

eile MET ZK 40

Rubber-Bitumen Based, Non-Solvent, One-Component Flexible Waterproofing Material

Description

eile MET ZK 40 is a one-component, solvent-free, flexible, high coverage, rubber-bitumen based waterproofing material.

Areas of Usage

- *Ground humidity of any kind underground concrete structure.
- *Positive waterproofing against rain and underground waters.
- *The surface of supporting walls that contact with the ground.
- *Terraces (provided that they will be covered).
- *Adhering thermal insulating boards.

Features of Product

- *It is ready for use and easy to apply.
- *It is a flexible material.
- *It is applied with brush and spraying equipment.
- *It does not contain solvent.
- *It is thixotropic. It does not sag on vertical concrete surfaces.
- *It is resistant to freeze and thaw.
- *It is resistant to chemicals in soil.

Application Procedure

Surface Preparation

Remove any dust, oil and loose pieces from the surface as they may weaken the adherence. Fix the imperfections on the surface with **eile TH 60** or **eile TH 70**. The corners and the edges should be chamfered with the product **eile TH 70**. Before the application, wet the surface with clean water and wait until the water layers disappear. Take necessary precautions for bad weather conditions.

Application Method

Priming

Take 1 kg of **eile MET ZK 40** and mix it with 6-7 liters of water by using a low speed mixer for 3-5 minutes. Apply the mixed primer homogenously with a brush on the concrete surface. Wait for the primer to dry before applying the first layer of the material.

Application with Brush and Trowel

Spread the material on the surface with a brush with consistency of 1,2-1,3 kg/m². For application with trowel, use a 3mm notched trowel and apply the first layer.

After curing, apply the second layer perpendicularly to the first layer with a brush or a flat trowel.

Spraying Application

For each layer, apply 1,2 kg with a spraying equipment having high viscosity with 4 bar feeding pressure and 2,5 bar spray pressure. Apply two layers in total, wait until the first layer is completely dry before applying the second one. Make sure you apply the product in the same thickness in each layer.

Consumption: 1,2-1,3 Kg/m² for 1 mm thickness

Points to take into Consideration

- * Wait the proper temperature values if the temperature of application surface and setting of **eile MET ZK 40** is not between +5 °C and +30 °C.
- * Protect the application surface of **eile MET ZK 40** from frost, sun, hail and rain for 24 hours after the application.
- * Make sure the first layer is dry, before applying the second layer
- *Do not apply on wet and damp surfaces.
- * Do not apply on surfaces which are frozen, melting or under the risk of frost.
- *The concrete surface of application should be at least 28 days old.
- *It is not UV resistant so the applications exposed to sun should be coated with the proper material.
- *Apply on the surfaces of the structure or the structure elements that are in contact with water.

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 with a solvent.

Packaging

30 kg plastic bucket

Storage

Store in its original unopened package between temperatures +5 °C - + 30 °C. Keep away from direct sunlight.

Shelf Life

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

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Technical Specifications

Structure of the Material	: Polymer Modified Bitumen Rubber Based
Color	: Brown-Black
Application	: Brush and Spraying Equipment
Application Temperature	: +5°C +30°C
Waterproofing within	: 7 days (20 °C)
Density	: 1,2-1,3 gr/cm ³
Drying Time	: 3 days (20 °C)

Mode values are for +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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