

eile EPX 300

Two-Component, Adhesion Promoter and Corrosion-Preventive Epoxy Resin-Based Mortar

Description

eile EPX 300 is a two-component, fluid consistency, solvent-free material designed to prevent the corrosion of steel reinforcement and improve adhesion between old and new concrete. It is an epoxy resin-based material.

Areas of Use

- In areas where corrosion prevention is required
- To enhance the adhesion between old and new concrete
- For bonding materials such as concrete, steel, and iron to each other

Product Features

- Easy to apply
- Can be applied with a brush or roller
- Protects reinforcement from moisture and prevents corrosion
- Provides protection against abrasion and corrosion
- Ensures excellent bonding between two concrete layers
- Solvent-free

Application Procedure

Surface Preparation

Surfaces must be clean and solid. Remove any residues that reduce adhesion, such as oil, grease, paint, rust, or paraffin, and loose particles should be cleaned using air or mechanical methods.

Mixing

Component B should be slowly added to component A and mixed with a low-speed mixer for approximately 3-4 minutes until a homogeneous mixture is obtained. After the initial mixing, the mixture must be transferred to a clean container and mixed again. After this process, the material is ready for use.

Mixing Ratio

Component A / Component B: 3/1 (by weight)

Application Method

The mixed homogeneous material is applied to the surface with a brush or roller. When used as an adhesion promoter, the new concrete should be poured onto the old concrete while *eile EPX 300* is still wet.

Consumption

0.8-1 kg/m², depending on the surface

Points to Consider

- Application should not be done in extreme heat, windy, or rainy weather. It should also not be applied when the ambient temperature is below +10°C or above +35°C.
- For applications in extremely cold weather, the ambient and surface temperature should be maintained with heaters.
- The application should be performed by experienced professionals.
- To ensure the material fully cures, the ambient and surface temperatures should remain within the recommended range.

Cleaning of Tools

Tools should be cleaned with *Pomex* thinner.

Packaging

Set: 4.5 kg

- Component A: 3.375 kg tin container
- Component B: 1.125 kg tin container

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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

Store in its unopened original packaging at temperatures between +5°C and +35°C. Protect from direct sunlight and frost. Opened products should be stored in their original packaging with the lid tightly closed.

Shelf Life

12 months from the production date. The production date is indicated on the packaging.

Safety Recommendations: During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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