NEXA FLOOR EPOX 100

Pigmented, two-component, 100% solids epoxy coating

PAINTS AND SEALERS

Description:

NEXA FLOOR EPOX 100 is a pigmented, two-component, 100% solids epoxy coating, designed as a glossy finish for interior floors.

Approved Uses

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

- Industrial floors
- Food-grade floors
- Chemical floors
- Vehicular floors (light traffic)
- Others
- Final layer for epoxy and polyurethane multilayer and self-leveling systems
- Coating for poorly ventilated areas

Approved Substrates

Concrete, cement mortar, and epoxy coatings

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
- Controlled consumption
- Good adhesion to concrete
- Good abrasion resistance
- Good mechanical resistance
- Good chemical resistance
- High covering power in medium thicknesses

Limitations

- Exposure to UV may cause yellowing.
- 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 product can be diluted with solvent at 5-10%.
- Pot life is approximately 30 minutes at +68 °F (20 °C).
- Apply using a roller, brush, or airless spray.
- Prime the substrate with NEXA FLOOR PRIMER EX01 and apply two coats of NEXA FLOOR EPOX 100 once the primer is dry.
- Alternatively, dilute NEXA FLOOR EPOX 100 with 10% solvent and use it as a primer. (This may affect VOC levels.)
- 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 3 minutes until a homogeneous product is achieved.
- If over-mixed, air bubbles may appear in the mixture.
- 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: 8-12 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.

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- Finishes
  Colors available according to the RAL color chart.

Consumption

- Approximate consumption: 0.06-0.10 lb/ft² (300-500 g/m²) in two coats.

Cleaning

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

Presentation

- Batch Size: 44.09 lb (20 kg):
  - Component A: 33.95 lb (15.4 kg), RAL pigmented color.
  - Component B: 10.14 lb (4.6 kg), whitish color.
- Batch Size: 11.02 lb (5 kg):
  - Component A: 8.49 lb (3.85 kg), RAL pigmented color.
  - Component B: 2.54 lb (1.15 kg), whitish color.

Container Stability

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

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	1.5 g/cm³ (93.6 lb/ft³)
Solids Content	100%
Pot Life	30 minutes
Recoat Time	12-24 hours (<48 hours)
Touch Dry Time	8-12 hours
Full Cure	7 days

Technical Data of the Membrane

CONCEPTS	RESULTS
Substrate Temperature	+50 ºF to +86 ºF (+10 ºC to +30 ºC)
Ambient Temperature	+50 ºF to +86 ºF (+10 ºC to +30 ºC)
Relative Humidity	<85%
Substrate Moisture	<4%
Wear Resistance	60 µm
Adhesion Strength (Pull-off Test)	2.5 N/mm² (concrete failure)

For more information about our products and systems, as well as technical documentation downloads or safety data sheets, please visit our website or contact us.

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