

PRODUCT DATA SHEET

SikaLatex[®]

WATER RESISTANT BONDING AGENT AND MORTAR ADMIXTURE

PRODUCT DESCRIPTION

SikaLatex[®] is an acrylic-polymer latex that is used as admixture for cementitious bonding bridges and high quality site-mix mortars.

USES

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

- Grouts and screeds
- Patch repair mortars
- Masonry mortars
- Renders
- Tile adhesives
- Stucco and terrazzo

CHARACTERISTICS / ADVANTAGES

- Increased adhesion
- Reduced shrinkage and cracking
- Increased abrasion resistance
- Reduced permeability
- Improved workability
- User friendly
- Suitable on most common construction substrates
- An admixture in mortar and concrete to improve adhesion, and achieve a denser surface
- Increases resistance to freeze/thaw cycling

APPROVALS / STANDARDS

USDA certifiable for incidental food contact

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 1 gal (3.8 L) jug, 4/case ▪ 5 gal (19 L) pail ▪ 55 gal (208 L) drum
Appearance / Color	Milky-white liquid
Shelf Life	24 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage Conditions	Store dry at 40–95 °F (4–35 °C). Protect from moisture. If frozen, discard material Condition material to 65–75 °F (18–24 °C) before using
Density	62.4 lb./ft ³ (~1.0 kg/l) (ASTM C-138)

TECHNICAL INFORMATION

Tensile Adhesion Strength		7 days	(ASTM C-882 Modified)
	Slurry, scrub coat*	950 psi (6.6 MPa)	
	Primer	1,200 psi (8.2 MPa)	

Slurry, scrub coat: 2 parts sand, 1 part cement

APPLICATION INFORMATION

Recommended Dosage	Admixture	No dilution
	Primer for acrylic coatings	SikaLatex® : Water = 1 : 1
	Bonding agent	1 part cement, 2 parts sand, undiluted SikaLatex®*

* Creamy paint consistency, maximum 4 gal/bag

Coverage	Primer for acrylic coatings only
	<ul style="list-style-type: none">▪ Estimated coverage on a CSP-3 prepared surface is 300 ft²/gal▪ Very porous concrete may require a second coat
Ambient Air Temperature	40–86 °F (4–30 °C)
Substrate Temperature	40–86 °F (4–30 °C)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- The substrate shall be thoroughly clean, sound, 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® with the correct amount of water to produce a gauging solution.
- Pour part of the gauging solution into a suitable mixing container.
- While mixing slowly, add the mortar 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

Primer for acrylic coatings only

- Apply diluted SikaLatex® to prepared concrete substrate (CSP-3) using brushes, rollers, soft brooms, or spray.
- SikaLatex® must be tack-free (film formation) prior to coating.
- SikaLatex® may be applied up to 24 hours ahead providing the area is kept dry and clean.

Bonding Agent

- Brush slurry into area to be resurfaced with stiff-bristled broom or scrub brush.
- Be sure entire surface and all edges are coated.
- Apply topping immediately over scrub coat before the bonding slurry dries.

Admixture

- Immediately trowel SikaLatex® mortar or concrete mixes applied in areas to be patched.
- Do not over-finish.
- As soon as finish will resist damage, cure with damp burlap and/or white pigmented polyethylene film.
- Curing should continue for 24 hours.
- Pre-testing is recommended

LIMITATIONS

- Never use pure SikaLatex® or SikaLatex®-water mix directly onto the substrate as bonding agent, always add cement and sand to the mix.
- Non-reemulsifiable.
- Does not produce a vapor barrier.
- Toppings must be applied immediately over SikaLatex® bonding grout.
- Do not apply solvents or solvent-based curing compounds to SikaLatex® mortar/ concrete.
- Do not use air-entraining cements when used as an admixture.
- Do not use for overlays.
- As with all cement based materials, avoid contact with aluminum to prevent adverse chemical reaction and possible product failure. Insulate potential areas of contact by coating aluminum bars, rails, posts etc. with an appropriate epoxy such as Sikadur® Hi-Mod 32.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LOCAL RESTRICTIONS

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800.933.7452 nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

10 g/l

(EPA method 24)

LEGAL NOTES

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