

## USAGE

EPICOL INJ LV is a low-viscosity epoxy resin for structural bonding of cracks and micro cracks in dry or wet concrete. EPICOL INJ LV can be used as glue for bonding and anchoring.

## CHEMICAL RESISTANCE

Good chemical resistance to alkalis, petroleum derivatives, acid, diluted organic acids, salts and solutions. For more information please contact RESIPLAST NV.

## PROPERTIES

- Low-viscosity
- For dry and wet applications
- Deep penetration in micro cracks
- Solvent-free
- Excellent adhesion to concrete
- Long processing time

## PROCESSING

### • Preparing the application surface

Make sure the surface is clean, repaired and sealed. The recommended processing temperature for the surface, the surroundings and the material is 15 to 25°C. Do not use below 10°C.

### • Mixing

Stir the base (component A) evenly before use. Add the full amount of hardener (component B) and mix mechanically (300 rev/min) until both components are homogeneous.

### • Application

#### Injection in concrete

EPICOL INJ LV is injected with a low pressure pump. Glue the injection packers on the crack and finish with a layer of EPICOL U. Alternatively use pre-drilled injection packers.

The injection starts at the lowest point for vertical applications, and at the smallest crack for horizontal ones. Start the injection in the first nipple. Inject the crack until the resin reaches the next injection nipple and repeat this procedure for each nipple until the crack is completely filled. Never mix more resin than can be used within the pot life. Rinse the pump with SOLVENT MEK.

EPICOL INJ LV is fully cured after one day and the injection nipples can be removed.

#### Adhesive

EPICOL INJ LV is an excellent adhesive for gluing flat parts together. Apply EPICOL INJ LV with a brush on the flat parts. Press these together for 24 hours.

### • Use

EPICOL INJ LV can be mechanically loaded after 48 hours.


## PACKAGING

EPICOL INJ LV	Comp A	Comp B
Set 3 kg	2,31 kg	0,69 kg

## TECHNICAL SPECIFICATIONS

Specific mass	approx. 1,1 kg/dm <sup>3</sup>
Viscosity at 25°C	85 mPa.s
Pressure resistance	>100 N/mm <sup>2</sup>
Tensile strength	>50 N/mm <sup>2</sup>
Bending strength	>60 N/mm <sup>2</sup>
Elongation at break	<2%
Adhesion to concrete	6 N/mm <sup>2</sup>
Adhesion to wet concrete	3,6 N/mm <sup>2</sup>
Adhesion to steel	>12 N/mm <sup>2</sup>
Pot life (100 g)	approx. 80' at 25°C
Mixing ration	A : B 100 : 30 (by weight)
Min. application temperature	+10°C
Hardening time at 20°C	Can be mechanically loaded 48 hours Can be chemically loaded 7 days
Curing	Non-shrinking
Shelf life	24 months

## CE CERTIFICATE

	
Resiplast NV, Gulkenrodestraat 3, B-2160 Wommelgem	
17	
EN 1504-5	
Products and systems for the protection and repair of concrete structures - Structural injections	
Adhesion by tensilebond strenght (EN 12618-2)	> 2 N/mm <sup>2</sup>
Adhesion by slant shear strenght (EN 12618-3)	Monolithic failure
Shrinkage (EN12617-2)	< 3%
Glass transition temperature (EN 12614)	> 40°C
Workability (EN 1771)	Crack width from 0.3 mm
Moisture state of the crack (EN 1771)	Dry, damp and wet
Durability (EN 12618-2)	Pass
Corrosion behaviour	Deemed to have no corrosive effect
Dangerous substances	Complies with 5.4

## USAGE

Is estimated by the engineer or user.

Is dependent on the amount of filling, the crack width and depth.

## APPEARANCE

A-component	Modified epoxy resins
B-component	Polyamine hardener
Colour	Transparent amber

## YOU WILL NEED TO SUPPLY

- Cleaning solvent for tools: MEK SOLVENT
- Injection nipples
- EPICOL U

## STORAGE

Store EPICOL INJ LV in a dry, well ventilated storage area between 5 and 35°C. 24 months shelf life.

If in doubt, contact RESIPLAST NV and provide the batch number on the package. Do not let the product get in contact with ground water, surface water or sewage systems. Dispose of contaminated packaging and remnants according to legal regulations.

## SAFETY

Carefully read the safety instructions before using EPICOL INJ LV. Products have a characteristic odour when being applied. Ensure there is sufficient ventilation, stay away from ignition sources and do not smoke. Avoid contact with skin. Eye irritation and/or sensitivity may occur during heavy vapour concentrations, inhalation and/or skin contact. Do not keep food products (food, beverages) in the same workspace. Always wear personal protective equipment according to local guidelines and regulations. Gloves and safety goggles are mandatory.

The above information is provided in good faith, but without any guarantees. The application, use and processing of the products are beyond our control and are, as such, the sole responsibility of the user/processor. In the event that Resiplast N.V. is still held liable for damages, then the claim will still be limited to the value of the goods delivered. We always aim to deliver consistently high quality goods. This version replaces all previous versions. Version 1.6 Date: 5 November 2020 4:04 pm