

# NEXA PU T

Transparent, aliphatic, liquid polyurethane membrane for waterproofing and protection

## Description:

A transparent polyurethane liquid membrane for waterproofing and protection. This single-component product cures with ambient humidity to form a continuous, elastic membrane with excellent mechanical properties and adhesion. Resistant to weather, extreme temperatures, and chemical agents. As a fully aliphatic product, it withstands UV rays without yellowing.

High elasticity (>350%).

Fully impermeable membrane, resistant to permanent water contact, hydrolysis, and microorganisms.

## Approved Uses

Waterproofing and protection of:

- Non-accessible roofs, limited to maintenance (terraces, balconies, metal, aluminum, or fiber-cement roofs).
- Walkable roofs (terraces, balconies, etc.).

## Approved Substrates

Tiles, natural stones, wood, concrete, galvanized iron.

For special substrate conditions or specific requirements, contact the technical department.

## Advantages

- Fully transparent and aliphatic membrane, resistant to yellowing.
- High durability, maintaining its transparency over time.
- Easy to apply: single-component.
- Excellent adhesion to almost all surface types.
- Liquid product adapts to any roof shape.
- Rehabilitation without the need for demolitions or added weight.
- Easy to locate and repair damages.
- High resistance to weather and UV exposure.
- Excellent chemical resistance.
- High resistance to extreme temperatures ( $-40^{\circ}\text{F}$  to  $+176^{\circ}\text{F}$  /  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ ).
- Shock temperature resistance up to  $392^{\circ}\text{F}$  ( $200^{\circ}\text{C}$ ).
- Excellent mechanical properties, with high abrasion, tension, and tear resistance.

## Limitations

- Not recommended for waterproofing chemically treated swimming pools.
- For non-porous substrates like ceramic tiles or marble, primer application is required.
- Do not clean the substrate with bleach or highly corrosive products.
- Do not apply to substrates with moisture, as this can cause whitening and adhesion loss due to efflorescence brought to the surface by water.

## Application

- Requires a smooth, clean, dry substrate free of residual moisture and as solid as possible.
- We recommend cleaning the substrate with the same primer, using a clean cloth, and allowing it to dry for 15-20 minutes.
- Ensure that all applied components and primers are aliphatic to prevent yellowing or tonal changes under UV exposure.
- For vitrified or non-porous substrates (e.g., glazed tiles), use a primer.
- Do not apply NEXA PU T to substrates with temperatures exceeding  $+95^{\circ}\text{F}$  ( $+35^{\circ}\text{C}$ ).
- Application methods: roller, brush, or airless spray.
- Apply in very thin coats and ensure not to exceed 48 hours between layers.
- As a highly liquid product, dilution is not recommended, but if necessary, use solvent for dilution.
- Mix the container contents using a low-speed electric mixer to avoid bubble formation.
- Recoat time: approximately 6-24 hours.
- To increase abrasion resistance and create a durable walkable system, apply NEXA UV PROTECTIVE varnish. For anti-slip applications, add white corundum in the final NEXA UV PROTECTIVE layer (granulometry varies based on the final use).
- Once opened, the container should be entirely used.

# NEXA PUT

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WATERPROOFING AND PROTECTION

## Consumption

- Waterproofing: 0.25-0.31 lb/ft<sup>2</sup> (1.2-1.5 kg/m<sup>2</sup>).
- Maintenance: 0.12-0.16 lb/ft<sup>2</sup> (0.6-0.8 kg/m<sup>2</sup>).

## Cleaning

- Use solvent for cleaning.

## Presentation and Colors

- Metallic containers of 44 lb (20 kg) and boxes with 4 units of 8.8 lb (4 kg).

## Container Stability

12 months in a dry place between (5°C and 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 Liquid Product

CONCEPTS	RESULTS
Viscosity	1000 cP
Specific Weight	62.43 lb/ft <sup>3</sup> (1 g/cm <sup>3</sup> )
Solids Content (%)	80-85%
Flash Point	>107.6 °F (>42 °C)
Recoat Time	6-24 hours
Touch Drying Time	6 hours

## Technical Data of the Membrane

CONCEPTS	RESULTS
Service Temperature	-40 °F to +176 °F (-40 °C to +80 °C)
Shock Temperature	392 °F (200 °C)
Shore Hardness (A)	40
Tensile Strength (73.4 °F)	4978.4 psi (350 kg/cm <sup>2</sup> )
Elasticity (%)	>350%
Water Absorption (%)	<1.4%

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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