

PRODUCT DATA SHEET

SikaLatex[®]-IQ

Water resistant , SBR bonding agent and mortar admixture

DESCRIPTION

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

USES

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

- 1- Grouts and screeds .
- 2- Patch repair mortars .
- 3- Masonry mortars .
- 4- Renders .
- 5- Tile adhesives .
- 6- Bonding mortar between old and new Concrete .

CHARACTERISTICS / ADVANTAGES

The main advantages of SikaLatex[®]-IQ are:

- 1- Increased adhesion .
- 2- Reduced shrinkage and cracking .
- 3- Increased abrasion resistance .
- 4- Reduced permeability .
- 5- Improved workability .
- 6- User friendly .
- 7- Suitable on most common construction substrates .
- 8- Excellent water resistance .

PRODUCT INFORMATION

Composition	Styrene butadiene emulsion (SBR)
Packaging	4 Kg Pail 20 Kg Pail 1000 Kgs IBC
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	In dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight. It requires recirculation when held in storage for extended periods.
Appearance and colour	White liquid
Density	1.010 ± (0.01) g/cm ³
pH-Value	6.5 - 8.5

APPLICATION INFORMATION

Recommended dosage	<u>1. Bonding Bridge</u> Cement : Quartz Sand : Liquid (1 part SikaLatex [®] + 1 part Water) = 1 : 1 : 1 (by volume)
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or,

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

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

2. Repair Mortars

Portland cement	50 kg	50 kg
Quartz Sand	125 kg (+25 kg)	125 kg (+25 kg)
SikaLatex®	7 L	9 L
Water	12 L	9 L
Yield	Approx. 90 L	Approx. 90 L

Remarks

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

3. Adhesive Mortars

Mix / Application Adhesive mortar for bonding tiles, slip bricks, coping stones, kerbs, etc

Portland cement	50 kg
Quartz Sand	125 kg
SikaLatex®	9 L
Water	9 L

Yield Approx. 90 L

Remarks

For thin sections use Sikadur aggregate size dependent on layer thickness. Keep water content at a minimum.

The above mixes are for guidance only and based on the use of sharp, well graded aggregates and dry sand. Trial mixes must be performed to establish the exact dosage rate required. For optimum results, always ensure that the correct SikaLatex® : Water ratio is used. Depending on the application and performance required, Sika Latex® may be added to the clean mixing water within the range of 1:1 to 1:4. For all applications apart from sprayed on renders, a bonding bridge should be brushed into the prepared surface.

Layer Thickness	Aggregate Grading	Sika Aggregate
< 2 mm	0.08 - 0.2 mm	Sikadur®-504
2 - 10 mm	0.3 - 0.7 mm	Sikadur®-507
10 - 25 mm	0.1 - 2.3 mm	On request
>25 mm	0.1 - 5.0 mm	On request

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

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.

IMPORTANT CONSIDERATIONS

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

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate shall be thoroughly clean, free from dust, loose material, surface contamination and materials which reduce bond or prevent suction or wetting by cementitious materials. De-laminated, weak, damaged and deteriorated substrate shall be removed by suitable means before application.

Rust, scale, dust and other loose and deleterious materials which reduces bond or contributes to corrosion shall be removed.

MIXING

Mix SikaLatex®-IQ with the correct amount of water to

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produce a gauging solution. Pour part of the gauging solution into a suitable mixing container. While stirring slowly, add the cement-sand mix to the gauging solution and mix thoroughly until a smooth, uniform and lump-free mix is achieved. Within the mixing time add additional gauging solution to adjust to the desired consistency.

APPLICATION METHOD / TOOLS

Bonding Brigde
Thoroughly pre-wet the prepared substrate a recommended 2 hours before application. Keep the surface wet and do not allow to dry. Before application remove excess water e.g. with a clean sponge. The surface shall appear a dark matt appearance without glistening and surface pores and pits shall not contain water. 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

CLEANING OF EQUIPMENT

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

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.

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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