BUILDING TRUST

PRODUCT DATA SHEET

SikaLatex® R

Acrylic latex bonding agent/admixture for portland-cement mortar/concrete

PRODUCT DESCRIPTION

SikaLatex® R is an acrylic-polymer latex. It is not re-emulsifiable. It is a general purpose admixture which will produce polymer-modified concrete and mortar. Sika Latex R is also a bonding grout when mixed with sand and portland cement.

USES

- Admixture (replacing water) used in cement based products to improve adhesion, achieve a denser surface, and improve overall performance
- As a bonding grout (prime coat) when mixed with sand and portland cement

CHARACTERISTICS / ADVANTAGES

- Concrete/Mortar/Grout/etc. containing SikaLatex® R exhibits improved adhesion to pre-pared substrates
- Increased adhesive strength of mortar/concrete when used as a bonding grout
- Increased resistance to freeze/thaw durability
- Does not produce a vapor barrier

PRODUCT INFORMATION

Packaging	1 qt. (.94 L), 6/case 1 gal. (3.8 L) jug, 4/case 5 gal. (19 L) pail 55 gal. (208 L) drum (special order)
Shelf Life	12 months in original, unopened containers
Storage Conditions	Store dry at 40 to 95 °F (4 to 35 °C). Condition material to 60 to 75 °F (15 to 167 °C) before using. Protect from freezing. If frozen, discard

TECHNICAL INFORMATION

Tensile Adhesion Strength	**Slurry, scrub coat** 2 parts sand, 1 part cement. SikaLatex® R added to produce a creamy consistency. **Plastic Concrete to Hardened Concrete** 28 days > 500 psi (3.4 MPa) Bond Strength	(ASTM C-882) Tested at: 73 °F (23 °C) 50 % R.H.

APPLICATION INFORMATION

Coverage	**As mixing solution**: for Concrete/Mortar/Grout/etc. use neat, replacing the amount of water typically recommended **As a bonding grout**: estimated coverage based on amount of material (sand/cement) mixed

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.

LIMITATIONS

- Not resistant to UV rays unless painted, covered or coated.
- Will not adhere to polyethylene, teflon, silicone, oils and greases, mold release agents and similar materials.
- Do not expose to open flame or temperatures above 120 °F (49 °C). Excessive heat can cause shorter shelf life.
- Not intended as a firestop.
- Do not use where temperatures rise above 240 °F (116 °C).
- 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.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Applying Concrete/Mortar: Remove all deteriorated concrete, dirt, oil, grease, and all bond-inhibiting materials from surface. Be sure repair is not less than 1/8 in. (3.2 mm) in depth. Preparation work should be done by high pressure water blast, scabbler, or other appropriate mechanical means to obtain an aggregate-fractured surface with a minimum surface profile of 1/16 in. (1.6 mm). Saturate surface with clean water. Substrate should be saturated surface dry (SSD) with no standing water during application.

MIXING

As admixture/mixing solution: With mixer running, add materials in the following order: SikaLatex® R solution and then the cement based product. Replace the amount of water recommended by the product. Do not dilute with water.
As a bonding grout: With the mixer running, add in the following order. SikaLatex® R solution, aggregate, cement. The ratio is 1 part cement, 2 parts sand, and a sufficient amount of undiluted SikaLatex® R to produce a creamy paint consistency. Maximum 4 gal./sack of cement (15L/sack of cement).
As a primer for acrylic coatings: No dilution is required. Use as is.

APPLICATION METHOD / TOOLS

Admixture: Immediately trowel SikaLatex® R mortar or concrete mix into areas to be patched. Do not over-finish. As soon as the application is done, to prevent damage, cure with damp burlap and/or white pigmented polyethylene film. Curing should continue for 24 hours. Pre-testing is recommended when adding SikaLatex® R to a specific mix design to assure the results required.
Bonding Grout: Brush grout 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.
Primer (for acrylic coatings only): Apply undiluted SikaLatex® R to prepared concrete substrate using brushes, rollers, soft brooms, or spray. SikaLatex® R must be tack-free (film formation) prior to coating. Estimated coverage on a CSP-3 prepared surface is 300 ft^2/gal. (7 m^2/l) SikaLatex® R primer may be applied up to 24 hours ahead providing the area is kept dry and clean. Very porous concrete may require a second coat of SikaLatex® R to seal the surface.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com