

eile PUR 022

Polyurethane-Based, Two-Component Waterproofing Material

Description

A two-component, solvent-free, elastic, crack-bridging polyurethane-based waterproofing material.

Compliant with BS 6920 standards.

Application Areas

- Water tanks
- Channels
- Wet areas under or above ceramic surfaces
- Pools
- Terraces as a waterproofing material

Product Features

- Solvent-free, making it suitable for use in enclosed spaces
- Adheres perfectly to all types of surfaces and can be easily applied in detailed areas due to its ideal consistency

Application Procedure

Surface Preparation

Remove substances that weaken adhesion, such as oil, wax, grease, water repellents, loose particles, and dust using a floor milling machine. New concrete must be at least 28 days old. The surface must be primed before application. The concrete surface must meet the following standards:

- Hardness: R28 = 15 MPa
- Temperature: 5-35 °C
- Relative humidity: < 85%

Application Method

Priming

Highly absorbent surfaces such as concrete, cement screeds, or wood should be saturated with **eile PUR 710** before priming. For non-moist surfaces, use **eile PUR 710** or **eile EPX 260**; for moist surfaces, use **eile EPX 021** as the primer.

Waterproofing Membrane

Component A should be mixed mechanically, and the hardener (Component B) should be added according to the mixing ratio. Both components must be mixed until homogeneous for at least 3 minutes and then allowed to rest for 3 minutes. The prepared mixture should be used within its pot life.

The ready-to-use mixture should be applied using a notched trowel, airless spray, or roller at a consumption of at least 1.5 kg/m². The time between coats should be at least 12 hours (20°C) and no more than 24 hours. If more than 24 hours have passed, the surface must be sanded before the next coat. It is crucial to apply the second coat within the recoat time frame. After application with a notched trowel, use a spiked roller to remove air bubbles from the fresh coating. Full mechanical and chemical resistance is achieved in approximately 7 days. The relative humidity should not exceed 80%, and the application temperature (ambient and surface) should be between +10°C and +30°C.

Consumption

1.35±0.10 kg/m² for 1 mm thickness

Packaging

- Component A: 18 kg
- Component B: 6 kg

Storage

Store in original, unopened, and undamaged packaging under dry conditions between +5°C and +30°C.

Shelf Life

9 months from the production date when stored under the specified conditions.

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Technical Specifications:

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| FEATURES | RESULTS |
|-------------------------------------------|-----------------------|
| Structure | Polyurethane |
| Color | Blue, gray, off-white |
| Hardness (Shore A) | > 60 |
| Elongation at break (%) | > 100 |
| Tensile strength (N/mm ²) | 20 |
| Water absorption (%) | < 0.5 |
| Adhesion to Concrete (N/mm ²) | >2 |
| Pot life at 25°C (minutes) | 30 |

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The above values are obtained from +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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