



3.03 FAST EP LV

Low Viscosity Epoxy Resin Crack Injection Grout

PRODUCT DESCRIPTION

FAST EP LV is a low viscosity epoxy grout based on specially selected epoxy resins and hardeners to produce a highly fluid grout for injection into cracks in masonry and concrete.

ADVANTAGES

- Low viscosity
- High strength
- Easy application
- Excellent adhesion
- Convenient mix ratio

TYPICAL PROPERTIES

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|-------------------------|----------------|
| • Pot Life 20°C | 35 minutes |
| • Viscosity @ 20°C | 350 Centipoise |
| • Specific Gravity 20°C | 1.05 |
| • Mix Ratio Base | Three Volumes |
| • Hardener | One Volume |

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 and repaired to provide a solid foundation. Rake out all cracks to allow the grout to penetrate. Oil free compressed air will remove the fine dust which blocks small cracks.

Mixing: FAST EP LV is suitable for mixing using a drill and suitable paddle, or metering pumps where a large quantity is required. Mix for 3 to 5 minutes to ensure thorough mixing. Only mix that quantity of material that can be used within the setting time. Where the FAST EP LV is mixed in the 300ml kit, add all the hardener to the base component bottle, reseal, and shake vigorously to mix. 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 grouts will exotherm and set prematurely if not used immediately.

APPLICATION

Application by Gravity: This method is only suitable for repair to floor slabs or other horizontal surfaces. Use Silicone sealant or other easily removed material to form a weir either side of the cracks to provide a reservoir for the grout. Place the mixed FAST EP LV in the reservoir and maintain the level of liquid by topping up the grout. When the crack is saturated, allow the grout to gel before removing the excess and weir with a scraper. NB: Hardened grout can only be removed by grinding.

Application by Pump: Prepare the cracks to be grouted by bonding the injection ports over the crack using XL Set 621. Spread a thin layer of XL Set 621 over the cracks to be grouted and allow setting overnight. Set the mix ratio of the pump to 2 to 1 by volume. Pour the individual components of the FAST EP LV into the respective tanks for the base and hardener. NB: Ensure the tanks are clearly identified to avoid mixing base and hardener together. Commence grouting by pumping from the lowest placed injection port. Continue pumping until the FAST EP LV appears at the next port. Seal off the first port and continue pumping from the second port. Ensure that the operation is completed in one continuous pour. Allow the grout to harden before grinding off the injection ports and epoxy.

CURING

FAST EP LV is suitable for grinding off after 24 hours. Allow 7 days for full cure.



FastChem Technologies

The Fast Chemistry for Construction

CLEAN UP

Clean all equipment with immediately after use.

CHEMICAL RESISTANCE

FastChem Epoxy EPLV shows good chemicals, acid and base resistant. For more information on this or any other product, please contact FastChem customer service

PACKAGING

FAST EPLV is supplied in ready to use 500 gm kits, as well as 2.5, 5, and 30 kg kits.

STORAGE

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

PRECAUTIONS

Where temperatures less than 50°C or greater than 35°C are encountered, contact our Technical Staff for specific advice. FAST EP LV is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water, NOT 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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