

NEXA FLOOR PRIMER EPOX

Epoxy primer, multi-purpose paint, self-leveling product, and synthetic mortar binder

Description:

Epoxy combination with a cycloaliphatic amine-based hardener, suitable as an epoxy primer and binder for 100% solids synthetic mortars. Applicable as a self-leveling, fluid, or dry mortar.

Approved Uses

- Epoxy primer.
- Primer for substrate leveling (with added sand) for multilayer systems or subsequent application of epoxy or polyurethane systems indoors.
- Binder for producing synthetic mortars with quartz sand for repairs, fillings, and self-leveling mortars.

Approved Substrates

Concrete and cement mortar.

For other substrates, testing is recommended to verify adhesion.

For special substrate characteristics or conditions, contact the technical department.

Advantages

- Excellent penetration and adhesion.
- 100% solids.
- Low viscosity.
- Multi-purpose product:
 - Primer.
 - Self-leveling.
 - Leveling mortar.
 - Dry mortar.
 - Rough paint.

Limitations

- Avoid forming puddles of the product.
- Exposure to UV may cause yellowing.
- For outdoor applications, sprinkle dry sand to prevent bubble formation.
- The product temperature must not exceed 86 °F (30 °C) as this accelerates the reaction and reduces the pot life.
- Improper treatment of cracks and singular points may reduce the pavement's lifespan.

Application

- **Substrate Conditions:** The substrate must have open porosity, be free of laitance and curing agents, with a minimum compressive strength of 2175 psi (15 N/mm²) and a minimum tensile strength of 145 psi (1 N/mm²).
- **Cleaning:** The substrate must be clean, free of grease, dust, and with appropriate porosity.
- **Mixing:** The two components must be mixed with a low-speed electric mixer (300-400 rpm) to prevent air entrapment.
- **Mixing Time:** Stir Component A, add Component B, and mix for at least 1 minute until a homogeneous mixture is achieved.
- **Pot Life:** Approximately 20 minutes at 68 °F (20 °C) and 55% relative humidity.
- **Application Methods:** Apply using a brush, roller, or metal/rubber spreaders. If necessary, dilute with a maximum of 10% solvent.
- **Recoating Time:** 2-24 hours, depending on the previous layer and environmental conditions. Do not recoat after 48 hours.
- **Drying Times:**
 - Touch dry: 2 hours
 - Pedestrian traffic: 4-6 hours
 - Light traffic: 1 day
 - Full cure: 7 days

Consumption

- **Standard Application:** 0.05-0.08 lb/ft² (250-400 g/m²) per coat, depending on the application method, porosity, and roughness of the substrate.
- **Synthetic Mortars:** For resin-to-aggregate ratios of 1/6 to 1/9, the consumption is approximately 0.41 lb/ft² (2 kg/m²) per millimeter of thickness.

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Cleaning

- Clean tools immediately after use with solvent.
- Fully cured material can only be removed mechanically.

Presentation and Colors

- Batch Size: 44 lb (20 kg):
 - Component A: 35.2 lb (16 kg)
 - Component B: 8.8 lb (4 kg)
- Batch Size: 11 lb (5 kg):
 - Component A: 8.8 lb (4 kg)
 - Component B: 2.2 lb (1 kg)

Container Stability

12 months in a dry place between (5°C and 25°C).

Transportation, Preventive measures and Storage

Refer to the safety data sheet.

The information provided serves as a recommendation based on laboratory tests and our current knowledge. Different conditions on construction sites may result in variations from the given information; therefore, our warranty is limited to the supplied product. For any questions, please contact our technical department.

Technical Data of the Liquid Product

CONCEPTS	RESULTS
Density	86.2 lb/ft ³ (1.38 g/cm ³)
Viscosity	1200 cps
Pot Life (77 °F / 25 °C)	20 minutes
Recoat Time (77 °F / 25 °C)	3-24 hours
Touch Dry Time	2 hours
Full Cure	7 days

Technical Data of the Membrane

CONCEPTS	RESULTS
Substrate Temperature	>46.4 °F to <77 °F (>8 °C to <25 °C)
Ambient Temperature	>46.4 °F to <86 °F (>8 °C to <30 °C)
Relative Humidity	<80%
Substrate Moisture	<98%
Compressive Strength	7252 psi (>50 N/mm ²)
Flexural Strength	2900 psi (>20 N/mm ²)
Adhesion Strength (Dry/Wet)	>290 psi (>2 N/mm ²)