



NEOPUR PU 602BT

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

DEFINITION:

NEOPUR PU 602BT is a two-component, polyurethane-bitumen modified, liquid waterproofing material. It cures quickly and adheres perfectly to all types of surfaces, forming a highly elastic film. It provides excellent mechanical properties, high tensile, stretch, tear and abrasion resistance. It shows good chemical resistance. It is effective in water vapor transmission. The film breathes and thus prevents moisture from accumulating under the floor. Allows thick coat application, does not bubble. It makes high crack bridging. It is an excellent covering and adheres to the surface very well. It is easy and fast to apply and offers easy solutions in detail insulation applications. It has high thermal resistance and maintains its mechanical properties at temperatures in the range of -40 to +80 °C.

AREAS OF APPLICATION:

- In roof terrace areas,
- In parking lots,
- In aircraft hangars, Tunnels,
- On asphalt and EPDM membranes, In plant beds and green roof systems,
- In the waterproofing of roofs made of metal or fiber cement,
- In potable water tanks,
- In the waterproofing of foundation and curtain concrete of constructions,
- It is used in irrigation channels.

ADVANTAGES:

- The 1/1 volume of the components facilitates the mixing process.
- It cures fast.
- Thick coat can be applied; does not form bubbles.
- Crack bridging property is excellent.
- It adheres perfectly to almost any surface, with or without a primer.
- Although it does not need to be diluted, solvent can be used depending on the conditions.
- Its thermal resistance is excellent; The product never softens. Maximum usage temperature is 80 oC, maximum shock temperature is 200 oC.
- It is resistant to cold. The film retains its elasticity down to -40°C.
- It has excellent mechanical properties; elongation ability, tensile, tear and abrasion resistance is high.
- It shows good resistance to chemicals.
- It functions effectively as a water vapor barrier.
- Since it is a liquid material, it is applied with a roller; It is not necessary to use an open flame (torch) during application.



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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TECHNICAL SPECIFICATIONS

Physical Properties;

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Viscosity (Brookfield cP)	A Com.: 1000 ± 50 B Com.: 2500 ± 50	EN ISO 2555
Density (gr/cm3)	A Com.: 1,00 ± 0,05 B Com.: 1,05 ± 0,05 A+B Mix.: 1,02 ± 0,05	EN ISO 2811-1
Solid by Volume (% wt)	A Com.: 80 ± 1 B Com.: 80 ± 1	EN ISO 3251

Mechanical Properties;

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Elongation at Break (%)	>1500	EN ISO 527 ASTM D 412
Tensile Strength (N/mm2)	>4	EN ISO 527 ASTM D 412
Tearing Resistance (N/mm2)	>20	EN ISO 527 ASTM D 412
Adhesion Strength (N/mm²)	>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
Mixing ratio	50:50	-
Pot Life (min)	30	100 gr as A+B mixture
FLASH POINT	>40	ASTM D93
Service Temp. (°C)	-40 // +80	-
Touch Dry (hour)	8-12	23°C'de - 50% RH
Full Cure (day)	7	
Waiting Time Between Floors (hour)	12-24	-



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APPLICATION INFORMATION:

Surface Information: The application surface must be solid. The surface must have a compressive strength of at least 25 N/mm² and a pull-off test result of at least 1.5 N/mm². All loose, volatile particles must be free from oil and paint residues, cement grout. Extensive fractures and faults should be repaired beforehand. Cement crust and glossy screed on the concrete surface should be cleaned with tools such as sandblasting, notching machine, diamond drum wiping machine, driven grinder, and the surface should be roughened and wiped. The entire surface should be cleaned of dust with an industrial vacuum cleaner. Concrete surfaces in contact with the soil to be coated must be insulated against water and water vapor barrier beforehand.

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

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.)

APPLICATION:

A and B components of the product are given in separate packages with predetermined mixing ratios. Component B is completely poured into component A and mixed with a hand mixer at 300 rpm. The material should be used immediately after mixing. Pot life of the product is 20 - 25 minutes at 20 °C. The prepared mixture is applied to the previously prepared surface with a roller, brush or floor squeegee. During the application, care should be taken to ensure that the floor temperature is above 10°C. Different primer should be used for shiny surface, metal and aluminum surfaces. Protection of applied surfaces (direct contact with water) 24 hour attention should be paid.

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

CONSUMPTION:

1,50 – 2,00 kg/m²

PACKAGING INFORMATION:

A bileşeni: 20 kg

B bileşeni: 20 kg

STORAGE AND SHELF LIFE:

The packaging of NEOPUR PU 602BT should be kept closed without opening. The products must be protected from direct sunlight and the risk of freezing. The products can be stored for 12 months in dry environments between 5 °C - 25 °C. Pallets should not be stacked on top of each other.

HEALTH/SAFETY INFORMATION

NEOPUR PU 602BT 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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