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

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 ft²/gal. (7 m²/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.

BUILDING TRUST