NEXA PRIMER PU 2K

Polyurethane-based primer, two-component, solvent-free

PRIMERS

Description:

Two-component polyurethane, solvent free, specially designed for increasing the adherence in polyurethane and epoxy base systems. The primer is fast-cured, zero VOC and asphalt oil barrier.

Approved Uses

Waterproofing and protection of:

- Suitable primer for polyurethane, polyurea, acrylic, and epoxy systems.

Supported Substrates

Concrete, and metal supports including galvanized, aluminum, marble, asphalt, and asphalt membranes.
Over NEXA PU CLASSIC after more than 48 hours from the application of the first coat.
On dry, non-porous concrete, it should be diluted with solvent between 5-10% (In this case, it would not be a VOC Zero product).
For other substrates such as plastic materials, we recommend conducting tests to verify adhesion. For specific substrate peculiarities or special conditions, please contact the technical department.

Limitations

- Do not exceed the maximum consumption as it may affect its adhesion and durability.
- 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

- Excellent adhesion on almost all substrates.
- Fast curing.
- Especially suitable for cold climates or low humidity conditions.
- Solvent-free.
- Safe product, non-flammable (VOC 0), and virtually odorless.
- Suitable for application in enclosed spaces.
- Cures at low temperatures and on wet concrete.
- Highly hydrophobic.
- Can be used for impregnating reinforcing geotextiles and facilitating their installation.

Application

- The surface must be clean, free from grease, dust, and leveled with porosity.

- Before applying, confirm that the temperature and humidity requirements are as needed:
  Substrate temperature: >+50 °F to <+86 °F
  Relative humidity: <85 %
  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.
- In case of doubt, perform a test before application.
- 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.
- Apply with a roller, brush, or airless spray gun.
- It can be diluted between 5-10% with solvent. In this case, it will not be a VOC zero product. If diluted, apply in open or well-ventilated areas.
- Aggregate (0.0157–0.0315 in) can be sprinkled to increase the adhesion surface.
- To even out surfaces, fine aggregate can be mixed into the product, and afterward, it can be sprinkled to saturation.
- It has a pot life of approximately 20 minutes at +77°F. To increase its pot life, you can dilute the product by 5-10% with solvent.
- Apply in thin layers.

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- Repainting time:
  Dry to touch: 4 hours
  Pedestrian traffic: 24 hours
  Light traffic: 2 days
  Full cure: 7 days
  (Approximate temperature 77°F and 55% RH.)
- The approximate repaint time is 4-24 hours (2nd coat or subsequent coating).
- The times are approximate and may be influenced by changes in environmental conditions, especially variations in humidity and temperature.

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 with 4 lots of 4 lbs each:
A 3.52 lbs - Brown color (isocyanate).
B 5.29 lbs - Transparent (Polyols and amines).

Lots of 44.09 lbs:
A 17.64 lbs - Brown color (isocyanate).
B 26.46 lbs - Transparent (Polyols and amines).

Colors

Component A: Brown color.
Component B: 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 ºF <+86 ºF
Room temperature	>+50 ºF <+86 ºF
Relative humidity	<85 %
Substrate humidity	Accepts moisture

Technical data of the liquid product

CONCEPTS	RESULTS
Viscosity C.A at 77°F ViscosityC.B at 77°F	200 cSt 3500 cSt
Density at 68°F	C.A 0.043 lbs/in³ C.B. 0.036 lbs/in³
Repainting at 77°F	4-24 Hours
Total curing time	7 days
Dry to touch	4 hours
VOC	0 lb/ga
Mixing in volume	C.A. 1: C.B 2 %
Mixture by weight	C.A. 1: C.B.1,5 %
Mixing ratio	1:1,5 %

Adhesion test according to ASTM D4541

Test Details	RESULTS
Galvanized steel, >450 psi	Adhesive failure
Concrete, >580 psi	Concrete failure
Wet concrete, >580 psi	Concrete failure
Marble, 725 psi	Adhesive failure
Hyperdesmo on Universal Primer, >725 psi	Adhesive failure

*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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