

eile EPX 50

Epoxy Based, Two-Component, Thixotropic Anchoring, Mounting and Adhesive Epoxy Repair Resin

Description

It is an epoxy resin-based, solvent-free, two-component, non-shrinking, paste-consistency, thixotropic mortar for anchoring, coating, mounting, and bonding.

Areas of Use

- *Fixing of injection packers, anchoring of rods
- *Bonding marble, granite, and natural stone
- *Rebar anchoring in concrete and stone walls
- *Bonding materials of different structures
- *Mounting and bonding metal and steel parts to concrete elements
- *Concrete repair
- *Fixing guardrails on bridges and viaducts
- *Anchoring bolts and pins
- *Bonding elastic expansion joints

Product Features

- *Has paste consistency and thixotropic properties
- *Easy to apply
- *Provides early strength
- *Cures without shrinkage
- *Suitable for overhead applications
- *Excellent adhesion to concrete and steel

Application Procedure

Surface Preparation

The surface to be applied must be clean, free of oil, dirt, and loose particles.

Mixing

Component B should be poured into component A, ensuring no material remains inside component B. Mix with a low-speed mixer for 3-4 minutes until a homogeneous consistency is achieved, making it ready for use.

Mixture Ratio: by weight 3:1

Application Method

If the prepared mixture is to be used for rod anchoring or rebar placement, a filling gun should be used. The material can also be easily applied to concrete or steel surfaces using a trowel or spatula.

Package

Set: 6 kg
A Component: 4,5 kg. can
B component: 1,5 kg can

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.

Technical Specifications

Structure of the Material	Epoxy resin – hardener and mineral fillings
Colour	Grey
Compressive Strength	50-60 N/mm ² (7 days)
Adherence to concrete	≥ 2 N/mm ²
Bending strength	20- 30 N/ mm ²
Mixture exposure time:	60 minutes 20 °C
Adherence stress:	10-11 N/mm ²

The above-mentioned values are obtained as a result of laboratory experiments. They may vary due to difference ambient in sites.

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Consumption Table

Reinforcement Diameter (mm)	Hole Diameter (mm)	Hole Depth (mm)	Necessary Material (ml)	Ironstone number to be planted (Piece)
10	14	140	11,6	320
12	16	160	15,3	240
14	18	180	20	185
16	20	200	25	150
18	22	220	30,5	120
20	24	240	37	100
22	26	260	43,2	85
24	28	280	50,4	75
26	30	300	58,2	65
28	32	320	71,5	52

Ironstone number which may be planted with 1 set (6 Kg) **eile EPX 50** is calculated. The material wastage is considered 5% in calculations.

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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