



UCOGROUT-EP(L)

EG-136

Low Viscosity Epoxy Resin Grout

Product

UCOGROUT-EP(L) is a low viscosity epoxy grout for injection.

Composition

UCOGROUT-EP(L) is a low viscosity liquid based on epoxy resin with blended hardeners.

Description

UCOGROUT-EP(L) is a solvent-free low viscosity injection liquid based on high strength epoxy resin grouting systems formulated to give high strength material complies with ASTM C 881.87 type 1 class B.C .

UCOGROUT-EP(L) is ideal for repairing cracked structural members by injection for waterproofing, strengthening and for structural integrity.

Technical Data

Form	Liquid
Colour.....	Light Yellow (Mixed)
Density.....	Approx. 1.10
Gel time.....	20 to 30
Viscosity.....	200 ± 25 at 27 ⁰ C
Tensile Strength.....	30 N/mm ²
Bond Strength.....	35 N/mm ²
Application Temp.....	10 ⁰ C to 40 ⁰ C

Advantages

- Excellent Chemical and weathering resistance
- High compressive, flexural and tensile strength
- Non-shrink
- Excellent adhesion to steel and concrete
- Pre-packed and ready to use
- Dynamic load resistance
- Usable at low temperature
- Solvent-free and low odor
- Extremely durable
- Resistance to impact and vibration

Purpose

UCOGROUT-EP(L) is used to fill and seal cavities and cracks in structural components such as columns, beams, foundations, decks and water retaining structures.

Where to Use

- Injection of cracks in concrete brickwork and masonry.

Method of Use

Crack surfaces must be clean, free from standing water and loosely adhering particles; cement laitance and foreign particles should be removed. Mix both resin and hardener together for at least 3 minutes with a mixing peddle attached to slow speed electric drill until smooth consistency and homogeneous mixture of uniform colour achieved.

Use automated injection equipment or manual method set appropriate injection parts based on system used. Inject UCOGROUT-EP(L) with steady pressure after adhesive seal has cured. Minimum crack width for application 0.1 and 4mm respectively. Minimum age of new concrete 28 days. Not to be injected under hydrostatic pressure.

Packing

1 and 5 KG packing

Strength Results

Ultimate Strength at 30°C	N/MM ²
Compressive	70.0
Tensile	30.0
Bond	3.5

Storage

- UCOGROUT-EP(L) has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing. Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

Handling Precaution

- UCOGROUT-EP(L) is an industrial chemical; required handling precautions should be followed.
- UCOGROUT-EP(L) is non-flammable and doesn't contain any flammable ingredient.
- UCOGROUT-EP(L) is non-hazardous, however inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

Important Note:

All products should be used in accordance with manufacturers instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

INNOVATIVE
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