

Rock Set Thixotropic Epoxy Resin Adhesive

PRODUCT	Rock Set is a solvent-free, thixotropic, two component adhesive and repair mortar, based					
DESCRIPTION	on a combination of epoxy resins and specially selected high strength fillers. Complies with ASTM C881-78 type I, Grade 3 Class B+C.					
USES	Rock Set is available in three different grades of reactivity: rapid, normal, long pot life. They can be used as follows: Adhesive levelling compound for concrete, stone, ceramics, mortar, renderings, steel, iron, aluminum, wood, woodchip boards, polyester, epoxy and glass. Concrete repairs. Blow hole filling. As structural adhesive for precast concrete segments, columns, curb-stones etc. Crack and surface sealing. Fixation of dowels and starter bars					
For Segmental Bridge Construction a special range of adhesives is available:						
ADVANTAGES	Rock Set is an extremely versatile product that offers many advantages to the user: Easy to apply. Suitable for both, dry and damp surfaces. Non-sag product, even at high temperatures. Hardens without shrinkage. Excellent mechanical strengths. High early strength according to grade used. Components of different colors (Mixing control). High abrasion and impact resistance. Solvent free.					
PRODUCT DATA Color	Grey (Comp. (A): white, Comp. (B): black).					
Packaging	1 kg and 5 kg units (A+B).					
Storage	Store in shade, under normal weather temperature and in dry conditions.					
Shelf Life	24 months from date of production if stored properly in original unopened packing.					
Technical Data Density (20°C)	All types: Comp. (A): 1.65 kg/l Comp. (B): 1.65 kg/l					
Coefficient of Thermal Expansion	50 x 10 ⁻⁶ per °C (temp. range: -20 °C to +40 °C)					
Modulus of Elasticity	4'300 N/mm ² (Static)					
Mechanical Strengths		Normal/Rapid Type after 10 days at +10-20°C	L.P Type after 10 days at +20-30°C			
	☐ Compressive strength After 24 hrs. at + 20°C: After 24 hrs. at + 30°C: After 24 hrs. at + 50°C: ☐ Flexural strength ☐ Tensile strength ☐ Bond strength to concrete ☐ Bond strength to steel	60 - 70 N/mm ² ~40 - 45 N/mm ² ~35 - 40 N/mm ² - 30 - 40 N/mm ² . 15 - 20 N/mm ² 3.5 N/mm ²	50 - 60 N/mm ² ~40 - 45 N/mm ² 20 - 25 N/mm ² 15 - 20 N/mm ² 3-3.5 N/mm ² (concrete failure)			

All surfaces must be clean, free from frost, standing water and all loosely particles. Cement laitance must be removed. Concrete must be at least 3 weeks old, depending on climate, wire-brush, sand-or water-blasted or gr substrates. Priming Priming is not required. Mixing Mix components (A+B) together for at least 2 minutes with a mixing padd attached to a slow speed electric drill (max. 600 R.P.M.) until the material smooth in consistency and even grey color of the mixture is obtained. Ma industrial packing must be stirred well before proportioning and mixing. Application When using a thin film adhesive, apply the mixed adhesive to the surface trowel, spatula or by glove-protected hand. When using a thin film adhesive, apply the mixed adhesive to the surface trowel, spatula or by glove-protected hand. When applying as a repair mortar, take into account any form work that m required. On vertical surfaces it is non-sag up to 10 mm thickness. On da surfaces, ensure that the material is well rubbed in. Max. layer thickness: 30 mm. Clean all tools and equipment immediately after use with Colma-Cleaner. Pot Life C Normal Type Rapid Type LP 40 25 30 20 min 50 20 40 min. 20 min. 90 10 90 min. 40 min. 90 10 90 min. 40 min. 90 10 90 min. 40 min. 90 10 Potimal working temperatures for each grade are: I Normal Type : 10°C - 30°C. Rapid Type : 5°C - 15°C. LP. Type : 20°C - 40 When working at a higher temperature than recommended, the pot life wis shortened. Similarly when working at lower temperatures, the material will more difficult to apply and takes longer to harden. When applying to damy concrete, work well into substrates. When the working temperature will be above 45°C, please consult our Te Service. SAFETY In liquid state components (A+B) contaminate water. Do not dispose of in or soil but according to local regulations. Forduct may cause skin irritations. Wear gloves and goggles. If the material is accidentally splashed into the eye, fittush immediately of warm water and seek medica	APPLICATION Mix Ratio	Type Normal/Rapid: Comp. (A): Comp. (B) = 2:1 by weight and volume. Type L.P.: Comp. (A): Comp. (B) = 2:1 by weight and volume.					
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Toxicity Class 4, under the relevant Swiss health and safety codes. Observe warr packing.	Toxicity	Class 4, under the relevant Swiss health and safety codes. Observe warnings on packing.					



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