

# eile EPX 550 PAINT

## Two-Component Solvent-Free Epoxy Coating Material

### Description

Epoxy-based, solvent-free, two-component floor coating material.

### Application Areas

- Factories, warehouses, and production areas.
- Aircraft hangars and garages.
- Dairy production facilities, slaughterhouses, and hospitals.
- Pharmaceutical and chemical industries.

### Product Features

- Contains no solvents.
- High adhesion strength.

### Application Procedure

#### Surface Preparation

The surface must have sufficient strength. The concrete floor should have a minimum compressive strength of 25 N/mm<sup>2</sup> and a tensile strength of at least 1.5-2 N/mm<sup>2</sup>. The application surface must be solid, load-bearing, dust-free, and clean. Residues such as oil, grease, paint, rust, and paraffin that reduce adhesion should be removed, and no loose parts should remain. Oily surfaces should be cleaned with chemical cleaning agents. The moisture content of the concrete floor should not exceed 5%. If the moisture content exceeds this value, a moisture-resistant epoxy primer should be applied before coating. The application surface must be primed with suitable primers (EPX 225, EPX 260, EPX 110). If the surface moisture content is above 5%, the moisture-resistant primer EPX 021 should be used.

#### Mixing

The A and B components must be mixed according to the specified ratios using a low-speed mixer for at least 3-4 minutes until a homogeneous mixture is obtained. After the first mixing, the mixture must be transferred to a clean container and mixed again.

After this process, the material is ready for use. (If the product is applied directly from the initial mixing container, free components that have not reacted may remain uncured on the surface.) The homogeneous mixture should be applied to the surface using a

notched trowel to determine the appropriate coating thickness.

### Mixing Ratio

By weight: 4/1

### Application Method

- Avoid application at temperatures below 10°C and in excessively humid environments.
- Adhere to the specified mixing ratios.
- Before applying the topcoat (EPX 225, EPX 260, EPX 021, EPX 110), the previous layer must be fully cured.
- A minimum waiting period of 12 hours between layers is required (at 20°C).
- At 20°C, the coated surface can be walked on after approximately 12 hours.

### Consumption

For a 200-micron thickness: **0.300 kg/m<sup>2</sup>**

### Cleaning of Tools: Pomex Thinner

### Important Considerations

- Avoid application in excessively hot, windy, or rainy conditions; do not apply if the ambient temperature is below +10°C or above +30°C.
- In excessively cold conditions, ensure the required ambient and floor temperature using heaters.
- The application must be carried out by experienced professionals.
- The material must be allowed to fully cure under appropriate ambient and floor temperature conditions.
- After application, the coated surface must be protected from water contact for 24 hours.

### Packaging

Set: **25 kg**

- **Component A:** 20 kg bucket
- **Component B:** 5 kg bucket

### Storage

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Store in its original, unopened packaging in a cool and dry environment at temperatures between **+5°C and +35°C**, away from direct sunlight.

## Shelf Life

When stored under the specified conditions and in its unopened packaging, the product has a shelf life of **12 months** from the production date.

## Technical Properties

**Color:** Available in various RAL colors  
**Density:** 1.50 (±0.05)  
**Solid Content:** 100%  
**Capillary Water Absorption:**  $W < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$   
**Adhesion Strength (Pull-off Test):**  $\geq 1 \text{ N/mm}^2$   
**Abrasion Resistance:** <3000 mg  
**Impact Resistance:** CLASS 2  
**Fire Classification:** D/s2/d0  
**Color:** Available in various RAL colors  
**Density:** 1.50 (±0.05)

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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