

# eile EPX 50

## Epoxy Based, Two-Component, Thixotropic Anchorage and Mounting Epoxy Repair Resin

### Description

It is epoxy resin based, solvent free, two-component, non-shrinking, pasty and thixotropic anchorage, coating, mounting and adhesive mortar.

### Areas of Usage

- \*Fixing of grout packers. Stub anchorage.
- \*Ironstone planting on concrete and stone walls.
- \*Adhering of different structure materials.
- \*Mounting and adhering of metal and steel parts to concrete elements.
- \*Concrete repair.
- \*Fixing of guardrails of bridges and viaducts.
- \*Anchoring of bolts and pins.
- \*Adhering of elastic dilatation tapes.

### Features of Product

- \*It is pasty and thixotropic.
- \*It is easy to apply.
- \*It provides early strength.
- \*It hardens without shrinking.
- \*It is appropriate for overhead applications.
- \*It perfectly adheres to concrete and steel.

### Application Procedure

#### Surface Preparation

The application surface should be cleaned from oil, dirt and loose parts.

#### Mixing

B component is added into A component and there is no material in B component. The mixture is mixed for 3-4 minutes with a low speed mixer until it gets homogeneous grey colour and it's ready to use.

**Mixture Ratio:** by weight 3:1

### Application Method

If mixture is used in rod anchoring and ironstone planting, use sealant gun. The material can be easily applied on concrete or steel surface with a trowel or a scraper.

### Package

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

### Storage

It should be stored in unopened original package between +5 °C and +35 °C. It should be protected from direct sunlight and frost. An opened product should be stored in original package by closing its cover.

### Shelf Life

Shelf life is 12 months from production date. The production date is on the package.

### Technical Specifications

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

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

# eile EPX 50

## 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:** 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