



PRODUCT DATA SHEET

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CAST-IN-PLACE CONCRETE

Sika® Latex R

ACRYLIC LATEX, BONDING AGENT AND ADMIXTURE FOR CEMENT MORTAR AND CONCRETE

Description	Sika® Latex R is an acrylic based, polymer emulsion. It is non-reemulsifiable and multi-purpose in its use as an admixture to produce latex improved bonding agents, concrete and mortar.
Where to Use	<ul style="list-style-type: none"> ▪ As a liquid admixture in cement mortars and concrete to enhance adhesion and overall performance. ▪ For sand and cement bonding grouts. ▪ With stucco and terrazzo. ▪ For patching and flash coats. ▪ As a polymer admixture added to SikaRepair® mortars to further improve their performance.
Advantages	<ul style="list-style-type: none"> ▪ Bonding agents, mortars and concrete containing Sika® Latex R exhibit better adhesion to prepared substrates in comparison to unmodified materials. ▪ Increases ultimate compressive strengths of mortars and concrete. ▪ Increases resistance to freeze/thaw cycling and to penetration of water in general. ▪ Increases tensile strengths and improves modulus of elasticity of mortars and concrete. ▪ Does not act as a vapour barrier. ▪ Ministry of Transport Québec (MTQ) acceptance. ▪ Complies with ASTM C1059 for type II, non-redispersible latex bonding agents for bonding fresh to hardened concrete.

Technical Data	
Packaging	1 L (0.3 US gal.) and 3.5 L (0.92 US gal.) jugs, 4/case and 18.9 L (5 US gal.) pail
Colour	Milky-White
Shelf Life	2 years in original, unopened container. Store dry at temperatures between 5 and 32 °C (41 and 89 °F). Protect from freezing. If frozen, discard.
Properties at 23 °C (73 °F) and 50 % R.H.	
Bonding Agent (2 parts sand, 1 part cement & Sika® Latex R added to produce a slurry consistency)	
Bond Strength CAN/CA A23.2-6B	
28 days	Substrate failure
VOC Content	0 g/L
Chemical Resistance	Consult Sika Canada
<i>Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.</i>	

HOW TO USE

Surface Preparation	Concrete, mortar and masonry surfaces must be clean and sound. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles and disintegrated materials. Prepare surfaces by appropriate mechanical method, i.e. chipping, shot- or sand-blasting, scarifying or other suitable means. Thoroughly saturate the prepared substrate with clean (potable) water to achieve a saturated surface dry (SSD) condition. Remove any standing water before application.
Mixing	<p>Bonding Agent: Add 1 part cement, 2 parts sand to a sufficient amount of undiluted Sika® Latex R to produce a creamy, grout/slurry consistency.</p> <p>Mortar Admixture: With mixer running, add materials in the following order: Sika® Latex R, aggregate then cement or SikaRepair®. Add more Sika® Latex R solution if required. For dosage and use with SikaRepair® mortars refer to specific Product Data Sheets</p>
Application	<p>Bonding Agent: Brush bonding grout into area to be repaired or resurfaced with stiff-bristled broom or brush. Be sure to scrub grout into the entire contact surface including all edges of repairs. Immediately apply mortar over the bonding grout before the grout dries.</p> <p>Modified Mortar: Immediately trowel Sika® Latex R modified mortars or place modified concrete mixes onto areas to be repaired or resurfaced. Do not over-finish.</p>
Curing	As soon as the mortar or concrete will resist damage, cure with a damp burlap, white-coloured polyethylene film or a suitable Sika curing compound (specific recommendations available upon request). Curing should continue for at least 24 hours.

Clean Up Clean all tools and equipment immediately after use with water. Once hardened, the product can only be removed manually or mechanically. Wash soiled hands and skin thoroughly in hot water or use Sika® Hand Cleaner towels.

- Limitations**
- Do not use in conjunction with air-entraining products when used as an admixture.
 - Pre-testing is recommended when adding Sika® Latex R to a mortars or concrete of untested mix designs to characterise and verify desired results are achieved.
 - Minimum application temperature: 7 °C (44 °F).
 - Discard material if frozen.
 - Mortars or concrete must be applied immediately over Sika® Latex R bonding grout, working “wet on wet”.
 - Avoid over-working or over-finishing surfaces of modified mortars or concrete
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Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN

The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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