

# NEXA UV PROTECTIVE W

Water-based polyurethane coating, bicomponent, aliphatic, and satin finish

## Description:

Two-component, water-based, and aliphatic polyurethane with exceptional properties for a variety of applications. It is specially designed as a sealing layer to protect both epoxy and polyurethane self-leveling coatings. Exhibits excellent resistance to UV, chemicals, water, and abrasion. The product has high stain resistance and can be easily pigmented with water-based pigment, adding between 5-10% by weight depending on the design coverage. Apply with roller or airless in a minimum of 2 layers.

## Approved Uses

Waterproofing and protection of:

- As a finish for waterproofing and decoration in self-leveling systems (enhances resistance to abrasion and UV if pigmented), suitable for polyurethane and epoxy-based systems.
- Final protective layer for parking lots.
- Treatment, decoration, and protection of floors and industrial surfaces.
- Concrete sealer.

## Supported Substrates

Concrete, cement mortar, micro cement, epoxy self-leveling, and polyurethanes.

For other substrates, we recommend conducting tests to verify adhesion.

For specific details or conditions of special substrates, please contact the technical department.

## Limitations

- Make sure to have proper ventilation during indoor application and for the following 12-24 hours, depending on environmental factors.
- Do not exceed the maximum consumption as it may result in whitish discoloration.
- Avoid the formation of product puddles.
- For chemical applications, seek guidance from the technical department.
- Improper treatment of cracks and specific areas may diminish the longevity of the waterproofing.

## Advantages

- Water-based product, environmentally friendly.
- Fast and easy application.
- Rapid curing.
- Excellent UV resistance.
- Easy to pigment with water-based pigment paste concentrate.
- Ready to use. But it is dilutable in water.
- Excellent adhesion between layers.
- Good abrasion resistance
- Good mechanical resistance.
- Possibility of anti-slip finish.
- 0 VOC.



## Application

- Clean the substrate with pressurized water, if possible. The substrate should be free of grease and dust, leveled, and porous.
- Before applying, confirm that the temperature and humidity requirements are as needed:  
Substrate temperature:  $>46.4^{\circ}\text{F}$  to  $<86^{\circ}\text{F}$   
Relative humidity:  $<80\%$   
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 applications involving epoxy or polyurethane self-levelers, no primer is required. However, for the protection of micro cement, concrete, or mortar, it is recommended to apply a water-based, two-component, aliphatic, stain-resistant primer as a topcoat for concrete sealing. Additionally, it is recommended to use a primer coat to improve penetration into the substrate.
- Mix the B component in the container gently with a low-speed electric stirrer (300-400 rpm). Next, add the A component and continue mixing for a few minutes until a homogeneous product is achieved.
- If over-mixed, air bubbles may appear.
- Apply with a brush, roller, or spray.
- Pot life is approximately 30 minutes at  $+77^{\circ}\text{F}$ .

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PAINTS AND SEALANTS

- The repainting will take place once the previous layers are dry, approximately after 1-2 hours. The product dries relatively quickly. Therefore, any additional rolling after the first pass may lead to application defects if the layer intervals are not respected.  
Dry to touch: 1-2 hours  
Pedestrian traffic: 8 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.
- Adequate ventilation must be ensured to eliminate excess moisture during curing, at least in the first 12 hours after application.
- For abrasive anti-slip finishes, corundum should be added to the product at a ratio of 4 to 10%. For non-abrasive anti-slip, add anti-slip in the same proportion.
- To maintain the appearance of the material after its application, all spills must be promptly removed as soon as they occur. The surface should be regularly cleaned using rotary brushes, low-pressure cleaners, vacuum cleaners, and appropriate detergents and waxes.

## Cleaning

- The tools will be cleaned immediately after use with water.
- The fully cured material can only be removed by mechanical means.

## Presentation

Lots of 8.8 lbs. Transparent

A 1.473 lbs. Transparent color

B 7.336 lbs. Whitish color

Lots of 9.48 lbs. Pigmented

A 1.473 lbs. Transparent color

B 8.0 lbs (approx. Depending on covering power) Color according to RAL.

Lots of 2.12 lbs. Transparent

A 0.352 lbs. Whitish color

B 1.76 lbs. Whitish color.

Lots of 2.34 lbs. Pigmented

A 0.352 lbs. Transparent color

B 1.98 lbs (approx. Depending on covering power)

Color according to RAL.

## Colors

Transparent product, either unpigmented or pigmented according to the RAL color chart.

## 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	> 46.4 °F < 86 °F
Room temperature	> 46.4 °F < 86 °F
Relative humidity	<80 %
Substrate humidity	Accepts moisture
Taber abrasion resistance CS-17, 1000 cycles, 2.205 libras	0.0035 onzas
QUV Weathering Resistance Test (4hr UV exposure at 140°F with UVB lamp & 4hr COND at 122°F)	Passes 2000h

## Technical data of the liquid product

CONCEPTS	RESULTS
Viscosity	2000-4000 cSt
Density at 68 °F	62,43 lb/ft³
Repainting at 77 °F	2 Hours
Surface dry time at 77 °F and 55% RH	7 days
Dry to touch	1-2 hours
Required application temperature	> 41°F
Mixing ratio by weight	C.A. 83,3 % C.B. 16,7 %
VOC	0



\*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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