

# CONJECT EP

## Low Viscosity Epoxy Injection Resin

### Description:

CONJECT EP is a two components, low viscosity fluid epoxy resin, that once mixed it transforms into a very fluid mixture that can be injected either with a special pumping equipment or by dripping the mixture in to the cracks. It can also be used as an adhesive for gluing structural elements.

CONJECT EP is solvent free and it has good dielectric properties, which provides the steel reinforcement with cathodic protection.

### Uses:

CONJECT EP is used for structural restoring and consolidating of damaged concrete for beams, pillars, cement screeds cracks sealing, vertical and oblique anchorage with high pull out resistance, etc.

CONJECT EP is used for injecting into concrete and masonry cracks.

CONJECT EP is designed to seal and bond cracks widths between 0.2 to 0.8 mm.

### Advantages:

- Resistant to chemicals.
- Very fluid which makes it suitable for injection in fine cracks.
- Superior adhesive to substrate.
- Impermeable.
- Solvent free.
- Non shrinkage product.
- High mechanical characteristics.

### Instructions for Use:

#### Surface Preparation:

The support must be perfectly dry, solid, free from inconsistent parts, dust, grease, etc.

Mortar and new concrete must be cured for at least 2 weeks.

Running water must be stopped by using suitable material like HYDROPLUG.

### Mixing:

Pour component B (hardener) into component A (resin) and mix carefully, with an electric mixer till obtaining a homogeneous mixture. CONJECT EP should be applied with standard injecting equipment having closed containers. The Injection Pressure should be at least 3 bar. Use injecting packers which must be inserted into pre drilled holes along the length of the crack. The distance between packers depend on the crack width and depth. After fixing packers use epoxy mortar to seal between packers to allow the resin to penetrate from one point to the next one.

For crack injection, it is recommended to assign the job to an injection specialist.

In case of partial mixing, maintain the proportions in volume.

For horizontal cracks pour the product directly.

For ceiling and cracks bonding apply the product using a roller or brush.

### Consumption:

1.1 Kg. per 1 liter of cavity to fill.

### Packaging:

CONJECT EP is supplied as a kit of two components in metallic containers of 1 Lt or 4 Ltr Kit.

# CONJECT EP

TECHNICAL PROPERTIES	
Color:	: Transparent to yellowish
Appearance	: Fluid Liquid
Specific Density	: 1.05
Pot Life	: 90 minutes at 25°C 40 minutes at 35°C
Complete Curing	: 7 days
Temperature of Application	: +5°C to +35°C
Compressive strength after 7 days	: 70 N/mm <sup>2</sup>
Flexural strength after 7 days	: 45 N/mm <sup>2</sup>
Tensile Strength after 7 days	: 25 N/mm <sup>2</sup>

## Storage:

It must be kept in dry sealed containers and in dry environment, in these conditions the product will have a shelf life of 12 months.

## Limitations:

CONJECT EP should not be used to fill moving cracks.

CONJECT EP should not be used if there is running water pressure, stop the running water by suitable material before the product is applied.

## Health and Safety:

- Avoid contact with eyes or skin.
- In case of contact with eyes wash immediately with clean water and seek medical treatment.
- Wear suitable protective clothing, gloves and eye protection glasses.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

