

Primer for epoxy coatings

UZIN EPO-34 A/B

2-component, epoxy-based primer

Description:

It is suitable as a primer on cement, anhydrite and magnesite bound subfloors. UZIN EPO-34 A/B primer is especially suitable to be used as a primer under epoxy coatings e.g. UZIN EPOLACK A/B. **Note:** For substrates in contact with the ground CM > 4%, heed test report and use a damp proof membrane (DPM). For other surfaces seek technical advice.

Suitable for use on:

- ▶ Absorbent substrates like cement screeds, calcium sulphate screeds and concrete.
- ▶ Calcium/cement plasters
- ▶ Gypsum plates / Ytong e.t.c.

Product properties / advantages:

It is suitable as a primer on cement, anhydrite, and magnesite floors. UZIN EPO34 A/B is particularly suitable as a primer prior to painting with UZIN EPOLACK A/B and as a “wet on wet” adhesion primer before the application of epoxy-resin mortars.

Composition: Epoxy resins.

- ▶ Low content of organic solvents
- ▶ Easy to process.
- ▶ Good intermediate adhesion
- ▶ Universal use

Technical Data:

Package:	Tin containers
Sizes:	8 kg (A+B) Mixing ratio 5A:3B
Storage:	minimum 12 months
Color:	Yellowish
Consumption:	100 - 250 g/m ²
Min application temperature:	10°C
Ideal working temperatures:	15 - 25°C (substrate)
Drying Time:	20-24 hours*

* At 20 °C and 65 % R.H. See also "Consumption Table".

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Substrate preparation:

The subfloor must be firm, able to bear sufficient loads and have adequate grip. It must be free of grease, oil and non-adherent components. It must also be free of any layers or contaminants that could reduce the adhesion. (Compressive strength at least 25 MPa (N/mm²), average tensile strength >1.5 MPa (N/mm²), smallest single value > 1.0 MPa (N/mm²)).

Prior to work, the subfloor must be adequately dry. The following values apply:

- Cement screed subfloors < 4 CM%.
- Anhydrite: < 0.5 CM%.
- Magnesite: 2-4 CM%.
- Concrete class > B35: < 3 CM%.
- Concrete class < B35: < 4 CM%.

Remove non-adherent layers and contaminants by suitable mechanical means (e.g. shot blasting, milling or sanding). Then remove all dust using an industrial vacuum cleaner.

Larger repairs and the filling of gaps, holes and other unevenness must be carried out with Arturo EP1500 repair mortar or EP6200 scratch coat.

Application:

1. Allow the container to reach room temperature before use and shake well. Stir component A thoroughly. Add component B and mix for at least 2 minutes with an electrical mixer (speed ca. 300 – 400 rpm).
2. Then transfer to a clean bucket and mix thoroughly once again for 1 minute. Apply along the edges with a brush and then roll with a roller.
3. Apply a closed, even layer of the mixture to the subfloor using a rubber wiper or nylon roller. For use as an adhesion layer under coatings, one layer of UZIN EPO-34 A/B is applied.
4. Clean tools with organic solvents immediately after use.

Consumption data:

Substrate	Consumption	Drying
Cement screeds, concrete	150-250 g/m ²	Approx. 18-24 hours*
Calcium sulphate screeds, gypsum, plasters	120-200 g/m ²	Approx. 20-24 hours*
Non-absorbent surfaces	100 – 150 g/m ²	Approx. 24-48 hours*

* At 20°C and 65% R.H.

Important notes:

- ▶ Minimum temperature of the subfloor: + 10°C and + 3°C above the dew point.

Room/processing temperature:

Min: + 15°C

Max: + 30°C

Optimum: + 20°C

(In general, higher temperatures shorten the pot life, whilst lower temperatures prolong the curing).

- ▶ Maximum relative humidity: 80%
- ▶ Storage life min. 12 months in original packaging when stored in moderately cool conditions. Re-seal opened containers tightly and use contents as quickly as possible. Allow product to reach room temperature before processing.
- ▶ Observe generally acknowledged industry and technology best practice, plus the respective applicable national standards. (e.g. EN, DIN).

Protection of the workplace and the environment:

Comp. A: Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT SE 3: H336 - May cause drowsiness or dizziness.

Comp. B: Acute Tox. 4: H302 - Harmful if swallowed. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1A: H317 - May cause an allergic skin reaction. STOT SE 3: H336 - May cause drowsiness or dizziness.

Both components: May cause irritations to the eyes, skin, or respiratory system.

May cause sensitization by skin contact. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use barrier cream, protective gloves, and safety-goggles. In liquid form, «hazardous to the environment», therefore do not allow into drains, water courses or landfill. Observe safety information!

On product label as well as safety data sheet. Once cured, has neutral odor, and presents no physiological or ecological risk. **For allergy information, call the poison control center +30 210 7793777 (Greece).**

Disposal:

Where possible, collect product residues and re-use. Do not empty into drains, sewers, or ground. Empty, scraped and drip-free metal/plastic containers are recyclable. Liquid residues as well as containers with liquid residues are special waste, those with mixed and cured residues are Construction Waste. Therefore, collect waste material, mix both components and allow to harden, then dispose as Construction Waste.