

## EAMIGROUT EPM/P

### Solvent-Free, High Performance, Free Flowing Epoxy Resin Grout

#### Product Description

EAMIGROUT EPM/P is a three components, solvent free (100 % solids) epoxy grout which is based on a combination of special selected high strength epoxy resin & well selected graded aggregate. It is supplied as per-weighted three component pack, which after mixing will produce a free flowing, non-shrink, excellent adhesion to concrete & masonry surfaces.

EAMIGROUT EPM/P achieves high chemical resistance and high mechanical and physical epoxy grout properties.

#### Typical Applications

EAMIGROUT EPM/P is formulated for successful application in tough situation requiring high flow, non-shrinking, high strength and high chemical resistance. These applications includes :

- Seating machinery subject to bearing load.
- Grouting chemical manufacturing equipment.
- Bridge bearing plates .
- Setting anchor bolts , dowels and rebar.
- Pile heat treatment.
- High load rail grouting.
- To fill cavities in concrete.
- In repair of damaged concrete in areas subject to chemical attack.

#### Product Features

- Solvent-free , odorless.
- Excellent flow properties & self-leveling in base plate or anchor bolt forms .
- Self priming.
- Non -shrink & minimum creep.
- Resisting chemicals. .
- High strength & superior mechanical properties.
- Excellent bonding.
- Low exothermic cure, which allows placement up to 75 mm thickness .
- Specially formulated to be suitable for the Middle East Climates.

#### Guide for Application Surface Preparation

All surfaces must be sound, clean, free from water, oil , grease & other contaminants, which may affect the bond between the grout & the substrate. Primer is not required.

#### Form Work Preparation

Form work must be well tight to prevent any possible leakage.

Mix component A & B together until homogeneity, then add the component C (aggregate) & continue mixing using a slow speed electric drill (about 250 rpm) until a homogenous flowing mix is achieved.

Add component C (aggregate) to the mixed epoxy binder gradually while mixing.

### Technical Properties

<b>Appearance</b>	Yellowish flowable mortar (mixed materials)
<b>Mixed Density</b>	2.0 ± 0.10 kg/Liter
<b>Pot life</b>	50-60 minutes at 30°C
<b>Chemical Resistant</b>	EAMIGROUT EPM/P is resistant to most of the common chemical
<b>Flash Point</b>	> 100°C
<b><u>Mechanical Properties</u></b>	Typical results for samples cured for 7 days at 25°C , carried out under controlled laboratory conditions.
<b>-Compressive strength</b>	Tested in accordance with ASTM D- 695 90 N/mm <sup>2</sup> (± 10 % ) depending on mixing, application & site condition
<b>-Flexural Strength</b>	25 N/mm <sup>2</sup>
<b>-Bond Strength</b>	(14-days cure) Tested in accordance with ASTM C-882
<b>To concrete</b>	3-4 N/mm <sup>2</sup> ( concrete failure)
<b>To steel</b>	15-20 N/mm <sup>2</sup>
<b>-Temperature Range</b>	(- 20°C to + 60 °C)
<b><u>Note :</u></b>	The above tests are carried out under controlled laboratory conditions.

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## Application

EAMIGROUT EPM/P is self leveling. Normally roding or vibrating is not required. When applying the grout under base plates, pour grout into form while maintaining liquid head until grout rises slightly above & around base plates. This assures proper contact & bonding of the base-plates with EAMIGROUT EPM/P. Pour in layers of 15-20 mm with max. depth of 75 mm.

A grout box will facilitate the application.

## Cleaning

Clean all the tools & equipment with EAMIC SOLVENT immediately after use.

## Packaging

EAMIGROUT EPM/P is supplied in 21 kg, which yields 10.5 liters.

## Storage

EAMIGROUT EPM/P should be kept in dry warehouse away from any extreme temperature.

## Shelf Life

One year when stored in its original unopened package.

## Health and Safety

- Epoxy resins contain irritants, especially to the skin, eyes.
- Use appropriate protective clothing.
- If an epoxy resin should contact the skin, it shall be removed immediately with dry cloth or paper towel, & the area of contact washed thoroughly with soap water.

## Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied. This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose. EAMIC TRETOL services are free & the company does not accept liability for any loss arising from it. Max liability is limited to substituting the same quality of material .

# **EAMIC TRETOL**

**Leaders in Construction Chemical Technology**

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