



7.01 FAST EPICRETE

Epoxy Bonding Agent for New to Old Concrete

PRODUCT DESCRIPTION

FAST Epicrete is a bonding agent for new to old concrete based on specially selected epoxy resins and hardeners. Also suitable for application of epoxy mortars to damp substrates.

ADVANTAGES

- Moisture tolerant
- Durable
- Easy application
- Excellent adhesion

TYPICAL PROPERTIES

- Pot Life @ 20°C 35 minutes
- Recoat time @ 20°C 18 Hours
- Full Cure 7 Days

TECHNICAL INFORMATION

- Typical Engineering Data @ 70°F (21°C)
- Consistency: brush-able coating
- Pot Life: 3-5 hrs
- Initial Hardness 48 hrs
- Full Cure 7 days
- Maximum Overlay time 24 hrs @ 20° C
- Compressive Strength (ASTM -C 882) (psi 7000) 50 N/mm²
- Tensile Strength psi 2900 (ASTM-C 882) (20 N/mm²)
- Flexural Strength psi 5000 (ASTM-C 882) (35 N/mm²)
- Shear Bond Strength psi 3600 (ASTM-C 882) (25 N/mm²)

APPLICATION INSTRUCTIONS

Preparation: All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any, loose concrete

should be removed prior to priming with FAST Epicrete.

Mixing: FAST Epicrete is suitable for mixing using a drill and suitable paddle. Add the Hardener to the Base and mix for 3 to 5 minutes to ensure thorough mixing. Only mix that quantity of material, (usually one kit at a time), that can be used within the setting time.

Application: Apply the FAST Epicrete by brush, roller or spray at the rate of 4 - 6 m² per liter in an even pattern over the substrate. Do not attempt to rework or retemper any partially set product. Avoid waste by using all the kit within 15 minutes of mixing. NB: Liquid epoxy products may exotherm and set prematurely if not used immediately.

Curing: FAST Epicrete will cure under damp conditions and allow traffic over floor screeds after 24 hours. Allow 7 days for full cure.

CLEAN UP

Clean all equipment with solvent immediately after use.

ESTIMATING

Packaging: FAST Epicrete is supplied in pre-weighed 2.5 and 6 Kg kits comprising Base and Hardener. Material Usage 4 - 6 m² per liter

STORAGE

FAST Epicrete is an epoxy based product which must be stored in the original unopened containers.

PRECAUTIONS

Where temperatures less than 5°C or greater than 35°C are encountered, contact our Technical Staff for specific advice. FAST Epicrete is non toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water.



Do NOT use solvent. Protective gloves, goggles and clothing should be worn. Repeated contact with epoxy resins and hardeners can cause sensitization in some people handling this type of product. Where this occurs seek medical advice before continuing use.

NOTE

Material safety data sheets for these and all FastChem products are available on request. Read the MSDS and product label carefully before using. All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

ALLIED PRODUCTS

FastChem manufactures a broad range of construction products including.

- Admixtures
- Grouts
- Coatings
- Adhesives
- Sealants
- Water Proof Coatings
- Floor Leveling Compounds
- Concrete Repair

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond FastChem's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. FastChem shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. FastChem's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

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