

Epoxy-Based, Two-Component, Thixotropic Repair, Anchoring, and Adhesive Mortar

Description

A two-component, solvent-free, thixotropic, paste-consistency, high-strength adhesive, anchoring, and mounting filler mortar.

Areas of Use

- *Fixing of injection packers
- *Rebar anchoring in concrete and stone walls
- *Rod anchoring
- *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
- *Used for bonding *eile FC 805 SYSTEM* expansion and chamfer tapes

Product Features

- *Has paste consistency and is easy to apply
- *Provides early strength
- *Cures without shrinkage
- *Suitable for overhead applications
- *Bonds perfectly to concrete and steel
- *Resistant to chemicals

Application Procedure

Surface Preparation

The surfaces to be applied must be clean, free of oil, dirt, loose particles, and cement laitance on concrete surfaces, as well as other elements that may prevent adhesion. A primer may be applied if necessary.

Mixing

Component A and B should be mixed at the specified ratios using a low-speed mixer for at least 3-4 minutes until a uniform gray color is achieved. After mixing, the material is ready for application. 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 with a trowel or spatula.

Mixture Ratio

3:1 by weight

- *Surfaces must have sufficient strength. Concrete should have a minimum compressive strength of 25 N/mm² and a tensile strength of at least 1.5-2 N/mm².
- *The surface should be clean, smooth, and dry. The moisture content of the application surface should not exceed 5%. If the moisture level is above this value, an epoxy primer for damp surfaces should be used.
- *When applying to steel surfaces, sandblasting should be performed to SA 2/5 grade.
- *Avoid application in environments below +10°C and above +30°C. During application, the surface temperature should be at least 3°C above the dew point.
- *Pay attention to the mixing ratios.
- *A minimum waiting time of 12 hours between coats is required (at 20°C).
- *At 20°C, the surface will be walkable after approximately 12 hours.

Points to Consider:

- *The product is for professional use.
- *Pay attention to the safety warnings on the packaging before use.
- *If necessary, refer to the Material Safety Data Sheet (MSDS).
- *Do not inhale, avoid contact with skin and eyes, and do not ingest. Use appropriate personal protective equipment.
- *Take necessary precautions to prevent environmental contamination.
- *Apply in well-ventilated areas.

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.

Application method

Technical Specifications

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

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: 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. **Liability:** POMZA EXPORT A.Ş., the producer of **eile POMEX**-branded products, cannot be held responsible for any improper applications (misuse) due to non-compliance with the above-mentioned recommendations and application conditions. It is the responsibility of the applicator to ensure that the product is used according to its intended purpose and that the application conditions and methods are valid. **eile POMEX Construction Chemicals** does not accept any claims for compensation arising from failure to apply the products as recommended, work-related accidents, or any direct or indirect damages.

Note: **eile POMEX** reserves the right to make developments or revisions to the product and this technical document over time. This Technical Data Sheet invalidates any previous versions published for this product. Users must ensure they have the most up-to-date version of the technical document. If necessary, contact the company to verify the document's currency.