

NEXA FLOOR EPOX 100 T

Transparent, two-component, 100% solids epoxy coating

Description:

NEXA FLOOR EPOX 100 T is a transparent, two-component, 100% solids epoxy coating, designed for a glossy finish on interior floors, with non-yellowing properties.

Approved Uses

Treatment, decoration, and protection of pavements, floors, and rehabilitation of:

- Industrial floors
- Food-grade floors
- Chemical floors
- Vehicular floors (light traffic)
- And others
- Dust-proof concrete protection
- Finishing for epoxy and polyurethane multilayer and self-leveling systems
- Coating for poorly ventilated areas
- Binder for producing heavily loaded synthetic mortars with quartz sand, suitable for repairs and floors over 3 mm thick, troweled manually or with an appropriate power trowel. Non-yellowing.

Approved Substrates

Concrete and cement mortar

For other substrates, testing is recommended to verify adhesion.

For specific substrate conditions, contact the technical department.

Advantages

- Quick and easy application
- 100% solids
- Solvent-free and odorless
- Low consumption
- Good adhesion to concrete
- Good abrasion resistance
- Good mechanical resistance
- Good chemical resistance

Limitations

- For chemical applications, consult the technical department.
- Improper treatment of cracks and singular points may reduce the pavement's lifespan.

Application

- The substrate must be clean, free of grease and dust, leveled, porous, and dry.
- Before applying, confirm that the temperature and humidity requirements are met (refer to the table).
- It is important to monitor the dew point to avoid condensation and whitening in the coating.
- A porous concrete substrate, free of laitance and curing agents, is required.
- Compression resistance: 15 MPa (2175 psi).
- Concrete tensile strength: 1 MPa (145 psi).
- In case of doubt, perform a test before application.
- If substrate conditions differ from the required specifications, consult the technical department.
- The two components must be mixed using a low-speed electric mixer (300-400 rpm) to avoid air entrapment.
- Stir Component A thoroughly in its container, then add Component B, mixing for at least 1 minute until a homogeneous product is achieved.
- If over-mixed, air bubbles may appear in the mixture
- Pot life is approximately 15 minutes at 68 °F (20 °C)
- The product can be diluted with Solvent 01 at 5-10%
- Apply using a roller, rubber squeegee, or brush
- Recoating should be done once previous layers are dry, approximately 12-24 hours without sanding. Do not recoat after 48 hours.
Drying Times:
Touch dry: 6-8 hours
Pedestrian traffic: 24 hours
Light traffic: 2 days
Full cure: 7 days
(Approximate times at 77 °F (25 °C) and 55% relative humidity)
- The times are approximate and can be affected by environmental conditions, particularly humidity and temperature.
- To maintain the pavement's appearance after application, clean all spills immediately. Regular cleaning should be performed using rotary brushes, high-pressure cleaners, vacuums, and appropriate detergents and waxes.

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- **Finishes**
The product provides a glossy finish and is non-yellowing.

Consumption

- Apply an approximate consumption of 0.04-0.10 lb/ft² (200-500 g/m²) per coat.
- As a binder for synthetic mortars (resin: aggregate ratio = 1:10), approximately 0.016 lb/ft² (200 g/m²) per millimeter of thickness.

Cleaning

- Tools should be cleaned immediately after use with Solvent.
- Fully cured material can only be removed mechanically.

Presentation

- Batch Size: 33.07 lb (15 kg):
 - Component A: 21.16 lb (9.6 kg), transparent.
 - Component B: 11.90 lb (5.4 kg), transparent.
- Batch Size: 11.02 lb (5 kg):
 - Component A: 7.05 lb (3.2 kg), transparent.
 - Component B: 3.97 lb (1.8 kg), transparent.

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
Physical Appearance	Liquid
Mixing Ratio	Component A: 77%, Component B: 23%
Chemical Base	Epoxy
Density	68.7 lb/ft ³ (1.1 g/cm ³)
Solids Content	100%
Viscosity	300 mPas
Pot Life	15 minutes
Recoat Time	12-24 hours (not beyond 48 hours)
Touch Dry Time	6-8 hours
Full Cure	7 days

Technical Data of the Membrane

CONCEPTS	RESULTS
Substrate Temperature	+50 °F to +86 °F (+10 °C to +30 °C)
Ambient Temperature	+50 °F to +86 °F (+10 °C to +30 °C)
Relative Humidity	<85%
Substrate Moisture	<4%
Wear Resistance	56 µm
Adhesion Strength	2.5 N/mm ² (362.5 psi), concrete failure