

Rubber-Bitumen Based, Solvent-Free Single-Component Elastic Waterproofing Material

Description

Single-component, solvent-free, highly elastic, rubber-bitumen-based waterproofing material with high coverage.

Areas of Use

- For the positive waterproofing of all types of underground concrete structures against soil moisture, rainwater, and groundwater.
- On surfaces of retaining walls in contact with soil.
- On terraces (provided they are covered afterward).
- For bonding thermal insulation panels.
- In green roof applications.

Product Features

- Ready-to-use, extremely easy to apply.
- Elastic properties.
- Can be applied with a brush or spraying machine.
- Solvent-free.
- Thixotropic, does not sag on vertical concrete surfaces.
- Resistant to freezing and thawing cycles.
- Resistant to chemicals in soil.

Application Procedure

Surface Preparation

The surface to be applied must be free from dust, oil, and loose particles that may reduce adhesion. Surface defects should be repaired with *eile TH 60* or *eile TH 70*. Corners and edges should be chamfered with *eile TH 70*. Before application, the surface should be moistened with clean water, and no water film should remain on the surface. Necessary precautions should be taken for adverse weather conditions.

Application Method

Priming

Take 1 kg of *eile MET ZZK 40* from the container, add 6-7 liters of water, and mix with a low-speed mixer for 3-5 minutes. The prepared primer is applied to the concrete surface with a brush to ensure even distribution. Wait for the primer to dry before applying the first coat.

Application with Brush or Trowel

The material is spread on the surface with a brush at a rate of 1.2-1.3 kg/m². For trowel application, the first coat is applied with a 3 mm notched trowel.

Once the material has cured, apply the second coat at a right angle to the first using a brush or flat trowel.

Spraying Application

Using high-viscosity spraying equipment with a feed pressure of 4 bar and spray pressure of 2.5 bar, apply 1.2 kg per coat. Ensure full curing between coats and apply two coats. Care must be taken to ensure equal thickness for each coat on the surface.

Consumption: 1.2-1.3 kg/m² per 1 mm thickness.

Points to Consider

- If the surface temperature is below +5°C or above +30°C, wait for suitable conditions before applying *eile MET ZZK 40*.
- Surfaces treated with *eile MET ZZK 40* should be protected from sunlight, snow, hail, and rain for the first 24 hours.
- The second coat should only be applied after the first has fully cured.
- Do not apply to wet or damp surfaces.
- Do not apply to frozen, thawing, or frost-threatened surfaces.
- The concrete surface should be at least 28 days old.
- Since it lacks UV resistance, exposed applications should be covered with appropriate materials.
- The material should be applied to surfaces in contact with water.

Cleaning Tools

After application, tools and equipment should be cleaned with warm water. Once the material has dried, use a suitable solvent for cleaning.

Packaging

30 kg plastic container.

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 : 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: 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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