

PRODUCT DATA SHEET

SikaCim[®] Latex

BONDING AGENT

DESCRIPTION

A synthetic rubber emulsion for addition to cement mortars where good adhesion and water resistance are required.

USES

SikaCim[®] Latex is a high quality emulsion which substantially increases the qualities of cement mortars, such as :

- Thin layer patching mortars.
- Rendering.
- Floor screeds.
- Concrete repair mortars.
- Abrasion resistant linings.
- Tile fixing mortars.
- Masonry mortars.
- Bonding agent between old and new concrete.

CHARACTERISTICS / ADVANTAGES

SikaCim[®] Latex is simply added to the mixing water to provide the following beneficial properties :

- Excellent adhesion.
- Reduced shrinkage.
- Greater elasticity.
- Excellent water resistance.
- Increased abrasion resistance.
- Improved chemical resistance.
- Non-toxic.

Notes: SikaCim[®] Latex does not re-emulsify, even in highly alkaline conditions

PRODUCT INFORMATION

Chemical base	Styrene Butadiene Liquid
Packaging	10 x 900 mL, Tray
Appearance / Colour	Liquid / White
Shelf life	12 months from date of production if stored properly in undamaged un-opened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost.
Density	1.01 ± 0.01 kg/L

APPLICATION INFORMATION

Recommended Dosage

Added to the mixing water within the range 1 : 1 – 1 : 4 depending on application.

Consumption figures are given in the table.

W/C Ratio	Latex:Water							
	1 : 1		1 : 2		1 : 3		1 : 4	
1 : 1 *	0.5	0.8	0.5	0.8	0.5	0.8	0.5	0.8
1 : 2 *	2.3	3.0	1.5	2.1	1.1	1.5	0.9	1.2
1 : 3 *	1.4	1.9	0.9	1.3	0.7	1.0	0.6	0.8
1 : 4 *	1.1	1.5	0.7	1.0	0.5	0.8	0.4	0.6

Note :

*Cement/Sand

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

SUBSTRATE QUALITY / PRE-TREATMENT

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

Absorbent surfaces should be saturated thoroughly

Aggregates should be well-graded and thoroughly washed.

Sand particle sizes should correspond to thickness of mortar to be applied and required surface finish.

Thickness

5 - 15 mm

Over 15 mm

Sand Size

0 - 3.0 mm

0 - 7.0 mm

APPLICATION

For all applications a bonding coat of SikaCim® Latex – water 1 : 1 mixed with cement and/or sand should be brushed into the prepared surface.

Subsequent mortar application must be carried out whilst the bonding coat is still wet.

LIMITATIONS

- Renderings, floor toppings should be allowed to cure correctly.
- Avoid excessive air-entrainment through over-mixing
- Do not use SikaCim® Latex as a bonding agent without adding cement.

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

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please 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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