

NEXA PRIMER EPOX W

Water-based two-component epoxy, adhesive, adhesion promoter bonding bridge

Descripción

Two-component water-based epoxy coating for priming polyurethane and epoxy-based systems on low-porous substrates with residual moisture and negative pressure. It is classified as a "Class III" vapor barrier, making it ideal for applications with negative pressure and residual moisture. It is an easy-to-apply and safe product (zero VOC). The appearance of the mixture is milky; after mixing the two components, once cured, the coating is completely transparent (except when pigmented).

Approved Uses

Waterproofing and protection of:

- Suitable primer for polyurethane, polyurea, acrylic, and epoxy systems.
- Concrete sealing.
- Continuous coating on concrete substrates such as food warehouses, schools, hospitals, etc.
- Adhesive between old and new mortars/concretes.
- Vapor barrier.

Supported Substrates

Substrate with residual moisture.

Negative pressure or increasing humidity.

Low-porosity substrate.

Industrial or mosaic floor, concrete, marble, iron, galvanized steel, aluminum, glass, and wood.

For other substrates, we recommend conducting tests to verify adhesion. For specific substrate peculiarities or conditions, please contact the technical department.

Limitations

- Do not apply at temperatures below +50°F.
- Do not exceed the maximum consumption, as it may affect its adhesion and durability.
- Ensure proper ventilation in indoor spaces during application and for at least the next 24 hours.
- Avoid the formation of product puddles.
- In transparent applications exposed to UV, yellowing may occur.
- Improper treatment of cracks and specific areas may diminish the longevity of the waterproofing.

Advantages

- Highly effective as a vapor barrier.
- Simple application (water-based product).
- Non-flammable (zero VOC).
- Odor-free.
- Strong adhesion even on damp or green concrete. Also suitable for iron, galvanized steel, aluminum, glass, and wood.
- Good mechanical properties and abrasion resistance.
- Easy to clean.



Application

- The substrate must be clean, free from grease, and dust, leveled with porosity, and capable of accepting moisture while avoiding waterlogged surfaces.
- Before applying, confirm that the temperature and humidity requirements are as needed:
Substrate temperature: >+ 50°F to <+104°F
Relative humidity: <75 %
Compressive strength: 2175 psi
Concrete tensile strength: 145 psi
- It is important to control the dew point to prevent condensation and avoid whitish areas on the coating.
- A porous concrete substrate is required, free of grout and curing liquids.
- If applied to hot concrete, it should be moistened before application.
- In case of uncertainty, conduct a test before applying.
- We recommend mixing by stirring the product before use. Product A should be mixed in its container with the assistance of a low-speed electric stirrer (300-400 rpm) to avoid the inclusion of air in the mixture. Next, add Component B and stir for a minimum of 2 minutes until achieving a homogeneous product. Excessive stirring may lead to the formation of air bubbles.
- Pot life, approximately 1 hour at +77°F and 55% R.H.
- You can add between 10-30% water.
- Apply with a roller, brush, or airless spray gun.

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PRIMERS

- The drying time cannot be determined in terms of hours as it depends greatly on weather conditions. It may dry in 2 hours if it is summer and take up to 24 hours during winter. Once the material has hardened to the point where it is no longer possible to dent it with a fingernail, you can proceed with repainting using NEXA PRIMER EPOX W or NEXA PU CLASSIC. Additionally, you will notice that the applied layer will have changed from a milky white color to a transparent one.
Dry to touch: 5-6 hours
Pedestrian traffic: 24 hours
Light traffic: 2 days
Full cure: 7 days
(Approximate temperature 77°F and 55% RH.)
- Times are approximate and may be affected by changes in environmental conditions, particularly fluctuations in humidity.
- Adequate ventilation must be ensured to eliminate excess moisture during curing, at least in the next 24-48 hours after application.

Cleaning

- The tools will be cleaned immediately after use with paper or water, and then with solvent. Under no circumstances should they be reused for mixing or applying polyurethane products.
- The fully cured material can only be removed by mechanical means.

Presentation

Lots of 8.82lbs.

A: 2.205lbs colorless liquid.

B: 6.615lbs transparent liquid.

Lots of 44.1lbs.

A: 11.025lbs colorless liquid.

B: 33.075lbs transparent liquid.

Colors

Product A is colorless, product B is transparent.

Container Stability

12 months in a dry place between 41°F to 77°F.

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 membrane

CONCEPTS	RESULTS
Support temperature	>+50°F <+104°F
Room temperature	>+50°F <+104°F
Relative humidity	<75 %
Substrate humidity	Allows moisture, no ponding
Adhesive strength by peel test	>435 lbs/in ²
Water vapor transmission	0.01134 lbs/yd ² .24hr. Class III (Low, < 15)
Water transmission	0.0055–0.0110 lbs/yd ² .24hr. Class III (Low, < 0.1)

Technical data of the liquid product

CONCEPTS	RESULTS
Viscosity at 77°F	3.500 cSt
Density at 68°F	0.036 lbs/in ³
Repainting at 77°F	6-48 Hours
Total curing time	7 days
Dry to touch	5-6 hours
VOC	0 lbs/gal
Mixing ratio	1:3



*laboratories working with us.

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.

NEXA COATINGS
contact@nexacoatings.com
 +1 3052304789
www.nexacoatings.com