

Cement and Acrylic Resin Based Two-Component Fully Elastic Waterproofing Material

Description

A two-component waterproofing material with cement and acrylic resin base, containing waterproofing additives, and exhibiting elastic property.

EN 1504-2 CE Certified

BS 6920-1 Certified for Drinking Water Standards

Areas of Use

*Under ceramic tiles in wet areas such as bathrooms, kitchens, balconies, and toilets

*On terraces (with the precondition of covering)

*In swimming pools

*In water tanks

*Both indoors and outdoors, applied in horizontal and vertical directions from where water comes.

Application Procedure

Surface Preparation

The application surface must be durable, dust-free, load-bearing, and clean. Any substances like oil, grease, rust, paint, paraffin, and curing residue that could weaken adhesion should be removed.

Areas with water leakage should be filled with WATERBOND. Corners and edges should be filled with **TH 70** product.

The surface should be saturated with water before application. Ensure there is no free water remaining on the surface before starting the application. If the surface is not adequately wetted, rapid drying may occur during application.

Mixing

10 kg of component B (liquid) is poured into a clean mixing bucket, then 20 kg of component A (powder) is slowly added. It is mixed with a low-speed mixer until a homogeneous appearance is achieved, typically for 4-5 minutes. The mixture is allowed to rest for 3-5 minutes, then mixed again for 30 seconds. It is now ready for application.

Mixture Ratio

Component A: 20 kg Component B: 10 kg

Application Method

It is applied with a brush. The application should be done in 2 or 3 coats. The brush application direction in each layer should be perpendicular to the previous application.

Consumption

At least 2 kg/m² for 1 mm thickness.

Important Points

*It should not be applied to frozen, thawing, or surfaces at risk of freezing.

*The applied surface should be protected from freezing and excessive wind for 3 days.

*No foreign material should be added to the mixture.

*Surfaces that have not completed curing should not be exposed to water.

*The ambient temperature for application should be between +5°C and +30°C.

*For terrace applications, a wait of 3 days is required before covering.

*The mixture should be used within 90 minutes.

*Water tanks should be filled with water at least 7 days after the application in water tanks

Cleaning of the Tools

After application, the tools and equipment used should be cleaned with water. After the material is hardened, it can only be cleaned mechanically.

Packaging

Component A: A 20 kg kraft sack

Component B: A 10 kg plastic drum

Storage

It should be stored in its original unopened packaging in a cool and dry environment above +5°C. Component B (liquid) should be protected from freezing.

Shelf Life

In a dry and cool environment, in its unopened packaging, the shelf life is 12 months from the production date. Opened packages, unless they are not mixed, should be tightly closed and stored under appropriate conditions, and be consumed within a short period of time.

Technical Specifications

Structure of the material: (Component A): Contains Polymer Modified Special Cements.	
Structure of the material: (Component B): Contains Copolymer Acrylic Resin.	
Color	: Grey
Temperature of Application Ground	: +5 °C - +25 °C
Service Temperature	: -20 °C - +80 °C
Application Time	: 90 minutes (20 °C)
Minimum Drying Time	: 3 days (20 °C)
Density	: 1,8-1,9 gr/cm ³
Maturation Time	: 3-5 min. (the time needed before applying the material after it is mixed)
Covering	: 3 days (20 °C)
Waterproofing	: 7 days (20 °C)

Mode values: Obtained as a result of the experiments made at +23°C, 50% relative humidity conditions. High temperatures shorten, low temperatures extend the times.

C E 2404
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Crack bridging:≥0,75 mm Capillary water absorption : ≤ 0,1 kg.m ² .h ^{0,5} Bond strength: ≥ 1N/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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