

# eile EPX 550

## Two-Component, Solvent-Free, Self Leveling Epoxy Coating Material

### Description

It is an epoxy based, solvent-free, self-leveling, and two-component surface coating material.

### Areas of Usage

- \* Factory, warehouses and production areas.
- \* Aircraft hangars and garages.
- \* Milk production facilities, abattoirs, and hospitals.
- \* Pharmaceutical and chemical industry.

### Features of Product

- \* It is solvent-free
- \* It features self-leveling.
- \* It has highly adhesion strength

### Application procedure

#### Surface Preparation

Surfaces must have sufficient resistance. The ground concrete must have minimum 25 N/mm<sup>2</sup> compressive strength and at least 1.5-2 N/mm<sup>2</sup> tensile strength. The application surface should be solid, load bearing, free of dust, and clean. The substance residues which reduce adherence such as oil, grease, paint, rust and paraffin should be cleaned; there should be no loose parts. Oily surfaces should be cleaned with chemical cleaning materials. The moisture content of the ground concrete should not exceed 5%. If the humidity rate is over the specified value; the moist surface epoxy primer should be used on the application ground. The application ground should be priorly primed with the appropriate primers (EPX 225, EPX 110).

#### Mixing

By paying attention to the mixing ratios of the components A and B, it should be mixed with the help of a low-speed mixer for at least 3-4 minutes until a homogeneous mixture is obtained. After the first mixing, the mixture should be mixed again subsequent to putting it into another bowl.

After this operation, the material is ready for use. (If the product is applied by pouring from the first mixing bowl, the unreacted free components will remain on the ground without solidification.) The homogeneous mixture is applied to the surface with an appropriate notched trowel which will determine the application thickness.

#### Mixing Ratio

By weight 5/1

#### Application Method

Application in very humid, below 10 °C environment should be avoided. The mixing ratios should be paid attention. Before starting the upper coating, **epx 225** Primer curing must be completed. The waiting time should be a minimum of 12 hours between coats (at 20 °C). It can be walked on after approximately 12 hours, at 20 °C.

#### Consumption

1.5 kg/m<sup>2</sup> for 1 mm thickness

#### Cleaning of Tools

Pomex Thinner

#### Points to take into consideration

- \* the application should not be carried out in extremely hot, windy and rainy weather; if the ambient temperature is over + 10 °C to + 30 °C.
- \* For the applications held in extremely 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 the coating, the surface should be protected from the contact of water for 24 hours.
- \* Application should not be carried out manually.

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## Packaging

Set: 25 kg

A Component 20 kg bucket

B Component 5 kg 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.

## Technical Specifications

**Color:** Various RAL colors

**Brightness:** Bright

**Density:** 1.50 (± 0.05)

**Solids:** 100%

**Consumption:** 1.5-3 kg/m<sup>2</sup> for 1-2mm thickness

**Compressive Strength:** 60-70 N/mm<sup>2</sup>

**Adherence to Concrete:** 3-3.5 N/mm<sup>2</sup>

**Implementation Proposals**

**Application Methods:** trowel

**Mixture Life:** 30 minutes at 20 ° c,

**Waiting Period Between Coats :** 24 hours

**Curing Times**

**Mechanical Strength:** 30 ° C/10hours -20 °C/12 hours

15 °C/24 hours

**Chemical Resistance:** 30 °C/6days -20 °C/7 days

-15 °C/9 days

The above results 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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