

eile PUR 750

Description

Polyol-Isocyanate-based, two-component, chemically curing, elastic, solvent-free polyurethane coating material.

Application Areas

It is a surface coating system developed to protect concrete surfaces against chemical and physical effects. It can be safely used in hygienic environments where easy cleaning is essential, in cases of dusting, abrasion, or similar undesired situations due to its solvent-free nature.

Product Features

- Resistant to acids, petroleum products, water, seawater, and solvents.
- Elastic structure resistant to impacts.
- High mechanical strength.

Application Procedure

Surface Preparation

All application surfaces must be clean, dry, and free of dirt. For primed surfaces, ensure that the appropriate primer has been applied and that the primed surface is undamaged. The surface temperature should be at least 3°C above the dew point of the air. For applications on old concrete, loose layers should be cleaned by mechanical methods, and ensure that the wet surfaces are fully dried. New concrete should have completed the 21-day curing process. If the surface is not primed, eile EPX 260 or eile PUR 710 should be preferred.

Mixing

Component A is mixed with a low-speed mixer (300-400 rpm) for 2-3 minutes. Component B is then added, and the mixing process is continued. The material is transferred to another container and mixed until a uniform color is achieved.

Mixing Ratio: 5/1 (by weight)

Application Method

eile PUR 750 should be applied after the primer has cured. The prepared homogeneous mixture can be applied with a brush, roller, or spray.

Consumption

1.5 kg/m² for 1 mm thickness.

Cleaning of Tools

Polyurethane Thinner.

Points to Consider:

- Application should not be done in extremely hot, windy, or rainy weather. The ambient temperature should be between +10°C and +30°C.
- In very cold weather, the ambient and surface temperatures should be maintained with heaters.
- The application should be performed by expert applicators.
- The surface should be protected from water contact for 24 hours after the coating is applied.

Packaging

Set: 24 kg

Component A: 20 kg tin container

Component B: 4 kg tin container

Storage

It should be stored in its original, unopened packaging in a cool and dry environment, protected from direct sunlight and frost.

Shelf Life

12 months from the production date under specified storage conditions and in unopened packaging.

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Technical Specifications

Material Composition: Solvent-free Polyurethane

Color: RAL Color Chart

Specific Gravity:

Component A: 1.60 gr/cm³

Component B: 1.25 gr/cm³

Mechanical Properties:

Shore D Hardness DIN 53505: 65

Solid Content: 100%

Waiting Time Between Coats: 24 hours

Pot Life: 30 minutes

Curing Time:

Walkable after 24 hours at +20°C

Can be subjected to light traffic after 3 days at +20°C

Fully cured after 7 days at +20°C

Application Temperature: +10°C - +35°C

Application Conditions:

Surface Temperature: 10°C - 30°C

Ambient Temperature: 10°C - 30°C

Humidity: Maximum 80%

Dew Point: Condensation should be avoided. The difference between surface temperature and ambient temperature must be greater than 3°C.

These values are obtained from laboratory tests. Variations may occur depending on the construction site conditions.

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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