

eile PUR 053

Description

Polyurethane based, self-leveling final ground coating

Ministry of environment and urban planning, Pose No: 04.522/K

Areas of Usage

- * Hospitals, parking and storage areas,
- * Food & beverage industry, parking grounds,
- * Large working and production areas,
- * Loading ramps

Features of Product

- * It is easy to use and provides easy leveling
- * It has flexible properties
- * It creates crack bridge
- * It provides chemical and mechanical strength
- * It is solvent-free
- * It delivers aesthetic surface appearance.

Application Procedure

Surface Preparation

Surfaces must have sufficient resistance. Concrete must have minimum 25 N/mm² compressive strength and at least 1.5-2 N/mm² tensile strength. The application surface should be solid, load bearing, dust-free and clean. The substance residues which reduce adherence such as oil, grease, paint, rust and paraffin should be cleaned. The application ground should be priorly primed with the appropriate primers (**EPX 225**, **EPX 110**). If the humidity rate of the application surface is over 5%, it should be applied with the wet surface primer **eile EPX 021** or **eile EPX 022**.

Mixing

A component is mixed with a low speed mixer (300-400 rpm) for 2-3 minutes and the mixing is proceeded by adding B component. Then, by putting the material into another bowl, it is mixed until a homogeneous color is formed.

Mixing Ratio: 5/1 (by weight)

Application Method

Before applying **eile PUR 053**, the applied primer must be cured. The prepared homogeneous mixture, **eile PUR 053** is poured onto floor and is spread on the surface with adjustable notched trowel

Consumption

1.5 kg/m² for 1 mm thickness

Cleaning of Tools

Polyurethane Thinner

Points to take into consideration

* The application should not be made in extremely hot, windy and rainy weather; if the ambient temperature is over + 10 ° C to + 30 ° C.

* For the applications held in cold weather, ambient and ground temperature must be provided with the help of heaters.

* Application should be carried out by the expert implementers.

* In order to complete the curing of the entire material, the ambient and ground temperature must be in the range of appropriate values.

* After coating, the surface should be protected from the contact of water for 24 hours.

Packaging

Set: 24 kg

A Component: 20 kg Tin bucket

B Component: 4 kg Tin bucket

Storage

It must be stored unopened in its original packaging, in cool and dry conditions between + 5 °C to + 35 °C, in a place away from direct sunlight.

Shelf Life

12 months from the date of production in the specified storage conditions and in unopened package.

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Technical Specifications

structure of the material: Solvent Free Polyurethane

Color: Ral Color chart

Specific gravity: A Component: 1, 60 g/cm³

B component: 1, 25gr/cm³

Mechanical properties:

Shore D hardness DIN 53505 : 65

Solid: 100%

Waiting period between coats: 24h

Mixture life: 30 minutes

Curing time:

can be walked later than 24h after application at +20°C

can be opened to light traffic after 3 days at +20°C

Full curing after 7 days at +20°C

Application temperature: + 10°C to + 35°C

Application conditions:

Surface temperature: 10°C to + 30°C

Ambient temperature: 10°C to + 30°C

Air humidity : Up to 80%

Dew point: condensation should be paid attention. The difference between the surface temperature and ambient temperature should not be over 3°C.

The above values have been obtained as a result of lab tests. Values may vary due to differences in site environment.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş., the producer of eile POMEX branded products.** The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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