

Cement and Acrylic Based Two-Component Elastic Waterproofing Material

Description

A cement and acrylic based, two-component, flexible waterproofing material with acrylic dispersion and water impermeability additives.

Certified to TS EN 1504-2 CE.

Areas of Usage

*Horizontal and vertical applications in both indoor and outdoor areas.

*Balconies and terraces.

*Wet areas such as bathrooms, kitchens, and toilets.

*Used as ceramic underlay waterproofing material in swimming pools and water tanks.

Features of Product

*Easy to prepare and apply.

*Can be applied with a brush or a trowel.

*Possesses high flexibility to fill shrinkage cracks.

*Forms a seamless, impermeable film layer resistant to moisture and water.

*Suitable for application of ceramic and other coating materials on top.

*White in color and resistant to UV rays.

*Suitable for use in areas affected by movement and vibration.

*Provides excellent adhesion performance and flexibility, creating a perfect impermeable layer under screed and ceramic.

Application Procedure

Surface Preparation

The application surface should be cleaned from any dust, oil and loose pieces that may weaken the adherence. Any damages on the surface should be fixed with **eile TH 60** or **eile TH 70**. The corners and the edges should be chamfered with **eile TH 70**. The surface should be moistened with clean water before the application, but there should not be any free water on the surface before application.

Mixing

Pour the 8kg component B (liquid) into a clean application bucket. Slowly add the 25kg component A (powder). Mix thoroughly with a low-speed mixer until a homogeneous and lump-free consistency is achieved. Allow the mixture to rest for 5 minutes. Before application, remix for approximately 30 seconds and proceed with the application.

Mixture Ratio

8 kg (Component B) 25 kg (Component A)

Application Method

The application should be done with a brush in 2-3 coats. Each coat should be applied perpendicular to the previous one. Wait at least 6 hours for application between the layers.

Consumption

For 2-3 layers: 3,5-4,5 kg/m²

Points to take into consideration

*It cannot be applied on negative water pressure.

*The applications exposed to direct sunlight should be covered.

*Wait at least 3 days before covering it with ceramic application

*Do not apply on metal or wooden surfaces.

*The maximum drying time is 48 hours.

*Wait at least 7 days for waterproofing.

*The concrete surface to be applied on must be at least 28 days old.

*The mixture should be used within 90 minutes.

Cleaning of Tools

The tools and equipment used during application should be cleaned with water. Once the capillary hardens, it can only be cleaned by mechanical methods.

Packaging

A 25 kg kraft sack

A 8 kg plastic drum

Storage

It should be stored in its original, unopened package and between + 5 °C- + 30 °C temperatures. The product should be protected from direct sunlight.

Shelf Life

Under the specified storage conditions, the shelf life is 12 months from the date of manufacture.

Technical Specifications

Structure of the Material:	Mineral filler, waterproofing additives and special cement (Component A) Copolymer Acrylic Dispersion (Component B)
Color	: White
Adhesion Strength	: $\geq 1\text{N/mm}^2$
Application temperature:	+5 °C - +30 °C
Service Temperature	: -10°C +70°C
Maturation Time	: 5 minutes (the time needed before applying the material after it is mixed)
Application Time	: 90 min(20 °C)
Complete Drying Time	: minimum 2 days(20°C)
Density	: 1,9-2 gr/cm ³
Covering	: 3 days (20 °C)
Waterproofing	: 7 days (20 °C))

The above values are obtained from +23°C, 50% relative humidity conditions. High temperatures shorten, low temperatures extend the times.

CE 2404
POMZA EKSPORT SAN. TİC. AŞ.-EİLE Menderes -İzmir/ Turkey 12 TS EN 1504- 2
Water vapor permeability: $S_D < 3\text{ m}$ Capillary water absorption : $\leq 0,1\text{ kg.m}^2.\text{h}^{0,5}$ Bond strength: $\geq 1\text{N/mm}^2$ Fire reaction category: C-s1,d0

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.

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