

SikaLatex® R

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

Description	SikaLatex® R is an acrylic-polymer latex. It is a non-reemulsifiable, general-purpose admixture to produce polymer-modified concrete and mortar.
Where to Use	<ul style="list-style-type: none">■ An admixture in mortar and concrete to improve adhesion, and achieve a denser surface.■ Use in patching and flash coats. Use with stucco and terrazzo.■ As a bonding grout when mixed with sand and portland cement.■ For use with SikaRepair® to improve the mortar and increase the adhesion and performance.
Advantages	<ul style="list-style-type: none">■ Mortar and concrete containing SikaLatex® R exhibit improved adhesion to prepared substrates.■ Increased adhesive strength of mortar/concrete when used as a bonding agent or as a bonding grout.■ Increased resistance to freeze/thaw durability.■ Does not produce a vapor barrier.
Coverage	As an admixture: 4 gals./sack of cement. As mixing solution for SikaRepair® Mortar or Concrete, use neat. As a primer: estimated coverage on a CSP-3 prepared surface is 300 sq. ft./gal.
Packaging	1 gal. jug, 4/case; 5 gal. pails; 55 gal. drums.

Typical Data (Material and curing conditions @ 73°F and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life 2 years in original, unopened containers

Storage Conditions Store dry at 40°-95°F. Condition material to 60°-75°F before using. Protect from freezing. If frozen, discard.

Color Milky-white.

Bond Strength (ASTM C-882)

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)

Construction



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/](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 AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

How to Use

Substrate

Concrete, mortar, and masonry products.

Surface Preparation

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 inch in depth. Preparation work should be done by high pressure water blast, scabber, or other appropriate mechanical means to obtain an aggregate-fractured surface with a minimum surface profile of 1/16 inch. Saturate surface with clean water. Substrate should be saturated surface dry (SSD) with no standing water during application.

Mixing Procedure

As admixture/mixing solution: With mixer running, add materials in the following order: SikaLatex® R solution, aggregate, cement, or SikaRepair®. Add more SikaLatex® R solution if required.

As a bonding agent: Add 1 part cement, 2 parts sand, and a sufficient amount of undiluted SikaLatex® R to produce a creamy paint consistency. Maximum 4 gals./sack of cement.

As a primer for acrylic coatings: No dilution is required. Use as is.

Application

Bonding Agent: 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.

Admixture: Immediately trowel SikaLatex® R mortar or concrete mixes into 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 when adding SikaLatex® R to a specific mix design to assure the results required.

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 sq. ft./gal. 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.

Limitations

- Minimum application temperature 40°F.
- Toppings must be applied immediately over SikaLatex® R bonding grout 'wet on wet'.
- Discard material if frozen.
- Avoid over-working or over-finishing surface.
- Do not apply solvents or solvent-based curing compounds to SikaLatex® R mortar/concrete.
- Do not use air-entraining cements when used as an admixture.
- 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.

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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.

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 instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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