

eile KAPILER 2 K

Two-Component Crystallized Waterproofing Material

Description

A two-component, cement and polymer emulsion-based waterproofing material that can be applied on both negative and positive water pressure surfaces.

Features

- Resistant to both negative and positive water pressure
- Easy and comfortable to apply
- Has high adhesion strength

Areas of Use

- For vertical and horizontal applications in both interior and exterior parts of structures
- In water tanks
- On foundations, retaining walls, and basement walls
- In swimming pools
- On wet areas such as bathrooms and toilets, and surfaces like concrete and screed

Application Procedure

Surface Preparation

Ensure the surface to be applied is solid, load-bearing, and clean. Remove oil, grease, rust, paint, paraffin, and curing residue that may reduce adhesion. Any water leaks should be filled with *WATERBOND*. Corners and edges should be chamfered with *eile TH 70*. The surface should be saturated with water before application, ensuring no free water remains on the surface before starting.

Mixing

Place 3 kg of Component B (liquid) into a clean mixing bucket and add 5-6 liters of water. Gradually add 25 kg of Component A (powder) to the liquid mixture in the bucket. Mix for 3-4 minutes using a low-speed mixer until a homogeneous mixture is obtained. Let the mixture rest for 3-5 minutes, then mix again for 30 seconds.

Mixing Ratio

- Component A: 25 kg
- Component B: 3 kg

Application Method

The prepared mixture is applied to the entire surface using a brush. Application should be done in at least 2 coats. Each coat should be applied at a right angle to the previous one. Wait 6-12 hours between coats.

Consumption

For a thickness of 1 mm, at least 1.5-2 kg/m²

Points to Consider

- Do not apply on frozen, thawing, or frost-prone surfaces.
- The applied surface should be protected from frost and strong winds for 3 days and kept moist.
- Do not add any foreign materials.
- Uncured surfaces should not be exposed to water.
- The ambient and surface temperature during application should be between +5°C and +25°C.
- For water tank applications, the tank should not be filled with water until at least 7 days after application.

Cleaning of Tools

Tools and equipment used during application should be cleaned with water. Once the material has dried, it can only be cleaned mechanically.

Packaging

- Component A: 20 kg kraft bag
- Component B: 3 kg plastic canister

Storage

Store in its unopened original packaging in a cool, dry place above +5°C. Component B (liquid) should be protected from frost.

Shelf Life

12 months from the production date in its unopened packaging when stored in a cool and dry environment. Once opened, ensure the packaging is sealed tightly and the material is used within a short period if not mixed.

eile KAPILER 2 K

Technical Specifications

Material Structure: Contains polymer-modified special cement.	
Color	: Grey
Temperature of the application ground: +5 °C - +25 °C	
Time of Use (20 °C)	: 45 minutes
Drying Time min. C)	: 3 days (20 °
Waterproofing (in positive way) C)	: 7 days (20 °
Water-vapor permeability	: SD<5m
Capillary water absorption	: $\leq 0,1 \text{ kg.m}^2 \cdot \text{h}^{0,5}$
Bond strength	

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

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.

EIP-TDS-030-Eile KAPILER 2K-Rev0_eng