ltr	~90ltr	~95ltr

Important Note

- The above mixes are for guidance and based on the

use of sharp, well graded aggregates and dry sand. Trials with the materials to be used are recommended.

- For optimum results, always ensure that the correct SikaLatex® : Water ratio is used as shown in the tables above
- Depending on the application and performance required, SikaLatex® may be added to the clean mixing water within the range of 1:1 to 1:4

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surfaces should be clean, sound and free from oil, grease, or other surface contaminants. Remove cement laitance and all loosely adhering particles using suitable mechanical means. Absorbent surfaces should be saturated thoroughly with water. Remove all standing water.

APPLICATION METHOD / TOOLS

SikaLatex® is generally added to the clean mixing water within the range 1:1 to 1:4. For all applications, apart from sprayed on renders, a bonding coat of SikaLatex® water 1:1 mixed with fresh cement, should be brushed into the prepared surface. Subsequently, mortar application must be carried out whilst the bonding coat is still wet.

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August 2020, Version 01.03
020301010010000001

LIMITATIONS

Never use neat SikaLatex® or SikaLatex®-water mix as bonding bridge, always add cement and sand.

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika South Africa (Pty) Ltd

9 Hocking Place,
Westmead, 3608
South Africa
Phone +27 31 792 6500
www.sika.co.za



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SikaLatex-en-ZA-(08-2020)-1-3.pdf