

POMEX WATER BOND



Cement-Based, Fast-Setting, Plugging Mortar

Description

A cement-based, fast-setting, expanding and hardening plug mortar with high adhesion, used in repair and installation works when mixed with water to quickly stop water leaks.

Certified to EN 1504-3 CE.

Areas of Use

- For horizontal and vertical applications in both interior and exterior areas.
- Used to fill and block water leaks before waterproofing.
- Used to stop water under pressure or leakage from cracks in foundations, retaining walls, elevator shafts, water tanks, and concrete pipes in a short period of time.

Product Features

- Fast-setting with no shrinkage.
- Chloride-free structure.
- Single component, only mixed with water.
- Expands to form a watertight plug.
- Has high strength and stability.

Application Procedure

Surface Preparation

The surface must be solid, load-bearing, dust-free, and clean. Remove all residues of oil, rust, paint, curing agents, and paraffin that may reduce adhesion. The surface must be free of loose particles. Cracks and voids should be cut to a rectangular shape with a width and depth of at least 20 mm.

Mixing

Since the product sets very quickly, it should be prepared in small quantities. A small amount of *eile WATER BOND* that can be used within 60 seconds is placed into a clean mixing bucket. Add the appropriate amount of water and mix by hand using suitable gloves.

Mixing Ratio:

For 5 kg: 1.25-1.75 liters of water (depending on weather conditions).

For 1 kg of *eile WATERBOND*, use 0.25-0.35 liters of water.

Application Method

The crack with the active water leak should be opened until reaching a solid substrate. A minimum width and depth of 2 cm must be achieved. *eile WATER BOND* is mixed with the appropriate amount of water and formed into a cone shape. When the material starts to warm up, it is applied to the leaking area with a single movement. Pressure is applied for 60 seconds. For larger holes, repeat the process several times, moving from the edges toward the center of the hole.

Consumption

Varies depending on the application.

Points to Consider

- Do not add any foreign materials.
- For high water pressure leaks, a hose should be inserted at the mouth of the leak to reduce the pressure before applying the product.
- Suitable for application at temperatures between +5°C and +25°C. The working and setting times of cement-based systems are affected by temperature and humidity.
- Not suitable for application on brick, aerated concrete, or weak plastered surfaces.
- Not suitable for use on surfaces prone to movement.
- Use warm or hot water in cold weather.

Packaging

5 kg plastic bucket

Storage

Store in unopened original packaging in a cool and dry environment, stacked no higher than 10 layers.

Shelf Life

6 months from the production date when stored in proper conditions and in unopened packaging. Once opened, the packaging should be tightly sealed and stored in appropriate conditions, and the product should be used within a short period.

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Technical Specifications

Structure of the Material: Contains Mineral Filler and Special Cement

Color: Grey

Compressive Strength: ≥ 25 N/mm² (28 days)

Adhesion Strength: $\geq 0,5$ N/mm² (28 days)

Application Surface Temperature: +5 °C - +25 °C

Application Time: 1-1,5 min (20 °C)

Complete Drying: 2-3 min (20 °C)

These values were obtained from tests conducted at +23°C with 50% relative humidity, 4x4x16 cm mortar prism conditions. Higher temperatures shorten the durations, while lower temperatures extend them.

CE 1020
POMZA EKSPORT SAN. TİC. AŞ.-EİLE 12 TS EN 1504- 3
Compressive strength: R2 Bond strength: $\geq 0,8$ N/mm ² Fire reaction category: A1

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.

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