

## PRODUCT DATA SHEET

SikaLatex<sup>®</sup>-4 LK

## WATER-RESISTANT BONDING AGENT AND MORTAR-STRENGTHENING ADDITIVE

## DESCRIPTION

SikaLatex<sup>®</sup> 4 LK is a synthetic rubber emulsion for adding to cement mortars, where good adhesion and water resistance are required. It is suitable for tropical conditions.

## USES

SikaLatex<sup>®</sup> 4 LK is a high quality emulsion that substantially increases the qualities of cement mortars such as:

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

## CHARACTERISTICS / ADVANTAGES

- Extremely good adhesion
- Reduced shrinkage
- Greater elasticity
- Excellent water resistance
- Increased abrasion resistance
- Improved chemical resistance
- Non-corrosive
- Ready for use
- Does not re-emulsify, even in high alkaline conditions

## PRODUCT INFORMATION

|                            |                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|
| Composition                | Styrene Butadiene Latex Emulsion                                                                                |
| Packaging                  | <ul style="list-style-type: none"><li>▪ 1 L pail</li><li>▪ 5 L pail</li><li>▪ 20 L pail</li></ul>               |
| Appearance / Colour        | Milky white liquid                                                                                              |
| Shelf life                 | 12 months from the date of production                                                                           |
| Storage conditions         | Store properly in original, unopened and undamaged packaging in dry conditions. Keep away from direct sunlight. |
| Density                    | 1.01 kg/l ± 0.02                                                                                                |
| Total chloride ion content | Nil                                                                                                             |

# TECHNICAL INFORMATION

## Mortar mix design

SikaLatex® 4LK is generally added to the clean mixing water within the range of 1:1 – 1:2.5 for all applications, apart from sprayed-on renders, where a bonding slurry should be applied. Subsequent mortar application must be carried out while the bonding coat is still wet. Aggregates should be well graded and thoroughly washed. Sand particle sizes should correspond to the thickness of mortar to be applied and required surface finish.

| Mortar Thickness | Aggregate Size |
|------------------|----------------|
| ≤ 2 mm           | 0–0.5 mm       |
| 2–5 mm           | 0–1.0 mm       |
| 5–15 mm          | 0–3.0 mm       |
| > 15 mm          | 0–7.0 mm       |

## 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.

## IMPORTANT CONSIDERATIONS

- Renderings and floor toppings should be allowed to cure correctly
- Avoid excessive air-entrainment through over-mixing
- Never use neat SikaLatex® SP or SikaLatex® 4 LK with water as a bonding agent. Always add cement and sand

## 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

#### SUBSTRATE QUALITY / PRE-TREATMENT

The concrete must be clean, sound and free of all loose and friable material, cement laitance, oil, grease, etc. Absorbent surfaces should be saturated thoroughly.

## APPLICATION METHOD / TOOLS

### Bonding Slurry

SikaLatex® 4 LK : water = 1:1, mixed with fresh cement to a creamy consistency, should be brushed onto the prepared surface.

### High-Performance Render

Mix SikaLatex® 4 LK : water in a 1:1 ratio. Use a maximum of 25 L of this solution in a mix containing 50 kg of cement and 150 kg of sand. This will yield approximately 100 litres of mortar which will cover 10 m<sup>2</sup> to a thickness of 10 mm.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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.

Sika Lanka (Private) Limited

No. 58/12-B  
Raja Mawatha  
Ekala, Ja-Ela  
Sri Lanka



PRODUCT DATA SHEET

SikaLatex®-4 LK

March 2021, Version 01.01  
020301010010000328

SikaLatex-4LK-en-LK-(03-2021)-1-1.pdf

