3.03 XPERT EPOXY LV

Low Viscosity Two component Injection resin
thin cracks & pin holes.

PRODUCT DESCRIPTION

XPERT 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

CATEGORY	PARAMETERS
Pot Life 20ºC	35 minutes
Viscosity @ 20ºC	350 Centipoise
Specific Gravity 20ºC	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: XPERT 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 XPERT EP LV is mixed in the 300m1 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 XPERT 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.

Note: 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 to2 to 1 by volume. Pour the individual components of the XPERT EP LV into the respective tanks for the base and hardener.

Note: 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 XPERT 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

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

CLEAN UP

Clean all equipment with immediately after use.

CHEMICAL RESISTANCE

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

PACKAGING

XPERT EP LV is supplied in ready to use 500 gm kits, as well as 2.5, 5, and 30 kg kits.

STORAGE

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

PRECAUTIONS

Where temperatures less than 5OC or greater than 35OC are encountered, contact our Technical Staff for specific advice. XPERT 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 XPERT 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.