

Construction

poneni, Eany	Strength-Gainin	g, Cementitious	
Mortar			
		aining, cementitious, patching	
 Use on grade, above, and below grade on concrete and mortar. Use to repair vertical and overhead surfaces, walkways, ramps. 			
 Easy to use; just add water. High early strength. Not a vapour barrier. Formulated with inert, non-reactive aggregates to eliminate potential Alka Aggregate Reactivity (AAR). SikaRepair[®] 223 performance may be enhanced with the addition of Sika[®] Latex R Ministère des Transports du Québec acceptance. 			
Packaging Colour	17 kg (37.5 lb) multi-wall Concrete Grey	bag	
Yield Shelf Life	12 months in original, uno results, condition product using. Protect Sika® Latex	12 months in original, unopened packaging. Store dry. For best results, condition product at 18 to 29°C (65 to 84°F) before using. Protect Sika® Latex R from freezing. If frozen, discard.	
	1:6	Sika® Latex R/Powder 1:5.2 15 - 25 min	
Finishing Time Properties at 23°C (73°	30 - 50 min F) and 50% R.H.	30 - 50 min 2050 kg/m³ (128 lb/ft³)	
	3 ()	20 (2900) 40 (5800)	
7 days	23 (3.3 x 10 ⁶)	45 (6526) 18 (2.6 x 10 ⁶)	
21 days Bond Strength CAN A23.	4 (580) 2-6B, MPa (psi)	5 (725)	
7 days	1.5 (217)	2.5 (362)	
Remove all deteriorated concrete, dirt, oil, grease, other bond inhibiting materials from surface. Preparation work should be done by chipping, high-pressure waterblasting or other appropriate mechanical means. Obtain substrate aggregate fracture with a minimum surface profile of \pm 3 mm (1/8 in) (CSP 6-9). Dampen surface to be repaired with clean water. Substrate should be saturated surface dry (SSD) with no standing water during application.			
Mix mechanically using a heavy duty, low-speed drill (300 - 450 rpm) with a mixing paddle (ex.: Mud Mixer Type). Pour approx. 2.5 L (0.66 US gal.) of potable water into the mixing container. Add SikaRepair® 223 slowly while continuing to mix. Mix to a uniform consistency for a maximum of 3 minutes. Add additional water if a more fluid consistency is desired. Do not overwater. Excessive water/cement ratios may cause severe bleeding and retardation and will reduce the strength and performance o the mortar. For enhanced performance, SikaRepair® 223 may be used with Sika@ Latex R instead of water. Use up to 1 jug of Sika® Latex R per 17 kg (37.5 lb) bag of SikaRepair® 223 depending on consistency desired.			
	 Viortar SikaRepair® 223 is a or mortar for vertical and o Use on grade, above, Use to repair vertical Easy to use; just add High early strength. Not a vapour barrier. Formulated with ine Aggregate Reactivity SikaRepair® 223 perfo Ministère des Transpor Technical Data Packaging Colour Yield Shelf Life Mix Ratio (by weight) Application Time Finishing Time Properties at 23°C (73° Density ASTM C 185 Compressive Strength AS 24 hrs 14 days 28 days Modulus of Elasticity AS 7 days Tensile Splitting Strength 21 days Bond Strength CAN A23. 35 MPa (5075 psi) air entra 7 days Remove all deteriorated surface. Preparation wo or other appropriate me minimum surface profile with clean water. Subst water during application Mix mechanically using paddle (ex.: Mud Mixer the mixing container. A uniform consistency for consistency is desired. severe bleeding and re the mortar. For enhanc Latex R instead of wate 	SikaRepair® 223 is a one-component, early strength-g mortar for vertical and overhead concrete repair. Use on grade, above, and below grade on concrete a Use to repair vertical and overhead surfaces, walkwa Easy to use; just add water. High early strength. Not a vapour barrier. Formulated with inert, non-reactive aggregates for Aggregate Reactivity (AAR). SikaRepair® 223 performance may be enhanced with Ministère des Transports du Québec acceptance. Technical Data Packaging 17 kg (37.5 lb) multi-wall Colour Concrete Grey Yield Approx. 9.5 L (0.335 ft ⁹) Shelf Life 12 months in original, uno results, condition product using. Protect Sika® Latex Mix Ratio (by weight) Water/Powder 1:6 Application Time 15 - 25 min Finishing Time 30 - 50 min Properties at 23°C (73°F) and 50% R.H. Density ASTM C 185 2075 kg/m³ (130 lb/ft³) Compressive Strength ASTM C 109, MPa (psi) 24 hrs 15 (2175) 14 days 30 (4350) 28 days 40 (5800) Modulus of Elasticity ASTM C 496, GPa (psi) 21 days 4 (580) Bond Strength CAN A23.2-6B, MPa (psi) 21 days 4 (580) Bond Strength CAN A23.2-6B, MPa (psi) 35 MPa (5075 psi) air entrained concrete substrate 7 days 1.5 (217) Remove all deteriorated concrete, dirt, oil, grease, other surface. Preparation work should be done by chipping or other appropriate mechanical means. Obtain subst minimum surface profile of ± 3 mm (1/8 in) (CSP 6-9). D with clean water. Substrate should be saturated surfar water during application. Mix mechanically using a heavy duty, low-speed drill paddle (ex.: Mud Mixer Type). Pour approx. 2.5 L (0.66 the mixing container. Add SikaRepair® 223 slowly wh unform consistency for a maximum of 3 minutes. Add consistency is desired. Do not overwater. Excessive w severe bleeding and retardation and will reduce the the mortar. For enhanced performance, SikaRepair® Latex R instead of water. Use up to 1 jug of Sika® Latex	

MULTICRETE

Application	At time of application, surfaces should be damp (saturated surface dry) with no glistening water. Mortar must be scrubbed into substrate, filling all pores and voids. Force material against edge of repair, working toward center. Allow mortar to set to desired stiffness, cut then finish with wood or sponge float or texture as required. If repair requires several lifts, each lift must be applied as soon as the previous lift will support it and all surfaces but the last must be left rough.	
Curing	As per ACI 308 recommendations for cement concrete, curing is required. To achieve performance consistent with Technical Data, curing must be provided by recognized curing methods, such as wet burlap covered with white polyethylene film or approved water-based curing compound, such as Sika® Florseal® WB 18 & 25. Curing must commence immediately after placing and finishing. Moist-curing must be maintained for the first 24 hours only. Protect freshly applied mortar from direct sunlight, wind, rain and frost.	
Clean Up	Clean all tools and equipment after use with water. Once hardened, the product ca only be removed manually or mechanically. Wash soiled hands and skin thoroughl in hot soapy water or use Sika® Hand Cleaner towels.	
Limitations	 Minimum application thickness: 3 mm (1/8 in). Maximum lift thickness: 38 mm (1 1/2 in). Maximum total applied thickness should not exceed 76 mm (3 in) without additional reinforcing support. Minimum ambient and surface temperature: 7°C (44°F) and rising at time of application. Do not overwater. Use only potable water. 	
Caution	Contains cement and silica sand which may in certain cases, cause skin and eye irritation. Avoid breathing dust. Use only with adequate ventilation. In confined areas, use of a NIOSH/MSHA approved respirator is recommended. Consult product label for additional information.	
First Aid	In case of skin contact, wash with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. Contact a physician. For respiratory problems, transport victim to fresh air. Remove contaminated clothing and wash before re-use.	
	For more information, consult Sika Material Safety Data Sheet.	
	KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY	
	The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given i good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such the no warranty in respect of merchantability or of finess for a particular purpose, nor any liability arising out of any legal relationshi whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. Th proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. User should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplie	

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