

PRODUCT DATA SHEET

SikaLatex[®]-25 A

Water resistant, S.B.R. bonding agent and mortar additive



DESCRIPTION

SikaLatex[®]-25 A is a modified styrene butadiene emulsion. Due to its polymeric action, mortars containing SikaLatex[®]-25 A have superior adhesion, good compressive strength and considerably improved flexural and tensile strengths. In addition SikaLatex[®]-25 A mortars have greatly reduced water permeability, improved resistance to chemicals and abrasion, are non-toxic and non-corrosive. SikaLatex[®]-25 A mortars possess excellent freeze thaw resistance coupled with resistance to long term water immersion.

USES

SikaLatex[®]-25 A is used as bonding agent and site-mix mortar admixture for the following applications:

- Grouts and screeds
- Patch repair mortars
- Masonry mortars
- Renders
- Tile fixing

CHARACTERISTICS / ADVANTAGES

- Increased adhesion
- Reduced shrinkage and cracking
- Increased abrasion resistance
- Reduced permeability
- Reduced surface dusting of concrete
- Improved frost resistance
- Improved workability
- User friendly
- Suitable on most common construction substrates

PRODUCT INFORMATION

Composition	Styrene butadiene liquid
Packaging	20 kg/pail and 1000 kg IBC container
Shelf life	12 months of date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost.
Appearance and colour	White liquid
Density	~1.00 kg/l
pH-Value	4.0 - 7.0 (+23°C)

APPLICATION INFORMATION

Recommended dosage	Bonding Agent	Repair Mortar / Render Mortar	Tile Adhesive	Floor Screed
Cement	20 kg	50 kg	30 kg	50 kg
Sand	-	150 kg (0-3mm)	90 kg (0-1mm)	150 kg (0-6mm)
Water	5L	20L	10L	20L
SikaLatex®-25 A	5 kg	5 kg	5 kg	5 kg
SikaLatex®-25 A solution	SikaLatex®-25 A : water = 1:1	SikaLatex®-25 A : water = 1:4	SikaLatex®-25 A : water = 1:2	SikaLatex®-25 A : water = 1:4 (high wear resistance = 1:3)
Yield	20m ²	125L of mortar / 10m ² for 10mm thick render	12m ² for 5mm thick layer	10m ² / 10mm thick 5m ² / 20mm thick 3m ² / 30mm thick

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

Never use pure SikaLatex®-25 A or SikaLatex®-25 A-water mix directly onto the substrate as bonding bridge, always add cement to the mix.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains 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®-25 A with the correct amount of water to produce a gauging solution. Pour part of the gauging solution into a suitable mixing container. While stirring slowly, add the cement (for bonding bridge) or add the cement - sand mix (for mortar) 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 Agent

Add cement to the solution of SikaLatex®-25 A and mix until a creamy consistency is achieved. Apply the SikaLatex®-25 A slurry on the pre-wetted substrate in a thin layer of 1mm thickness with a brush. Place new mortar or new concrete immediately while the slurry is still wet.

Floor Screed

Mix cement and coarse sand (0-6mm). Add the SikaLatex®-25 A solution and mix until an

even consistency is achieved.
Adjust the consistency by adding SikaLatex®-25 A solution if necessary.
Apply the mortar to the desired thickness and finish with a trowel until the desired surface finish is achieved.

Repair Mortar / Render Mortar

Mix cement and fine sand (0-3mm).
Add the SikaLatex®-25 A solution and mix until an even consistency is achieved.
Adjust the consistency by adding SikaLatex®-25 A solution if necessary.
Apply the mortar up to 15mm thickness. For repair thickness above 15mm apply successive layers or use coarse sand (0-6mm).

Tile Adhesive

Mix cement and fine sand (0-1mm).
Add the SikaLatex®-25 A solution and mix until an even consistency is achieved.
Adjust the consistency by adding SikaLatex®-25 A solution if necessary.
Apply the mortar up to 5mm thickness and place the tiles as per desired design.

CLEANING OF EQUIPMENT

All tools should be cleaned immediately after use with water because hardened SikaLatex®-25 A modified toppings and screeds have excellent adhesion and are therefore difficult to remove. Once dried use solvents such as white spirit with a coarse wire brush.

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.

