

eile PUR 710

Single-Component Polyurethane Primer Material

Description:

A single-component, low-viscosity polyurethane primer. It is used to prepare surfaces for the application of polyurethane coatings, designed to enhance the adhesion of polyurethane coatings to substrates.

Areas of Application:

- Concrete surfaces
- Metal surfaces
- Plastered and gypsum surfaces
- Wooden surfaces
- PVC surfaces
- Bituminous surfaces

Product Features:

- Single component
- Low viscosity
- Easily applicable to all types of surfaces
- Strongly adheres even to glassy, non-porous substrates
- Provides a seamless and homogenous coating, excellent impregnation on absorbent surfaces
- Offers a cost-effective solution for sealing and protecting concrete

Application Procedure:

Surface Preparation:

The surface must be solid. All loose and movable particles, oil, and paint residues, as well as cement grout, must be removed. Large cracks and defects should be repaired in advance. Cement crust and glossy screeds on concrete surfaces should be cleaned and roughened using tools such as sandblasting, scraping machines, diamond drum sanders, or mechanical grinders. The surface must be entirely dust-free using an industrial vacuum cleaner. New buildings should be allowed to dry for at least 28 days.

Application Method:

The material is ready to use and does not need thinning. It should be applied using a roller, brush, or low-pressure airless spray, ensuring that the surface is saturated, and all pores are sealed. For large application areas, airless spray application is recommended.

Consumption:

- Apply in one coat at a rate of 0.15-0.25 kg/m². The application should be done with a roller or airless spray on a smooth surface. The consumption rate may vary depending on the surface's porosity, temperature, humidity, application method, and finishing requirements.

Precautions:

- When applying **eile PUR 710**, the surface and ambient temperature should be between +10°C and +30°C.
- The moisture content of the surface should not exceed 4%.
- The surface should not be washed with water before application.
- During application, wear appropriate work clothes, protective gloves, goggles, and a mask, following health and safety regulations.
- **eile PUR 710** contains solvents. It is flammable and should be kept away from ignition sources. Keep out of reach of children.

Packaging:

- Available in 20-liter tin containers.

Storage:

- Store in its original packaging between +5°C and +25°C, protected from moisture and direct sunlight.

Shelf Life:

eile PUR 710

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

Technical Specifications

Structure of the material: Polyurethane pre-polymer, solvent based.

Viscosity (mPas) : 135 ± 25

Specific Weight (g/cm³) : 1,00 ± 0,02

drying time(25 °C, %55 RH) : 4-6 hours

top floor application : 12 -24 hours

Bonding Strength (N/mm²) : > 4

The values reported above were obtained as a result of laboratory experiments. Values may vary due to differences in job site environment.

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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