

FARCO TOP EP300

Epoxy Resin Based Repair Mortar with Three Components

Product Description

FARCOTOP EP300 is a 3 component Non shrink, thixotropic repair mortar for vertical, over head and horizontal surfaces with high chemical and mechanical properties based on solvent free epoxy. EP300 is able to be applied up to 5 cm thickness in a layer.

Uses

- Repairs to concrete beams, columns, floors and walls
- Repair of insitu and pre-cast concrete.
- Protection of steel reinforcement when the removed faulty cover is thin and should be protected in corrosive areas.
- Repair to industrial floors, sewage and water treatment plants and places which are in contact with sea water.

Advantages

- Pre-weight components
- Durability
- Non shrink and thixotropic compound
- Easy application
- Excellent adhesion
- High mechanical strength and high chemical resistance

Chemical Resistance

FARCOTOP EP300 has a good resistance in contact with many kinds of chemical solutions such as: Mineral oils, water and sea water and weak acids.

Remark: If there is a particular chemical solution with strong reaction properties, it is recommended to consult with Technical Department of SHIMISAKHTEMAN

Technical Data

Chemical Composition	3component epoxy
Color	Grey
Solid Content	100%
Mixing ratio(A,B,C)%	1:0.5:4.2
Pot life @25 °c	Approx:45min
Drying time@25 °c	Approx:120min
Light Traffic@25 °c	1 day
Full Cure@25 °c	7 days
Compressive Strength	>700 kg/cm ²
Flexural Strength	>250 kg/cm ²
Specific Gravity kg/l	1.8±0.02

Instruction for Use

Surface Preparation

The substrate must be firm, clean, dry and free from all contamination (e.g. oil, grease, fats, chemicals, rust, paint, form release and curing membrane residues, etc.). All loose particles and excess laitance should be removed by mechanical or chemical methods. The freshly applied cementitious mixtures must be cured at least 28 days.

Priming

In order to improve the surface properties and enhance the adhesion of mortar to the substrate apply a layer of primer which is a mixture of only Parts A and B, apply EP300 while the primer is steel tacky. The pot life @ 25 °c is about 30min, if it dries before mortar application; recoat it with newly prepared primer.

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Mixing

For optimum performance, all components should be conditioned between (18°C and 25°C) prior to use. Pour all Component B (hardener) into pail containing Component A (resin). Mix thoroughly by gloved hand or slow speed mixer to avoid air entrapment. Pour mixed liquids into mortar mixer. While mixing, slowly add Component C (aggregate) and mix until a homogenous and lump free mixture is achieved.

Application

It can be applied by variety of instruments such as trowel, scraper or filling knife on to the prepared surface.

Cleaning

Uncured material may be cleaned from application tools, etc. by using thinner. Cured material can only be removed mechanically.

Consumption

It depends on the surface condition but as a guide, it is about 18kg/m² for 1cm.

Packaging

EP300 is supplied in 5.7 kg sets as:
A=1000 g, B=500 g, C=4200 g

Shelf life and Storage

EP300 has a shelf life of 12 months if kept in a dry store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

Technical Service

The SHIMISAKHTEMAN Technical service Department is available to assist you in the field and correct use of our products.



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