



NEOPUR PU 610BT

POLYURETHANE- BITUMEN MODIFIED BASED, SINGLE COMPONENT, LIQUID WATERPROOFING AND PROTECTION MATERIAL

DEFINITION:

NEOPUR PU 610BT is a single component, bitumen modified 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. The product completely contains bitumen, pure elastomeric hydrophobic polyurethane resin and special inorganic additives.

AREAS OF APPLICATION:

- In foundation concrete,
- On roofs, verandas and balconies (provided that they are covered),
- In wet volume areas,
- In building units where the waterproofing material must show high crack bridging properties horizontally and vertically,
- On cement-based surfaces,
- In very moisture indoor areas,
- Under tiles in bathrooms,
- Asphalt, bitumen felt etc. used in waterproofing.

ADVANTAGES:

- Since it is a liquid material, it is easily applied with a roller; It is not necessary to use an open flame (torch) during application.
- When applied, it creates a seamless waterproofing membrane with no joints.
- It is frost resistant.
- It cures fast.
- It adheres perfectly to almost any surface, with or without a primer.
- Its thermal resistance is excellent; The product never softens.
- It is resistant to cold; The film retains its elasticity down to -40 oC.
- It has superior mechanical properties; elongation ability, tensile, tear and abrasion resistance is high.
- Chemical resistance is excellent.

TECHNICAL SPECIFICATIONS

Physical Properties:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Appearance	Black	-
Viscosity (Brookfield cP)	2200 ± 500	EN ISO 2555
Density (gr/cm ³)	1,20 ± 0,05	EN ISO 2811-1
Solid by Volume (% wt)	82 ± 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	STANDART & YÖNTEM
Elongation at Break (%)	>700	EN ISO 527 ASTM D 412
Tensile Strength (N/mm2)	>4,5	EN ISO 527 ASTM D 412
Tear Resistance (N/mm2)	>14	EN ISO 527 ASTM D 412
Adhesion Strength (N/mm ²)	>1	EN 1542 ASTM D 4541
Surface Hardness (Shore A)	>35	EN ISO 868 ASTM D 2240

Technical Properties After Application And Curing:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Flash Point (°C)	50°C	ASTM D93
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)	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	-



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APPLICATION INFORMATION

Surface Preparation: 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. After the repair, liquid membrane application should be started after priming with an epoxy or polyurethane based primer, depending on the surface condition.

Concrete surfaces to be applied must have at least the following standards:

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

Environmental Conditions:

-The relative humidity of the air should be at most 80%, the application temperature (environment and surface) should be between +5°C and +35°C.

-There should be no rain in open areas during the application and/or 12 – 24 hours after the application.

-The ground temperature should be 3°C above the current dew drop temperature. (Ask for the Ambient temperature-Ambient Humidity-Dew Temperature table from our company.)

Material Preparation:

Before applying the product, mix it for 2-3 minutes with a suitable mixer at 300 rpm. NEOPUR PU 610BT is applied by spraying method or by brush or roller in 2 coats with a total consumption of 1.5 - 2 kg/m². It should not wait more than 24 hours between coats. If it is planned to apply by spraying method, the material should be max. After thinning with 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.

CONSUMPTION:

0,60 – 1,00 kg/m² on the first floor, 0,90 – 1,00 kg/m² on the second floor; It is applied with a total consumption of 1,50 – 2,00 kg/m².

PACKAGING INFORMATION:

NEOPUR PU 610BT; in can bucket: 25 kg

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.

HEALTH/SAFETY INFORMATION

NEOPUR PU 610BT 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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