



NEOPUR PU 350UV

POLYURETHANE BASED, SINGLE COMPONENT, LIQUID MEMBRANE WATERPROOFING MATERIAL

DEFINITION:

NEOPUR PU 350UV is a single component, polyurethane based liquid waterproofing material. Cures with moisture in the air. It forms a highly elastic and durable film by adhering perfectly to different surfaces. 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. It has the feature of bridging shrinkage cracks with its elastic structure. The product contains completely pure elastomeric hydrophobic polyurethane resin and special inorganic additives. The product content is to the material; It provides excellent resistance to UV, chemical, mechanical and thermal aspects. It is easy to apply.

AREAS OF APPLICATION:

- On concrete roofs,
- Verandas and balconies, Bathrooms,
- Light roofs made of metal and fibrous materials,
- Asphalt membranes,
- EPDM membranes, Bridge platforms,
- It is used in irrigation channels.

ADVANTAGES:

- It has high resistance to UV.
- Since its white color reflects most of the solar energy, it significantly reduces the temperature of the building.
- Although it does not require thinning, it can be thinned with xylene according to the conditions.
- Its thermal resistance is excellent.
- It is resistant to cold.
- The film maintains its elasticity down to -40°C.
- It has excellent mechanical properties.
- It exhibits effective resistance to chemicals.
- It does not contain toxic substances after curing.
- The film breathes; It is effective in water vapor permeability.

TECHNICAL SPECIFICATIONS

Physical Properties:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Appearance	White	-
Viscosity (Brookfield cP)	3500 ± 500	EN ISO 2555
Density (gr/cm ³)	1,40 ± 0,05	EN ISO 2811-1
Solid by Volume (% wt)	85 ± 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.

Sultan Orhan Mh. 1159/2 Sk.
No:2/A Gebze - Kocaeli
Telephone: +90 262 320 07 65
www.neopolkimya.com.tr
info@neopolkimya.com.tr

NEOPUR PU 350UV

POLYURETHANE BASED, SINGLE COMPONENT, LIQUID MEMBRANE WATERPROOFING MATERIAL

Mechanical Properties:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Elongation at Break (%)	>500	EN ISO 527 ASTM D 412
Tensile Strength (N/mm ²)	>6	EN ISO 527 ASTM D 412
Adhesion Strength (N/mm ²)	>3	EN 1542 ASTM D 4541
Surface Hardness (Shore A)	>70	EN ISO 868 ASTM D 2240

Technical Properties After Application And Curing:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Flash Point (°C)	42°C	ASTM D93
Service Temp. (°C)	-40°C // +80°C	-
Short Term Maximum Temperature (°C)	200°C	-
Water Vapor Permeability (gr/m ² .hour)	0,8	ASTM E96
Touch Dry (hour)	6-8	23°C'de - 50% RH
Recoating Time (hours)	12-24	
Full Cure (day)	7	
Application Surface Temp.	Min. 10°C Max. 40°C	-
Application Ambient Temp.	Min. 10°C Max. 40°C	-



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.

Sultan Orhan Mh. 1159/2 Sk.
No:2/A Gebze - Kocaeli
Telephone: +90 262 320 07 65
www.neopolkimya.com.tr
info@neopolkimya.com.tr

NEOPUR PU 350UV

POLYURETHANE BASED, SINGLE COMPONENT, LIQUID MEMBRANE WATERPROOFING MATERIAL

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%

Material Preparation: Before applying the product, mix it for 2-3 minutes with a suitable mixer at 300 rpm.

Application:

NEOPUR PU 350UV is applied in 2 coats by spraying method or by brush or roller. It is applied with a total consumption of 1.60 – 1.80 kg/m², 0.8-0.9 kg/m² in the first layer and 0.8-0.9 kg/m² in the second layer. Do not wait more than 24 hours between coats. In case of exceeding 24 hours, the application surface must be treated with sandpaper. If it is planned to apply by spraying method, the material should be max. After thinning by 4%, the application should be started.

Cleaning of Tools: Equipment used during the application should be cleaned with a suitable solvent immediately after the application.

Primer Choice: Highly absorbent surfaces such as concrete, cement screed or wood; After impregnation with NEOPRIMER PUR 50SC or NEOPRIMER EP 100WB as a pre-impregnation primer, general purpose primer application can be started.

WARNING

Before applying NEOPUR PU 350UV, the surfaces that remain damp in the system (Example: moisture under the balcony tiles) must be allowed to dry completely (max. 4% humidity). It should not be applied on ceramic surfaces containing nitric salts in their joints without proper pre-treatment. 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. If a surface with a permanent color is desired, NEOPUR PU 640TC should be applied as a top coat on NEOPUR PU 350UV with a consumption of 0,40-0,50 kg/m² as a single layer.

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 350UV; in can bucket: 25 kg

Consumption:

0.8-0.9 kg/m² on the first floor, 0.8-0.9 kg/m² on the second floor; It is applied with a total consumption of 1.6 – 1.8 kg/m².

HEALTH/SAFETY INFORMATION

NEOPUR PU 350UV 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.



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.

Sultan Orhan Mh. 1159/2 Sk.
No:2/A Gebze - Kocaeli
Telephone: +90 262 320 07 65
www.neopolkimya.com.tr
info@neopolkimya.com.tr