

NEXA UV PROTECTIVE ELASTIC

Flexible, aliphatic, and glossy transparent polyurethane varnish

Description:

Aliphatic solvent based polyurethane varnish for UV protection of NEXA PU CLASSIC and NEXA POLYUREA. A single-component product that dries through ambient humidity, forming a hard, strong, continuous, and elastic film with excellent mechanical and adhesive properties, making it resistant to weathering, extreme temperatures, UV rays, and chemicals. Can be easily pigmented with a special pigment for polyurethane, it is recommended adding a 10% by weight. Apply with roller or airless in a minimum 2 layers.

Approved Uses

Waterproofing and protection of:

- As a finish (enhances resistance to abrasion and UV) for NEXA PU CLASSIC waterproofing systems (always pigmented).
- Concrete protection and synthetic coatings.

Supported Substrates

Concrete, cement, ceramics, synthetic materials (such as polyurethanes), ...

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

Limitations

- Not suitable for application in pools or reservoirs with treated water.
- In summer, when the substrate is very hot, we recommend applying in the early morning or late afternoon.
- Do not apply in thick layers.

Advantages

- 100% aliphatic product that does not yellow, change color, or peel.
- High elasticity.
- High resistance to abrasion, tension, and tearing.
- Curing even at low temperatures and in humid conditions.
- Excellent adhesion to almost all types of surfaces.
- Outstanding resistance to weather and extreme temperatures.
- Liquid product that conforms to any roof shape.
- Excellent chemical resistance.
- Highly hydrophobic.

Application

- Requires a smooth, clean, dry substrate without residual moisture and as solid as possible. Use NEXASMART FLEX or a single-component concrete repair mortar to prepare irregular or defective substrates.
- It can be applied by roller, brush, or airless spray gun.

- In most applications, no primer is required. For glazed surfaces, apply a one-component adhesion-promoting primer without yellowing on non-porous substrates (For more information about primers, consult the technical service).
- Applied as a sealant for NEXA PU CLASSIC, it should be pigmented with pigment pastes (maximum 10%) or in a ratio of 8.8 lb (4 kg) of NEXA UV PROTECTIVE to 2.2 lb (1 kg) of NEXA PU CLASSIC. Ensure that no more than 72 hours elapse from the application of NEXA PU CLASSIC.
- Apply in very thin layers.
- Do not wait more than 48 hours between layers.
- The recoat time is between 6-24 hours.
- For a slip-resistant application, add white corundum to the final layer of NEXA UV PROTECTIVE (varying its particle size according to the final use).
- Once opened, we recommend using the entire container.

Consumption

- Consumption is 0.0307-0.1024 lb/ft² (0.150-0.5 kg/m²), depending on substrate porosity and final use.
- For concrete sealing, consumption is 0.0307-0.04096 lb/ft² (0.150-0.200 kg/m²)
- For UV sealing and protection of NEXA PU CLASSIC, consumption is 0.0307-0.04096 lb/ft² (0.150-0.200 kg/m²). For sealing and pedestrian traffic, it is 0.04096-0.0614 lb/ft² (0.200-0.300 kg/m²); if aggregate is added, consumption can reach up to 0.1024 lb/ft² (0.500 kg/m²), depending on aggregate size.

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PAINTS AND SEALANTS

Cleaning

- For cleaning always use solvent.

Presentation

Metal containers of 44.09 lb (20 kg) and boxes of 4 units of 8.82 lb (4 kg).

Colors

Glossy transparent, and color can be adjusted using pigment pastes.

Container Stability

12 months in a dry place between 41°F to 77°F / 5 °C a 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.

Technical data of the membrane

CONCEPTS	RESULTS
Service temperature	-40 to 176 °F (-40°C to +80°C)
Hardness	Shore D / 40
Tensile strength at 73°F (23°C)	5698 psi (400 kg/cm ²)
Elasticity percentage at 73°F (23°C)	>300 %
Thermal resistance (100 days at 176°F/ 80°C)	Pass
QUV Weathering Resistance Test (4hr UV, at 140°F / 60°C (UVB lamp) & 4hr COND at 122°F / 50°C)	Passes 2000h
Water absorption	<1,4%
Estimated minimum lifecycle	W3 / 25 years
Climate zone	S / Severe
Roof slope	S1-S4 / <5% > 30%
Minimum substrate temperature	TL3 / -4 °F (-20°C)
Maximum substrate temperature	TH1-TH4 / 86 °F (30°C) to 194 °F (90°C)
Usage loads	P1 / P4
8% Potassium hydroxide for 10 days at 122°F (50°C)	Without significant changes in elastomeric properties
5% Sodium hypochlorite for 10 days	
Water vapor transmission	0.0026 oz/ft ² .hr (0.8 g/m ² .hr)

Technical data of the liquid product

70% solids in Xylene

CONCEPTS	RESULTS
Viscosity	500 cSt
Specific weight	62.4 lb/ft ³ (1 g/cm ³)
Repainting	6-24 Hours
Surface dry time at 77°F and 55% RH	6-8 Hours
Solid content	65%

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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