

EAMIGROUT PH

High Performance, High Strength, Non Shrink & Non Oxidized Free Flowing Cementations Grout

Product Description

EAMIGROUT PH is ready to use high performance, high strength, non-oxidized, non-shrink, cementitious grout which requires only the addition of water to produce non-shrink plastic & flowable mortar. EAMIGROUT PH contains selected Portland cements, special aggregates, shrinkage compensating materials (including expansive cement) and modifiers that permits to be applied in an ordinary and high thickness by pouring or pumping without any problems.

Typical Applications

EAMIGROUT PH is formulated to be used as non-shrink, high strength cementitious grout in:

- Anchor bolts, ceain rails.
- Grouting beneath bridge bearing.
- Milling Machines.
- Pre-cast elements.
- Generators & turbines.
- Reinstatement of damaged, affected concrete by partial or total replacement.
- Heavy stanchion bases and base plates for reciprocating machines.
- All similar

Product Features

- Easy to mix and to apply.
- Non oxidized.
- Does not contain gas releasing agent.
- Non-shrink.
- Adjustable consistency.
- High mechanical properties.
- Low permeability ensuring durability.
- Non-toxic and does not contain any harmful ingredients.
- High early and ultimate strengths.
- Chloride and nitrate free.
- High bond strength to concrete and steel.
- Heat resistance properties.
- Can be applied by pouring or pumping.
- Formulated for the Middle East Climates.

Standards

EAMIGROUT PH is formulated to comply with all requirements of ASTM C-1107: "Packaged Dry, Hydraulic – Cement Grout (Non-shrink)" Grade A & B

Technical Properties

Appearance

Grey free-flowing powder

Mixing Water / 25 Kg

Plastic & flowable consistency: 3.50– liters : 3.750-Liters

Yield

12.50 - 13-liters

Specific Gravity @20 °C (wet)

2.1 – 2.2.

Setting Times @ 20 °C

Initial: 4-hours and final Setting times: 5-6-hours

Compressive Strength (N / mm²)

It will influenced with the consistency:

Flowable

Plastic

After 24-hours

30

40

After 7-days

65

70

After 28-days

75

80

Flexural Strength (N/mm²)

After 28-days

13

14

Modulus of Elasticity

> 2800 MPa

EAMIGROUT PH

Guide for Application

Surface Preparation

The surfaces should be clean, sound, and free from oil & grease and contaminants. Metal surfaces should be free from scale and rust. Absorbent surface should be saturated thoroughly

Mixing

The exact amount of water added to the pre-mixed powder in a quantity sufficient to achieve the required consistency.

Plastic Mix Consistency : 3.5 lit./25kg bag

Flowable Mix Consistency: 3.75 lit./25kg bag.

Use clean, potable water for mixing. Place carefully the measured water into the mixing container, then add powder gradually. Use a mechanical mixer on low speed drill (500rpm), mix for approximately 5 minutes until a smooth even consistency is achieved. It is not recommended to mix more than what can be placed in 60 min. and no re-tempering (Adding water) to restore workability.

Placement

Grout should be placed continuously from one side, avoiding the entrapment of air pockets. Provide vent holes for large base plates. Voids should be removed rodding, strapping or vibrating, (avoid excess vibration

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 .

Curing

After placement, keep exposed surface damp. Cure grout at least three days by applying a membrane curing compound of EAMICURE range. Protect placed micro grout from extreme heat or cold & drying at least 3 days.

Cleaning

Clean all the tools and the equipment immediately after use with clean water.

Packaging

EAMIGROUT PH is supplied in 25 kg well sealed bag.

Shelf Life

12 months when stored as recommended.

Storage

It should be kept in dry warehouse away from any source of moisture.

Health and Safety

- EAMIGROUT PH is non hazardous and non toxic.
- Any splashes on skin should be washed with water.
- Seek medical assistance in case of contact with eyes, after washing it with running water.

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Leaders in Construction Chemical Technology

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