

eile PUR 712 2 K

Two-Component Polyurethane Primer Material

Description:

A two-component, moisture-tolerant polyurethane primer. It cures quickly and contains no toxic substances. It is specially designed to allow polyurethane-based products to be applied to moist concrete surfaces.

Areas of Application:

- As a primer before polyurethane floor coatings and waterproofing
- Moist surfaces
- Areas with difficult ventilation
- Floors made of concrete, steel, or other materials
- Asphalt and asphalt membranes

Product Features:

- Low viscosity and easy to use
- Hydrophobic with high hydrolysis resistance
- A polyurethane-based primer suitable for all general-purpose concrete surfaces
- Shows effective resistance to chemicals

Application Procedure:

Surface Preparation:

The surfaces to be applied must be solid. The surface should have a compressive strength of 25N/mm² and at least 1.5N/mm² adhesion strength in the adhesion test. The surface should be cleared of loose, flaking, or moving concrete particles, oil, paint residues, and cement grout remains that might affect adhesion performance. The surfaces should be roughened and sanded using appropriate tools and machines. After sanding, industrial vacuums should be used to remove all dust from the surface. Any dust left in surface pores can reduce product performance and cause holes in the coating. For surfaces in contact with soil, prior water and vapor barrier insulation should be completed.

Mixing:

The product is two-component, and it is recommended to mix only the amount that will be consumed within its pot life. Mixtures that exceed the pot life will become unusable. The product temperature should be at least +5°C for proper mixing.

The **A** component should be mixed in its container using a stirrer at approximately 300 rpm for 2-3 minutes. Afterward, the hardener (**B** component) should be added, and both components should be mixed until a homogeneous mixture is obtained.

Application Method:

The ready-to-use primer mixture should be applied using a brush, roller, or airless spray, ensuring that all surfaces and pores are sealed. The mixed product should be used quickly, keeping in mind the pot life. The intervals between layers are crucial for the durability of the coating. Full curing and mechanical/chemical resistance are achieved in 7 days.

Consumption:

Depending on the condition of the surface, 200-300 g/m²

Packaging:

- **A component:** Available in 16 kg tin containers
- **B component:** Available in 4 kg tin containers

Storage:

Store in its original container at temperatures between +5°C and +25°C, protected from moisture and sunlight.

Shelf Life:

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

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Technical specifications

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|------------------------------------|------------------|
| Appearance | : Liquid |
| Density (mPas) | : 1,25 ± 0,05 |
| Solid Content | : % 80 |
| pot life(25 °C) | : 25 minutes |
| Adhesion to Concrete | : >2 N/mm2 |
| Hardness | : 75-80(SHORE A) |
| Waiting Time Between Coats: | :4-6 hours |
| Recoating | :8-24 hours |

The values reported above were obtained as a result of laboratory experiments. Values may vary due to

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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