

EAMIGROUT EPM/H

High Performance Epoxy Grout

Product Description

EAMIGROUT EPM/H is a high performance epoxy grout designed for grouting machine & equipment base plates of all types.

EAMIGROUT EPM/H is formulated to be used deep placement, with excellent mechanical properties & high resistance to many corrosive chemicals. EAMIGROUT EPM/H provides excellent bond to foundation & with maximum distributed bearing.

Typical Applications

- Under equipment with high vibration.
- Tanks, turbines base.
- Post tension projects.
- Large / deep volume.
- Foundation for base plates & steel columns.

Product Features

- High chemical resistance.
- Lower exothermic than most epoxy grouts.
- Excellent bearing.
- Excellent bond to base plates.
- Stable in deep placements.
- Non-shrink curing.
- Excellent performance & durability.
- Ensures proper transmission of static & dynamic loads.
- Easy to mix & apply.

Standards

EAMIGROUT EPM/H is formulated to comply with all requirements of ASTM C-881: "Epoxy resin based Bonding Systems for concrete."

Guide for Applications

Surface Preparation

All surfaces shall be sound, clean and free from dust, oil & grease or any contaminants that may affect the bond between the product and substrate. Metal surfaces shall be free from rust & scale.

Formworks

EAMIGROUT EPM/H requires formwork to perform the optimum performance. Formworks usually are wood, same used in concreting. Formwork should be of proper strength and tight preventing any leakage.

Mixing

Pour Component A into the mixing vessel and pour also Component B into the same vessel and mix well till homogenous clear colour is achieved. Gradually add Component C (Filler) while mixing, continue mixing till homogenous mortar colour and consistency is achieved. The mixed materials shall be used immediately after mixing within the open time: 45-75 minutes @ 25 °C.

Technical Properties

Appearance	Free flow Mortars (Mixed Components)
Specific Gravity @ 20°C	2±0.1
Pot Life @ 25 °C	60±15 - minutes. (Mixed Components)
Flash Point	> 200 °C
Water Absorption	0.10 (ASTM D-570)
Compressive strength (N/mm²),	75±5 after 7-days, ASTM D-695
Flexural strength (N/mm²), (ASTM D-638)	40 (ASTM D-638)
Tensile Strength (N/mm²), (ASTM D-638)	15 (ASTM D-638)
Bond Strength to Concrete, N/mm²,	4(ASTM C-882)
Coefficient of thermal Expansion	42 x 10 ⁻⁶ mm/mm/°C
Bond of steel bars anchors, N/mm²	15

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Placement

EAMIGROUT EPM/H Place immediately after mixing, into the prepared area and use a steel trowel to level.

Cleaning

Clean all tools & equipment after finishing the work immediately with EAMIC SOLVENT EP20.

Packaging

EAMIGROUT EPM/H is supplied as 3-component: 21-Kg kit.

Storage

EAMIGROUT EPM/H should be stored in normal conditions away from any extreme temperatures.

Shelf-life

12 months in proper storage conditions in well - sealed containers.

Health & Safety

- EAMIGROUT EPM/H is non-toxic, non-hazardous during handling, storage and use. In spite of this, safety cloth, goggles, gloves and mask shall be used during handling.
- For Ecology: Do not dispose directly to water or soil, re-use it if possible or mix each component (A and B) and after hardening bury it in landfill.
- Splashes on skin will be washed with water and soap.
- For more details, refer to Product's MSDS.

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.

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