



## UCOGROUT-EP

EG-135

### Ultra-High Strength Pourable Epoxy Resin Grout

#### Product

UCOGROUT-EP is three components a highly filled free flowing ultra-high strength epoxy grout.

#### Composition

UCOGROUT-EP is a combination of epoxy resin with blended hardness and graded fillers.

#### Description

UCOGROUT-EP is a three-component solvent-free pre-packed ready to use high strength non-shrink pourable filled grouting system. UCOGROUT-EP has the better flow properties at lower temperatures, this improved fluidity together with its longer usable life enable it to be placed in awkward and inaccessible gaps.

UCOGROUT-EP is supplied as the resin hardener and filler. The grout has a creamy consistency and his readily powered or trowelled when mixed.

UCOGROUT-EP has excellent bonding property with steel and concrete it has negligible shrinkness and UCOGROUT-EP is excellent chemical and weathering resistance.

#### Technical Data

Form .....	Liquid and Powder
Colour.....	Light brown
Density.....	Approx. 108 kg /ltr
Pot life .....	30 mins at 27 <sup>0</sup> C
Viscosity.....	135 poises at 15 <sup>0</sup> C
Application Temp.....	10 <sup>0</sup> C to 45 <sup>0</sup> C

#### Advantages

- Non-Shrink
- Free-flow
- Ultra-High strength
- Excellent adhesion to steel and concrete
- Excellent weathering and chemical resistance
- Pre-packed and ready to use
- Self-cured material
- Resistance to vibration and impact

#### Purpose

UCOGROUT-EP is meant for the precision grouting of crane, Tracks, heavy machinery, heavy-duty rails, studs and dowel bars, fixing bolts and anchors. UCOGROUT-EP is also used for bonding concrete-to-concrete and concrete- to steel.

#### Where to use

- Machine based plates and crane-rail grouting.
- Fixing bolts and anchors.
- Joining concrete to concrete-to concrete and concrete-to-steel.
- Anchoring to steel reinforcements, girders and post-tensioned cables in concrete and stone.

#### Method of use

1. Surface Application:

Surface should be sound, free from any contaminations, latence, oil and grease.

- As supplied the grout consist of 3 components the hardener should be added to the resin and the two components thoroughly mixed preferable with mechanical means until a uniform liquid is obtained then add filler and continue mixing until homogeneous flowing mortar achieved. No surface priming is necessary the material should be allowed to stand for 5 mins. Prior to use to allow desecration to occur for large volume apply in more than on layer.

#### Yield

10 KG pack yield approx. 5 Litre of grout

#### Packing

10 KG (3 components)

#### Strength Results

Ultimate Strength at 30 <sup>0</sup> C	N/MM <sup>2</sup>
Compressive	100.0
Tensile	15.0
Flexural	40.0

#### Storage

- UCOGROUT-EP 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 is an industrial chemical; required handling precautions should be followed.
- UCOGROUT-EP is non-flammable and doesn't contain any flammable ingredient.
- UCOGROUT-EP 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 manufacturer's 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.

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MARKETING**

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