

Epoxy Acrylate-Based Thixotropic Anchoring and Mounting Mortar (Chemical Anchor)

Description

A two-component, epoxy acrylate-based, fast-curing anchoring and mounting material.

Certified to EN 1504-6 CE.

Ministry of Environment and Urban Planning Pos. No: 04.613/8E

Areas of application

- *Mounting of window frames, shutters, lamps, pipes, and satellite antennas
- *Installation of toilets, bathroom fixtures
- *Rebar anchoring, dowel installation
- *Mounting of advertisement boards, road signs, doors, railings, handrails, and awnings
- *Suitable for covering cracks in epoxy injection work
- *Appropriate for use in damp and wet environments as it can cure in such conditions.

Product Features

Rapid curing. Can be used with standard guns. Has a high load-bearing capacity. Economical in consumption. Suitable for use in water-filled or damp drilled holes as it can cure underwater.

Application Procedure

Surface Preparation

The application surface 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 must be clean, smooth, and solid. Pay attention to the cleanliness of the anchor holes.

Application

The surface to be applied must be clean. It should be free of oil and dirt, and all loose materials that may reduce adhesion should be removed. Drill the anchor hole with a drill. Clean the drilled hole with a wire brush and compressed air. Attach the mixing nozzle to the cartridge. Squeeze until a uniform color is achieved using the special gun. Do not use the first product that comes out of the mixer. Begin filling the hole starting from the bottom. Insert the connecting element by turning it into place. Remove any excess material from the surface before it hardens. Do not touch the connecting element before full curing is achieved.

Mixture ratio

By volume A:B 10:1

Technical Specifications

Color: Gray
Gloss: Matte
Specific Gravity: 1.55 (±0.05)
Mix Ratio: 10:1 (by volume)
Adhesion Tensile Strength: ≥ 10 N/mm²
Displacement Under 75 kN Load: ≤ 0.6 mm
Chloride Ion Content: ≤ 0.05%
Glass Transition Temperature: At least 45°C
Deformation Under Tensile Load: ≤ 0.6 mm
Fire Reaction: D-s2, D0

The values reported above are nominal values from standard formulations by **eile POMEX Building Chemicals**. Under normal production conditions, deviations within the range specified by international standards may occur.

Points to Consider

The product is for professional use. Before using, pay attention to the safety warnings on the packaging, and if necessary, refer to the Material Safety Data Sheet (MSDS). Avoid inhalation, contact with skin and eyes, and ingestion. Use appropriate personal protective equipment. Take the necessary precautions to prevent fire hazards and environmental contamination. Apply in well-ventilated areas.

Packaging

345 ml standard cartridge, 12 cartridges per box.

Storage

Store in its unopened original packaging at temperatures between +5°C and +35°C. Protect the product from direct sunlight and frost.

Shelf Life

12 months from the production date in its unopened packaging under proper storage conditions.

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POMZA EKSPORT MINING INDUSTRY AND TRADE INC. TS EN 1504-6 EPOXY BASED REPAIR AND ANCHORAGE MATERIAL	
Chloride ion content: ≤ %0,03	Displacement under 75 kN Load: ≤0,6 mm
Creep under Tensile load (Displacement after continuous application of 50 kN load for 3 months):	
≤0,6 mm	
Reaction to fire: D-s2,d0	
Glass transition temperature: At least 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	30
12	16	160	15,3	22
14	18	180	20	17
16	20	200	25	14
18	22	220	30,5	11
20	24	240	37	9
22	26	260	43,2	7
24	28	280	50,4	6
26	30	300	58,2	5
28	32	320	71,5	4

The material wastage is considered 5% in calculations. Ironstone number is calculated with cartridge 345 ml.

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

EIP-TDS-012- eile Epox-Rev0_eng