NEXA FLOOR EPOX A

Water-based, two-component pigmented epoxy coating

PAINTS AND SEALERS

Description:

NEXA FLOOR EPOX A is a water-based, two-component pigmented epoxy coating suitable for damp substrates. It is designed as a satin-gloss 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)
- And others

- Dust-proof concrete protection
- Final layer for epoxy and polyurethane multilayer and self-leveling systems

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
- Low consumption
- Good adhesion on concrete
- Good abrasion resistance
- Good mechanical resistance
- Good chemical resistance
- Solvent-free and odorless
- Anti-slip finish capability

Limitations

- In enclosed spaces, ensure proper ventilation during application and for 48 hours afterward.
- 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.
- 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.
- Does not require prior priming.
- For the first coat, dilute the product with 10% water.
- The two components must be mixed using a low-speed electric mixer (300-400 rpm) to avoid air entrapment.
- Stir Component B thoroughly in its container, then add Component A, 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 1 hour at 77 °F (25 °C).
- Dilutable with water up to 10% for the first priming coat. Subsequent coats should be applied undiluted.
- Apply using a roller, brush, or airless spray.
- Recoating should be done once previous layers are dry, approximately after 12 hours, but not beyond 48 hours.
- Drying Times:
  Touch dry: 3-5 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.
- Ensure proper ventilation to eliminate excess humidity during curing, for at least 48 hours after application.

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- Finishes
  Colors available according to the RAL color chart.
- 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

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

Presentation

- Batch Size: 22.05 lb (10 kg):
  - Component A: 9.48 lb (4.3 kg), whitish color
  - Component B: 12.57 lb (5.7 kg), RAL pigmented color
- Batch Size: 8.82 lb (4 kg):
  - Component A: 3.79 lb (1.72 kg), whitish color
  - Component B: 5.03 lb (2.28 kg), RAL pigmented 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: 57%, Component B: 43%
Chemical Base	Water-based epoxy
Density	1.2 g/cm³ (74.9 lb/ft³)
Pot Life	1 hour
Recoat Time	<48 hours
Touch Dry Time	3-5 hours
Full Cure	7 days

Technical Data of the Membrane

CONCEPTS	RESULTS
Substrate Temperature	+50 ºF to +95 ºF (+10 ºC to +35 ºC)
Ambient Temperature	+50 ºF to +95 ºF (+10 ºC to +35 ºC)
Relative Humidity	<75%
Substrate Moisture	Accepts moisture
Wear Resistance	85 µm
Adhesion Strength	435 psi (>3 N/mm²)

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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