Product Data Sheet Edition 9.22.2014 Sikadur[®] 31, SBA, Slow Set (55°-75°F)

Sikadur[®] 31, SBA, Slow Set (55°-75°F)

Segmental Bridge Adhesive High-modulus, high-strength, moisture tolerant, epoxy paste adhesive

Description	Sikadur [®] 31, SBASlow Set is a unique high-modulus 2-component, moisture-tolerant, solvent-fre epoxy resin system available in three application temperature ranges. A unique high-modulu structural adhesive for bonding hardened concrete to hardened concrete for segmental bridg construction. The mixed material has the consistency of paste and is a concrete gray color. conforms to the current ASTM C-881, Type VII requirements, and ASBI guidelines.				
Where to Use	 Structural bonding of post-tensioned precast concrete bridge segments. Sealing joints between concrete segments. Slow-set version for span-by-span erection. Supplied in three temperature grades to meet project requirements. 				
Advantages	 Moisture tolerant before, during and af High-modulus, high-strength, structura Range of curing times to meet assemb Easy to apply, non-sag paste for vertica Excellent adhesion to concrete, steel a Convenient easy to mix ratios. Color-coded components to ensure pro- 	l paste adhesiv Iy and strength al applications. nd most constr	gain require		
Coverage	Approximately 12 ft²/gal. or 36 ft²./3 gal. u	unit.			
Packaging	3 gal. units.				
	Shelf Life2 years in original, unopened containers.Storage ConditionsStore dry at 40°-95°F (4°-35°C). Condition material to 70°-75°F (21°- 24°C) before using.ColorConcrete grayConsistencyNon-sag pasteProduct name Slow Set (40°-61°F)Temp. Range 40°-61°F (4°-16°C) 55°-75°F (13°-24°C) 2:1Mix Ratio, A:B by volume 2:1Slow Set (55°-75°F)55°-75°F (13°-24°C) 70°-90°F (21°-32°C)2:1				
	Property	ASTM C881 Spec.	SBA SS 40°-61°F	SBA SS 55°-75°F	SBA SS 70°-90°F
	Pot Life, 1 gal., hrs (ASTM C881)	-	~ 2	~ 2	~ 2
	Compressive Strength, psi (ASTM D695)				
	36 hr	1000	1800	3000	6400
	72 hr	2000	4500	6500	9000
	Open Time (ASTM C881)	0 hours	9 hours	9 hours	8 hours
	Contact Strength after open time	8 hours 1000	8 hours	8 hours 2000	8 nours 1500
	14 day psi		1500		1:000
	14 day, psi Bond Strength 14, psi (ASTM C882)	1000	1800	2000	2300

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How to Use Surface Preparation	Surface must be clean and sound. It may be dry or damp, but free of standing water and frost. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles, disintegrated materials and any other contaminants.	
Mixing	Pre-mix each component. Wear chemical resistant gloves and safety goggles. Mix all of Pa 'A' with all of Part 'B'. Mix thoroughly for a minimum of 3 minutes with a low-speed (400-60 rpm) drill fitted with a mixing Sika paddle until a uniform gray color is achieved. Scrape dow the sides of the mixing pail and ensure there are no streaks of unmixed epoxy before applying Mix only that quantity which can be used within its pot life.	
Application	Apply the neat mixed Sikadur [®] 31, SBA Slow Set to the concrete surface using a trowel, spatula or glove protected hand; work into surface, especially if it is damp. Spread to a thickness of 1/8" (3 mm) to one face or 1/16" (1.5 mm) on both faces, depending upon project requirements. Segments must be post-tensioned within the open time of the epoxy.	
Limitations	 Do not thin Sikadur[®] 31, SBA Slow Set. Solvents will prevent proper cure. Use correct temperature range material for prevailing conditions. Use correct setting material (normal or slow) depending on method of erection. Not for use as an adhesive for fresh, plastic portland cement concrete or mortar. Lower temperatures will prolong cure time. Higher temperatures will rapidly accelerate cure time. Use of product outside of designated temperature range is not recommended. Not an aesthetic product. Color may alter due to variations in lighting and/or UV exposure. 	

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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.

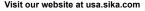
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