

NEXA FLOOR EPOX PRO

Self-leveling, solvent-free epoxy flooring

Description:

A self-leveling, two- or three-component (with optional silica) solvent-free epoxy floor coating with excellent mechanical and chemical properties. Suitable 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 (intense traffic).
- Shopping centers.
- Refrigeration chambers.

Approved Substrates

Concrete, cement mortar.

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

For special substrate conditions, contact the technical department.

Advantages

- Solvent-free.
- Good adhesion on almost all types of surfaces.
- Excellent resistance to abrasion and impacts.
- Excellent mechanical resistance.
- Excellent chemical resistance.
- Exceptional resistance to extreme temperatures: -4°F to $+176^{\circ}\text{F}$ (-20°C to $+80^{\circ}\text{C}$).
- Completely impermeable and resistant to permanent water contact, hydrolysis, and microorganisms. Once cured, the pavement is non-toxic.

Limitations

- Exposure to UV may cause yellowing. It is recommended to finish with compatible paints.
- For chemical applications, consult the technical department.
- Incorrect 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.
- Protect the product from moisture, especially rain, during the curing process (10-12 hours). Moisture may cause surface whitening, which does not affect the coating's performance but must be removed before applying additional layers to ensure adhesion.
- A porous concrete substrate, free of laitance and curing agents, is required.
- Compression resistance: 2175.57 psi (15 N/mm²).
- Tensile strength of concrete: 145.04 psi (1 N/mm²).
- In case of doubt, perform a test before application.
- For a system without sand addition:
 - Prime the surface with NEXA FLOOR PRIMER EX01 according to substrate conditions. Apply NEXA FLOOR EPOX PRO with a notched trowel in a layer of 0.0591–0.0787 in (1.5-2 mm). After spreading the product, pass a spiked roller over it to release air bubbles.
- For a system with sand addition:
 - Prime the surface with NEXA FLOOR PRIMER EX01. Apply a self-leveling mortar layer of approximately 0.0787 in (2 mm) thick, composed of 1 part by weight of NEXA FLOOR EPOX PRO and 1 part by weight of silica. After spreading the mortar, use a spiked roller to release air bubbles.
- The 2 or 3 components must be mixed using a low-speed electric mixer (300-400 rpm) to avoid air entrapment.
- For two-component applications:
 - Mix Component A thoroughly in its container, add Component B, and mix for at least 2 minutes until homogeneous.
- For three-component applications:
 - Mix Component A thoroughly in its container, add Component B, mix for at least 1 minute, then add Component C and mix for 2 more minutes until homogeneous.

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- Over-mixing may result in air bubbles.
- Do not dilute the product. It is ready to use.
- Pot life: 20 minutes at 77 °F (25 °C).
- Apply using a notched trowel and a spiked roller.
- Recoating should be done once the previous layers are dry (12-24 hours). Do not recoat after 48 hours.

Touch dry 5 hours.

Pedestrian traffic 24 hours.

Light traffic 2 days.

Full cure 7 days.

(Temperatura aproximada 77°F (25 °C) y 55% HR.)

- Times are approximate and depend on environmental conditions, particularly temperature and humidity.
- Ensure proper ventilation to remove excess humidity for at least 48 hours during curing.
- Finishes:
The product provides a smooth, glossy finish.
Available colors: White, gray, red, green.
Additional RAL colors are available upon request.
- Maintenance and Cleaning:
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.

Consumption

- Primer (NEXA FLOOR PRIMER EX01) 0.05-0.1 lb/ft² (250-500 g/m²).
- Two-component system 0.31 lb/ft² (1.5 kg/m²) per mm thickness.
- Three-component system 0.37 lb/ft² (1.8 kg/m²) per mm thickness.

Cleaning

- 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.

Presentation

- Two-component kits:
 - 8.82 lb (4 kg):
 - Component A: 8.82 lb (4 kg) (RAL color).
 - Component B: 2.2 lb (1 kg) (slightly yellowish transparent).
 - 44.09 lb (20 kg):
 - Component A: 35.27 lb (16 kg) (RAL color).
 - Component B: 8.82 lb (4 kg) (slightly yellowish transparent).
- Three-component kits:
 - 55.12 lb (25 kg):
 - Component A: 22.05 lb (10 kg) (RAL color).
 - Component B: 5.51 lb (2.5 kg) (slightly yellowish transparent).
 - Component C: 27.56 lb (12.5 kg) (epoxy silica).
 - 110.23 lb (50 kg):
 - Component A: 44.09 lb (20 kg) (RAL color).
 - Component B: 11.02 lb (5 kg) (slightly yellowish transparent).
 - Component C: 55.12 lb (25 kg) (epoxy silica).

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.

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PAINTS AND SEALERS

Technical Data of the Liquid Product

CONCEPTS	RESULTS
Physical Appearance	Liquid
Chemical Base	Solvent-free epoxy
Density	90.6 lb/ft ³ (1.45 g/cm ³)
Solids Content	100%
Pot Life	20 minutes
Touch Dry Time	5 hours
Recoat Time	16-48 hours
Full Cure	7 days
Minimum Curing Temperature	46.4 °F (8 °C)

Technical Data of the Cured Product

CONCEPTS	RESULTS
Service Temperature	-4 °F to +176 °F (-20 °C to +80 °C)
Compression Resistance	7982 psi (55 N/mm ²)
Wear Resistance	30 µm
Impact Resistance	>4 Nm
Shore Hardness (D)	>84

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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