

eile EPX 550

Two-Component Solvent-Free Self-Levelling Epoxy Coating Material

Description

A two-component, epoxy-based, solvent-free, self-levelling floor coating material.

Certified according to EN 1504-2 CE.

Usage Areas

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

Product Features

- Solvent-free
- Self-levelling
- High adhesive strength

Application Procedure

Surface Preparation

Surfaces should have sufficient strength. The concrete floor must have a compressive strength of at least 25 N/mm² and a tensile strength of at least 1.5-2 N/mm². The application surface should be solid, load-bearing, dust-free, and clean. Any residues such as oil, grease, paint, rust, and paraffin that reduce adhesion must be cleaned; loose particles should be removed. Oily surfaces should be cleaned with chemical cleaning agents. The moisture content of the concrete should not exceed 5%. If the moisture content is higher than specified, a damp surface epoxy primer must be used. The application surface should be primed with appropriate primers (such as EPX 225, EPX 260, EPX 110). If the moisture content is above 5%, use a damp surface primer like **eile EPX 021**.

Mixing

Mix components A and B according to the specified ratio using a low-speed mixer for at least 3-4 minutes until a homogeneous mixture is obtained. After the initial mixing, transfer the mixture to a clean container and mix again.

The material is now ready for use. (If the product is applied directly from the first mixing container, unreacted components may remain and will not solidify). Apply the homogeneous mixture to the surface using a notched trowel to achieve the desired thickness.

Mixing Ratio

By weight: 5:1

Application Method

Avoid application in temperatures below 10°C or in very humid conditions. Ensure the correct mixing ratios. Before applying the top coat (EPX 225, EPX 260, EPX 110), make sure the base coat is fully cured. Wait at least 12 hours between coats at 20°C. After approximately 12 hours at 20°C, the surface can be walked on.

Consumption

For the top coat: 0.8-1.2 kg/m²

Cleaning of Tools

Use **Pomex Thinner** for cleaning tools.

Points to Consider

- Avoid applying in extremely hot, windy, or rainy weather; if the ambient temperature is below +10°C or above +30°C, wait for suitable conditions.
- For applications in extremely cold weather, ensure the ambient and floor temperatures are maintained using heaters.
- The application should be carried out by expert professionals.
- To ensure full curing, the ambient and surface temperatures must remain within the appropriate range.
- The coated surface should be protected from water for at least 24 hours after application.

Packaging

Set: 24 kg

Component A: 20 kg bucket

Component B: 4 kg bucket

Storage

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

Shelf Life

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

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Technical Specifications

Color: Various RAL colors
Brightness: Bright
Density: 1.50 (\pm 0.05)
Solids: 100%
Consumption: 1.5-3 kg/m² for 1-2mm thickness
Compressive Strength: 60-70 N/mm²
Adherence to Concrete: 3-3.5 N/mm²
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.



**POMZA EKSPORT MADENCİLİK SANAYİ VE
TİCARET A.Ş**

MENDERES –İZMİR/TÜRKİYE

EPOXY BASED COATING

24

EPX5

2404 – CPR – BK1056

TS EN 1504-2

Capillary water absorption	$W \leq 0,1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
Adhesion strength via pull-out test	$\geq 1 \text{ N/mm}^2$
Wear resistance	$< 3000 \text{ mg}$
crashworthiness	SINIF2
Reaction to Fire class	D/S2/D0

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.

Liability: **POMZA EXPORT A.Ş.**, the producer of **eile POMEX**-branded products, cannot be held responsible for any improper applications (misuse) due to non-compliance with the above-mentioned recommendations and application conditions. It is the responsibility of the applicator to ensure that the product is used according to its intended purpose and that the application conditions and methods are valid. **eile POMEX** Construction Chemicals does not accept any claims for compensation arising from failure to apply the products as recommended, work-related accidents, or any direct or indirect damages.

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