

PRODUCT DATA SHEET

SikaBond® LA

Water Resistant Bonding Agent

DESCRIPTION

A synthetic rubber emulsion for adding to cementitious mixes where good adhesion and water resistance are required.

Complies to ASTM C-1059-91

USES

SikaBond® LA is a high quality emulsion that substantially increases the qualities of cement mortars, such as:

Thin layer patching mortars.

- Renders.
- Floor screeds.
- Concrete repairs.
- Abrasion resistant linings.
- Tile fixing mortars.
- Masonry mortars.
- Dust proffer.
- For Bonding of old to new concrete.

PRODUCT INFORMATION

Chemical Base	Styrene Butadiene Liquid.
Packaging	5 kg and 20 kg pails 200 kg Drums
Appearance / Colour	White
Shelf Life	12 months when unopened. Store away from direct sun light
Storage Conditions	Free from heat and frost.
Density	1.01 ± 0.01 kg/l.

CHARACTERISTICS / ADVANTAGES

Sika Bond® -LA is a simply added to the mixing water to provide the following beneficial properties:

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

N.B. Sika Bond® -LA does not re-emulsify, even in high alkaline conditions.

APPROVALS / STANDARDS

Sika Bond® -LA has been tested as per SCAQMD Rule 1168.

Result: VOC 0 g/l

Conventional Dry Material Content

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

Up to 2 mm thick 0-0.5 mm.

2 – 5 mm 0-1.0 mm

5 – 15 mm 0-3.5 mm

Over 15 mm. 0-7.0 mm

Over 35 mm 0-20 mm

APPLICATION INFORMATION

Consumption

For general repair dilute with 1 to 2.5 parts of water.

As Bonding Agent – use pure or dilute 1 to 1 parts of water.

Consumption figures in the following table for Sika Bond® -LA in kg for m² per cm thickness (approx).

Sika Bond® –	1:1	1:2	1:3	1:4
LA : Water				
1:1	2.3	1.5	1.1	0.9
	3.0	2.1	1.5	1.2
1:2	1.4	0.9	0.7	0.6
	1.9	1.3	1.0	0.8
1:3	1.1	0.7	0.5	0.4
	1.5	1.0	0.8	0.6
W/C Ratio	0.5	0.5	0.8	0.5
	0.8	0.8	0.8	0.8

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.

LIMITATIONS

Important Recommendations

- Renderings floor toppings should be allowed to cure correctly. Protect the applied mortar and concrete from heat and frost exposure.
- Avoid excessive air- entrainment through over mixing.
- Do not use Sika Bond® -LA and water as a bonding agent - always add cement and sand.
- Minimum application temperature + 5° C.

ECOLOGY HEALTH AND SAFETY

- **Ecology** Do not dispose of into water or soil but according to local regulations.
- **Transport** Non-hazardous.
- **Safety Precautions** Contact with skin, eyes or mucous membrane may cause irritation flush with clean water, seek medical attention.
- **Toxicity Non-Toxic** under relevant health and safety codes.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Surface Preparation

1. Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely particles.
2. Absorbent surfaces should be saturated thoroughly to surface saturated dry condition (S.S.D).

Application Guide Lines

Sika Bond® -LA is a generally added to the clean mixing water within the range 1:1 – 1:2.5. For all applications apart from sprayed on renders a bonding coat of Sika Bond® -LA : water = 1:1 mixed with fresh cement should be brushed into the prepared surfaces. Subsequently mortar application must be carried out whilst the bonding coat is still wet. Add more Sika Bond® -LA solution if required

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.

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May 2021, Version 01.01

020301010010000060

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.

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