

NEXA FLOOR EPOX D

Solvent-based, two-component pigmented epoxy coating

Description:

NEXA FLOOR EPOX D is a solvent-based, two-component pigmented epoxy coating with high covering power in low thicknesses, suitable as a glossy finish for interior floors.

Approved Uses

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

- Industrial floors.
- Chemical floors.
- Vehicular floors (light traffic).
- Others.
- Finish for epoxy and polyurethane multi-layer and self-leveling systems.

Approved Substrates

Concrete and cement mortar

For other substrates, it is recommended to perform tests to verify adhesion.

For specific substrate conditions, contact the technical department.

Advantages

- Quick and easy application
- Low consumption
- Good adhesion to concrete
- Good abrasion resistance
- Good mechanical resistance
- Good chemical resistance
- High covering power in low thicknesses
- Anti-slip finish capability
- Long pot life

Limitations

- Ensure proper ventilation during application and for 48 hours afterward in enclosed spaces.
- Do not exceed the maximum consumption as it may affect adhesion and durability.
- Avoid forming puddles of the product.
- 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
- The concrete substrate must be porous, free of laitance, and without curing agents
- Compression resistance: 15 MPa (2175 psi).
- Concrete tensile strength: 1 MPa (145 psi).
- In case of doubt, perform a test before application.
- If the substrate conditions differ from the required specifications, consult the technical department.
- The product can be used as a primer by diluting it 10% with solvent.
- 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 homogeneous.
- If over-mixed, air bubbles may appear in the mixture.
- Pot life is approximately 4 hours at 77 °F (25 °C) and 55% relative humidity.
- Apply using a roller, brush, or airless spray.
- Recoating should be done once previous layers are dry, approximately after 6 hours. Do not recoat after 48 hours.
Touch dry: 4 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 changes in environmental conditions, particularly humidity and temperature.
- Ensure proper ventilation to eliminate excess solvent during curing, for at least 24 hours after application.

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- **Finishes**
Anti-slip: For abrasive anti-slip finishes, add corundum to the product at a dosage of 0.008-0.033 lb/ft² (0.1-0.4 kg/m²). For non-abrasive anti-slip finishes, add anti-slip agents in the same proportion.
- **Maintenance**
To maintain the pavement's appearance after application, all spills must be cleaned immediately.
Regular cleaning should be performed using rotary brushes, high-pressure cleaners, vacuums, and appropriate detergents and waxes.

Consumption

- Apply in thin layers with an approximate consumption of 0.04-0.06 lb/ft² (200-300 g/m²) in two coats.
- Final consumption will depend on the substrate's roughness.

Cleaning

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

Presentation

- Batch Size: 44.09 lb (20 kg):
 - Component A: 35.27 lb (16 kg), RAL pigmented color.
 - Component B: 8.82 lb (4 kg), yellowish color.
- Batch Size: 11.02 lb (5 kg):
 - Component A: 8.82 lb (4 kg), RAL pigmented color.
 - Component B: 2.2 lb (1 kg), yellowish color.

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	A4: B1 / A3: B1
Chemical Base	Solvent-based epoxy
Density	87.4 lb/ft ³ (1.4 g/cm ³)
Solids Content	70%
Pot Life	>4 hours
Recoat Time	6-8 hours
Full Cure	7 days

Technical Data of the Membrane

CONCEPTS	RESULTS
Substrate Temperature	+46 °F to +104 °F (+8 °C to +40 °C)
Ambient Temperature	+46 °F to +104 °F (+8 °C to +40 °C)
Relative Humidity	<80%
Substrate Moisture	<4%
Wear Resistance	35 µm
Adhesion Strength	580 psi (>4 N/mm ²)