

## Cement and Acrylic Based Two-Component Semi Flexible Waterproofing Material

### Description

A cement and acrylic based, two-component, semi flexible waterproofing material with waterproofing admixtures.

**Certified to EN 1504-2 CE.**

**Ministry of Environment and Urban Planning Item No: 04.477 / 2**

### Areas of Usage

\*In indoor and outdoor places, on the direction it is exposed to water in vertical and horizontal applications,

\*In terraces and balconies (provided that it will be covered)

\*Basement walls, concrete pipes,

\*Water reservoirs.

\*Under screed and ceramics,

\*For insulation of beneath ceramics in wet areas such as bathroom, toilet.

### Features of Product

\*It is certificated for use in drinking water reservoirs.

\*It creates a semi flexible, impermeable surface with perfect adherence.

\*It can be applied horizontally and vertically.

\*It increases the resistance of the structure on which it is applied against the external factors. .

\*It can be applied with a brush.

\*It is applied on damp surfaces.

\*It is water vapor permeable.

### 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 the product **eile TH 70**. The surface should be wet with clean water before the application and wait until there is no any layers of water.

#### Mixing

Pour the 5kg component B (liquid) in a clean mixing bucket, and then add 20kg of component A (powder) slowly. Mix with a low speed mixer until you get a homogenous and lump-free mixture. Let the mixture resettle for 5 minutes and mix it again for 30 seconds. It is now ready for application.

### Mixture Ratio

5 kg (Component B)

20 kg (Component A)

### Application Method

Apply the mixture with a brush in 2 or 3 layers. In each layer, the direction of application should be perpendicular to the direction of the previous application. Wait at least 6 hours for application between the layers.

### Consumption

1 mm thickness 2 kg/m<sup>2</sup>

### Points to take into Consideration

\*It cannot be applied on negative water pressure.

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

\*Do not apply on metal or wooden surfaces.

\*Complete drying time is at least 48 hours.

\*Wait at least 7 days before filling the water reservoirs with water.

\*The concrete ground should be at least 28 days old before the application.

\*The applications exposed to direct sunlight should be covered.

### Cleaning of Tools

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

### Packaging

A 20 kg kraft sack

A 5 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 and frost.

### Shelf Life

12 months starting from the date of production under the specified storage conditions.

## Technical Specifications

<b>Structure of the Material:</b> Mineral filler, polymer additive and special cement (Component A) Copolymer Acrylic Dispersion (Component B)	
<b>Color</b>	: Grey
<b>Adhesion strength</b>	: $\geq 1\text{N/mm}^2$
<b>Application temperature</b>	: +5 °C - +30 °C
<b>Service temperature</b>	: -10°C +70°C
<b>Maturation time</b>	: 5 minutes (the time needed before applying the material after it is mixed)
<b>Mechanical strength within</b>	: 3 days (20 °C)
<b>Waterproofing within</b>	: 7 days (20 °C)
<b>Complete drying time</b>	: minimum 48 hours(20 °C)
<b>Maximum application time of the mixture</b>	: 90min (20 °C)
<b>Maximum layers on a surface</b>	: 2 - 3 layers
<b>Time needed before applying each layer:</b>	minimum 6 hours (20 °C)
<b>Consistency</b>	:Brush consistency

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

<h1>CE</h1> <h2>1020</h2>
POMZA EKSPORT SAN. TİC. AŞ.-EİLE Ankara Asfaltı Belkahve Mevkii 476/A Kavaklıdere Köyü-Bornova-İzmir/ Turkey 12 TS EN 1504- 2
Water vapor permeability: $S_D < 4 \text{ m}$ 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:** 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.

**Note:** eile POMEX reserves the right to improve/revise the product and this technical document over time. This Technical Data Sheet supersedes the former Technical Data Sheet released for this product. The user must make sure that the available technical document is the latest updated version. If necessary, our company must be contacted to inquire the updating status of the document. AUGUST 2014