

eile BITUCIM

Cement and Polymer Modified Bitumen Rubber Based Two- Component Waterproofing Material

Description

Cement and polymer modified, bitumen rubber based, two-component, non-solvent, trowel consistent waterproofing material.

Areas of Usage

- *All underground and aboveground, horizontal and vertical, indoor and outdoor places.
- * Foundation and face walls insulation.
- * For leachate insulation in floors like bathroom, kitchen and toilet.
- * Balcony and terrace
- * Protecting the concrete against water and microorganisms incoming from the ground.
- *Foundation insulation, underneath the cement based screeds
- *Ceilings of underground parking garage.
- * In garden terraces against ground humidity.
- * In parterre insulation
- *For attaching low temperature insulation panels.

Features of Product

- *It is easy to prepare,; applied with brush and trowel.
- *It is solvent-free, so eco-friendly.
- *It can be applied up to 6 mm at once.
- *It is flexible and has crack bridging property.
- *It can be applied on vertical and horizontal surfaces.
- *It is resistant to dilute acid, alkaline, chloride and sulfate ions.
- *It is not affected by microorganisms and aggressive underground water

Application Procedure

Surface Preparation

The application surface should be solid, bearing, dust-free and clean. Any oil, grease, rust, paint, paraffin and curing compound residue which reduce adherence should be removed. The places with active water leakage should be filled with **WATERBOND**. The corners and the edges should be chamfered with the product **eile TH 70**. The application surface should be primed.

Mixing

Mix **eile BITUCIM** component B (liquid) in its own bucket. Add component A (powder) to the component B bucket slowly. Mix with a low speed mixer for 3-5 minutes until you get a homogenous mixture. Let the mixture resettle for 5 minutes and mix it again for 30 seconds. It is now ready for application.

Mixture Ratio

Component A: 8 kg
Component B: 22 kg

Application Method

Preparing the primer: After preparing Components A and B, take 1 kg of mixture apart and mix it with about 3kg of water. Mix with a low speed mixer for 3-4 minutes until you get a homogenous mixture. This material will be used as the primer layer. Apply the primer homogeneously on the surface with a brush. Once the primer layer is dry, apply the **eile BITUCIM** mixture of components A and B with a trowel.

Consumption

For 3 mm thickness: 4,5-5 kg/m²

Points to take into consideration

- *Do not apply to surfaces which are frozen, melting or under the risk of frost.
- *The applied surface should be protected against rain, frost and extreme wind for 3 days.
- *The surface and the ambient temperature should be between +5 °C and +30 °C during the application. If the temperature conditions do not match the given values, wait for the proper temperature values for the application.
- *Do not add any foreign substance in any way.
- *The surfaces with incomplete curing should not be exposed to water.
- * It is not UV resistant so, after the drying period, cover it with a proper material.
- *The prepared mixture should be consumed in 45 minutes.

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Cleaning of Tools

The tools and equipment used during application should be cleaned with warm water. Once the material dries out, it can be cleaned using a proper solvent.

Packaging

In a 30 kg bucket:

Component A: 8 kg (powder)

Component B: 22 kg (liquid)

Storage

Store in unopened original packaging between +5°C and +30°C, protected from direct sunlight and frost.

Shelf Life

12 months from the production date under proper storage conditions.

Technical Specifications:

Structure of the Material (Component A): Contains Polymer Modified Special Cements.

Structure of the Material (Component B): Polymer Modified Bitumen Rubber Emulsion

Color: Brown black

Temperature of Application Ground: +5 °C - +30 °C

Service Temperature: -10 °C - +80 °C

Application Time: 45 minutes (20 °C)

Drying Time: Minimum 3 days (20 °C)

Density: 1,4-1,5 gr/cm³

Typical values were obtained at +23°C and 50% relative humidity. Higher temperatures shorten the time, lower temperatures extend it.

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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