

eile EPX 300

Two-Component, Adherence Augmenter and Corrosion Preventing Epoxy Resin Based Mortar

Description

eile EPX 300 is an epoxy resin based material with two-component, liquid, solvent-free which prevents reinforcement to corrode and augments adherence between old and new concrete or is used to bond two different materials.

Areas of Usage

- *In places which caution to be taken against corrosion,
- *To augment adherence of old concrete to new concrete,
- *To adhere materials such as concrete, steel and iron to each other.

Features of Product

- *It is easy to apply.
- *It can be applied with a brush or roller,
- *It protects reinforcement from moisture and prevents corrosion.
- *It protects reinforcement against wear and corrosion.
- *It provides perfect adherence between two concretes.
- *It is solvent free.

Application Procedure

Surface preparation

The surfaces should be clean and durable, material residues such as oil, grease, paint, rust and paraffin should be removed and loose parts should be cleaned with air or mechanical methods.

Mixing

B component should be added to A component and it should be mixed with a low speed mixer for 3-4 minutes until a homogeneous mixture is obtained. After the first mixing, it should be taken to another clean container and mixed again. After this procedure, material is ready to use.

Mixture Ratios

A component/ B component: 2/1 (by weight)

Application Method

The homogeneous mixture is applied on surface with a brush or roller. When it's used as adherence augmenter material, new concrete is poured on old concrete when **eile EPX 300** is still wet.

Consumption

Depending on the application surface 0,8-1 kg/m²

Points to take into consideration

- *On very hot, windy and rainy weathers and if ambient temperature is under +10 °C or over +35°C, no application should be done.
- *For the applications to be done on very cold weathers, the ambient and floor temperature should be increased with heaters.
- *The application should be done by expert persons.
- *In order to cure the material fully, the ambient and floor temperature should be within the recommended range.

Cleaning of the Tools

Pomex thinner

Package

Set: 4,5 kg

A component: 3 kg can

B component: 1,5 kg can

eile EPX 300

Technical Specifications

Structure of the Material	A component: epoxy resin B component: epoxy resin hardener
Gel time	30 minutes (20 °C)
Application thickness	min. 10 mm max. 40 mm
Concrete adherence strength	≥ 2,5 N/mm ²
Mechanical strength time	7 days (20 °C)

Storage

It should be stored in unopened original package in a cool and dry place and over +5°C and under +35°C away from direct sunlight.

Shelf Life

Shelf life is 12 months from production date in stated storage conditions.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş., the producer of eile POMEX branded products.** The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

Note: **eile POMEX** reserves the right to improve/revise the product and this technical document over time. This Technical Data Sheet supersedes the former Technical Data Sheet released for this product. The user must make sure that the available technical document is the latest updated version. If necessary, our company must be contacted to inquire the updating status of the document. AUGUST 2014