

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. ■ USDA-approved.
Coverage	As an admixture: 4 gals./sack of cement. As mixing solution for Sika Repair® 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.)

Shelf Life	Unlimited
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)

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, scabblor, 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: 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.

Irritant

May cause skin/eye/respiratory irritation. Avoid breathing vapors. Use with adequate ventilation. Avoid skin and eye contact. Safety goggles, and rubber gloves are recommended.

Caution

First Aid

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes, and contact a physician. For respiratory problems, remove person to fresh air. Remove contaminated clothing. Wash clothing before re-use.

Clean Up

In case of spillage, collect with absorbent material, ventilate closed areas, and dispose of in accordance with current, applicable local, state, and federal regulations. Keep container tightly closed and in an upright position to prevent spillage and leakage.

KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES.

Visit our website at www.sikausa.com

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