

## Epoxy Based, Two-Component, Thixotropic Repair, Anchorage and Adhesive Mortar

### Description

It is two-component, solvent free, thixotropic, pasty, high strength adhesive and cast mortar.

### Areas of Usage

- \* Fixing of grout packers.
- \* Ironstone planting on concrete and stone walls.
- \* Stub anchorage.
- \* 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.
- \* Elastic

### Features of Product

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

### Application Procedure

#### Surface Preparation

The application surfaces should be cleaned from oil, dirt, loose parts, cement grout on concrete surfaces and parts which may prevent adherence. If necessary, a plaster application should be done.

#### Mixing

A and B components should be mixed for 3-4 minutes at least with a low speed mixer by paying attention to mixture rates until it gets a homogenous grey colour. After mixing, the material is ready to use. If mixture is used for rod anchorage and ironstone planting, use a sealant gun. The material can easily be applied with a trowel or scraper.

#### Mixture Ratio

3:1 by weight

### Application method

\*The surfaces should have sufficient resistance. Concrete should have 25 N/mm<sup>2</sup> compressive strength and 1,5-2 N/mm<sup>2</sup> tensile strength minimum.

\*The surface should be clean, smooth and dry. The moisture rate of the surface should not exceed 5%. If the rate is over this value, use moisture surface epoxy plaster.

\*When applying on steel surfaces sand blasting SA 2/5 should be done.

\*It should avoid temperatures under +10°C and over +30°C in humid ambient. During application, floor temperature should be over 3°C of dew point minimum.

\*Pay attention to mixture rates.

\*Wait 12 hours minimum between coats. (at 20°C)

\*After 12 hours at 20°C, you can walk on it.

### Points to take into consideration:

- This product is for professional use.
- Read carefully security warnings on the package before use.
- See Material Security Information Document if necessary.
- Do not inhale, avoid contacting with skin and eye, do not swallow, use appropriate work safety materials.
- Take precautions for fire and explosion danger and environment not to be polluted.
- Apply it in well ventilated ambient.

### Package

A Component: 4,5 kg. can

B Component: 1,5 kg. can

Total: 6 kg. / set

### Storage

\*The product should be stored between 5-35°C.

\*The product should not be exposed direct sunlight.

\* 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>Colour</b>	: Light grey
<b>Brightness</b>	: Matt
<b>Specific Weight</b>	: 1.60 (±0.05)
<b>Solid matter</b>	: % 100
<b>Consumption</b>	: 1-2 mm thickness 1,7-3,5 kg/m <sup>2</sup>
<b>Compressive strength</b>	: 60-70 N/mm <sup>2</sup> ( after 7 days)
<b>Adherence stress</b>	: > 12 N/mm <sup>2</sup>
<b>Adherence to concrete</b>	: 2 N/mm <sup>2</sup>
<b>Bending strength</b>	: 30-40 N/ mm <sup>2</sup>
<b>Application methods</b>	: Trowel, scraper
<b>Mixture exposure time</b>	: 30 minutes 20°C,
<b>Waiting period between coats</b>	: 24 hours
<b>Curing Times</b>	
<b>Mechanical Strength</b>	: 30°C / 10 hours - 20°C / 12 hours - 15°C / 24 hours
<b>Chemical Strength</b>	: 30°C / 6 days- 20°C / 7 days - 15°C / 9 days

The abovementioned values are nominal values in standardized formulas by **eile POMEX Yapı Kimyasalları**. In normal manufacturing conditions, deviations anticipated by international standards may occur.

<b>1020</b>
POMZA EKSPORT SAN. TİC. AŞ.-EİLE Ankara Asfaltı Belkahve Mevkii 476/A Kavaklıdere Köyü-Bornova-İzmir/ Türkiye 12 TS EN 1504-6 EPOXY BASED REPAIR AND ANCHORAGE MATERIAL
Chloride ion content: ≤ %0,05 Extraction Strength ≤ 0,6 mm Creep with tensile load effect: 0,1 mm Reaction to Fire class: E Glass transition temperature: ≥ 45 °C

## 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 100** 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