



NEOPUR PU TRANS

Aliphatic Polyurethane Based, Single Component, Transparent, UV Resistant Waterproofing Material

DEFINITION:

It is a single component, transparent, polyurethane based liquid waterproofing material with high UV resistance. Cures with moisture in the air. It adheres perfectly to different surfaces, forming a highly elastic and durable film with UV resistance. It shows excellent mechanical and chemical properties, provides high tensile, tear and abrasion resistance. It is effective in water vapor transmission. The film breathes and prevents moisture from accumulating on the substrate.

AREAS OF APPLICATION:

- Tiles such as marble, ceramic, Natural stones,
- verandas and terraces,
- It can be used on wooden surfaces.

ADVANTAGES:

- Easy to apply (by roller or airless spray).
- It is resistant to UV.
- Does not yellowing.
- When applied, it creates a seamless cover that does not allow any joints or the possibility of leakage.
- It is resistant to water puddles.
- It maintains its mechanical properties at temperatures between -30°C and +90°C.
- It is frost resistant.
- It adheres perfectly to the surface.
- It is possible to walk on the surfaces on which the product is applied.
- Protects mineral surfaces against freezing, steam and acid rain.
- It gives a more transparent appearance to aging and oxidized plastic surfaces.
- By providing waterproofing of damaged glass surfaces, it prevents the glass from breaking into pieces in case of breakage.

TECHNICAL SPECIFICATIONS

Physical Properties:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Appearance	Transparent	-
Viscosity (Brookfield cP)	1500 ± 500	EN ISO 2555
Density (gr/cm ³)	1,00 ± 0,05	EN ISO 2811-1
Solid (% wt)	81 ± 1	EN ISO 3251



Note: This product is for professional users. The information in this publication is based on our professional knowledge and experience. This information does not eliminate the obligation of users of our products to test their suitability for their place of use. As the implementation and use of our products is beyond our control, none of the recommendations are within our warranty. Users should evaluate our products on their own terms and are solely responsible. The technical data sheets of all our products are updated at regular intervals. Users are responsible for obtaining the latest version.

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Mechanical Properties:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Elongation at Break (%)	>300	EN ISO 527 ASTM D 412
Tensile Strength (N/mm2)	>4	EN ISO 527 ASTM D 412
Tearing Resistance (N/mm2)	>25	EN ISO 527 ASTM D 412
Surface Hardness (Shore D)	>40	EN ISO 868 ASTM D 2240
Adhesion Strength (N/mm ²)	>1	EN 1542 ASTM D 4541

Technical Properties After Application And Curing:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Flash Point (°C)	50°C	ASTM D93, Closed Cup
Service Temp. (°C)	-40°C // +80°C	-
Short Term Maximum Temperature (°C)	200°C	-
Water Vapor Permeability (gr/m2.hour)	0,8	ASTM E96
Touch Dry (hour)	4 - 6	23°C'de - 50% RH
Recoating Time (hours)	8 - 24	
Full Cure (day)	7	
Application Surface Temp.	Min. 10°C Max. 40°C	-
Application Ambient Temp.	Min. 10°C Max. 40°C	-



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APPLICATION INFORMATION

Surface Information: Application surfaces must be dry and clean. Concrete and formwork residues mechanically; oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. Damaged coatings, unstable surfaces and cracks must be repaired with suitable products. Priming with a suitable primer based on epoxy or polyurethane after repair, depending on the surface condition. After the application, NEOPUR PU 350UV should be applied. Concrete surfaces to be applied must have at least the following standards:

- Hardness: R28 = 15 Mpa
- Temperature: 5-35°C
- Relative humidity: < 80

APPLICATION:

Before applying the product, mix it for 2-3 minutes with a suitable mixer at 300 rpm. NEOPUR PU TRANS is applied in 2 coats with a brush or roller. Do not wait more than 24 hours between coats. In case of exceeding 24 hours, the application surface must be treated with sandpaper.

Warning:

Before NEOPUR PU TRANS is applied, the damp surfaces in the system (Example: moisture remaining under the balcony tiles) must be left to dry completely or ventilation shafts must be used on the application surface. It should not be applied on surfaces previously treated with silane, siloxane, silicone or other water-repellent agents. Poor adhesion is expected if applied. If there is no clear information about the conditions and the history of the surface, an adhesion test is recommended.

STORAGE INFORMATION:

It can be stored for 9 months from the date of production if stored properly in its original, unopened and undamaged packaging in dry conditions at temperatures between +5°C and +30°C.

PACKING INFORMATION:

NEOPUR PU TRANS; in can bucket: 5 L and 20 L

CONSUMPTION:

The consumption of the application, which is applied in 1 - 3 layers, may vary depending on whether the application is for waterproofing or renewal and the absorbency of the surface. Surface coating against dust and dirt:

~ 0.2 L/m² (1 layer of thin application)

waterproofing membrane

(closed porous surface & light foot traffic):

~ 0.7 L/m²

(2 coat application, each coat 0.3 - 0.4 L/m²)

waterproofing membrane

(absorbent surface & heavy foot traffic):

~ 1.0 L/m²

(3 layers of application, each layer 0.3 - 0.4 L/m²)

HEALTH/SAFETY INFORMATION

NEOPUR PU TRANS contains isocyanate. Contains volatile and flammable solvents. During the application, smoking should not be allowed and should be worked in well-ventilated environments away from naked flames. It should be noted that solvents are heavier than air and therefore will circulate on the floor. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. Due to the irritating effects of the uncured product, the components should not come into contact with the skin and eyes. In case of contact, wash with plenty of water and soap. If swallowed, seek medical advice immediately. For detailed information, please refer to the Safety Data Sheet (MSDS) or contact our technical units. Keep out of reach of children.



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