

eile BİTU-ÇİM FLEXIBLE

Cement and Polymer Modified Bitumen Rubber Based two-Component Flexible Waterproofing Material

Description

Dual component, highly flexible, non-solvent polymer modified, bitumen rubber based flexible waterproofing material.

Areas of Usage

- *Foundation and face walls of all structures.
- *For leachate insulation in floors like bathroom, kitchen and toilet.
- *Balcony and terrace.
- *Protecting the concrete against water and microorganisms incoming from the ground.
- *Underneath the cement based screed.
- *Ceilings of underground parking garage.
- *In garden terraces against ground humidity.
- *In parterre insulation for attaching low temperature insulation panels.
- *Retaining walls and settling tanks.

Features of Product

- *It is easy to prepare and apply
- *It has the bridging feature for shrinkage cracks.
- *It can be applied on dry and slightly damp surfaces.
- *It has long operating time.
- *It is solvent-free, so eco-friendly.
- *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 BİTÜ-ÇİM ELASTİK** component B (liquid) in its own bucket. Add component A (powder) to the component B bucket bit by bit. Mix with a low speed mixer for 3-5 minutes until you get a homogenous mixture. Let the mixture wait 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

Consumption

1,5-1,6 kg/m² (1 mm dry film thickness)

Application Method

Preparing the primer: After mixing 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 Bitu-Çim Elastic** components A and B with a brush and in two layers. Wait until the first layer is dry enough before you continue with the second layer, so the first layer will not be damaged. If the area is exposed to temporary and continuous water pressure, after the application of the first layer of **eile Bitu-Çim Elastic**, the surface should be fully covered with alkali resistant fiber reinforcement mesh and the application of the second layer of **eile Bitu-Çim Elastic** should fully cover the mesh.

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.
- *The coating should be applied to the surfaces of the structure or the structure elements that are exposed to water.
- *It is not UV resistant. So, after the drying period, cover it with a proper material.
- *The mixture should be consumed in 90 minutes.



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Cleaning of Tools

The tools and equipment used during the 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

It should be stored in its original unopened package between + 5 °C - +30 °C temperature. Protect the product from direct sunlight.

Shelf Life

12 months starting from the date of production under the specified 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	: 90 minutes (20 °C)
Drying Time	: Minimum 3 days (20 °C)
Density	: 1,05-1,15 gr/cm ³
Period Needed to Become Waterproof	: 7 days (20 °C)

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

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş., the producer of eile POMEX branded products.** The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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