

NEXA PRIMER PU

A primer coat of solvent-based polyurethane, a single component with low viscosity

Description:

A single-component, aromatic polyurethane primer designed for dry concrete and non-vitrified ceramic substrates. It cures through ambient humidity, creating an exceptionally hard, strong, and continuous film.

Approved Uses

Waterproofing and protection of:

- Suitable primer for polyurethane, polyurea, acrylic, and epoxy systems.
- Suitable for dry concrete or non-vitrified ceramic substrates.

Supported Substrates

Concrete, cement, non-vitrified ceramic, metal sheets, and lacquered aluminum.

For a galvanized sheet, it will be necessary to perform a treatment to open the pore (wash primer).

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

Limitations

- Do not exceed the maximum consumption as it may affect its adhesion and durability.
- Indoors, ensure proper ventilation during application and for the following 24 hours.
- Avoid the formation of product puddles.
- In transparent applications exposed to UV, yellowing may occur.
- We do not recommend dilution.
- Improper treatment of cracks and specific areas may diminish the longevity of the waterproofing.

Advantages

- Ready to use.
- Fast and easy application.
- Fast curing even at low temperatures.
- High adhesion on most substrates.
- Excellent resistance to extreme temperatures (ranging from -40°F to 176°F). Maximum shock temperature 392°F .
- High resistance to abrasion, tension, and rupture.
- Can be used as a sealing coat.

Application

- The substrate must be clean, free from grease, and dust, level with porosity, and dry.



- Before applying, confirm that the temperature and humidity requirements are as needed:
Substrate temperature: $>+50^{\circ}\text{F}$ to $<+86^{\circ}\text{F}$
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.
- We recommend stirring the product before use with the help of a low-speed electric stirrer (300- 400 rpm) to avoid the inclusion of air in the mixture.
- If stirred excessively, air bubbles may appear.
- Apply with a roller, brush, or airless spray gun.
- Apply in thin layers.
- Perform repainting before the preceding coat dries to enhance adhesion (2-3 hours).
Dry to touch: 1-2 hours
Pedestrian traffic: 24 hours
Light traffic: 2 days
Full cure: 7 days
(Approximate temperature 77°F and 55% RH.)
- The times are approximate and can be affected by changes in environmental conditions, especially by variations in humidity and temperature.
- Ensure proper ventilation to remove excess solvent during curing, at least in the following 24 hours after application.
- Once opened, we recommend using the entire container.

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Cleaning

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

Presentation

Boxes of 4 metal containers of 11.02lbs.
Metal containers of 44.09lbs.

Colors

Transparent product.

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 <+86 °F
Room temperature	>+50 °F <+86 °F
Relative humidity	<75 %
Substrate humidity	<4 %
Hardness	Shore A / >90
Elasticity percentage at 73°F	<10 %
Tensile strength at 73°F	7857psi
Adhesion strength by peel test	290 psi

Technical data of the liquid product

CONCEPTS	RESULTS
Viscosity at 77°F	110 cSt
Density at 68°F	8.17 lb/gal
Repainting at 77°F	2-3 Hours
Total curing time	7 days
Dry to touch	1-2 hours
VOC	4.07 lb/ga
Flash point	82 °F

PRIMERS



*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.

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