



NEOPRIMER PUR 50SC

SINGLE COMPONENT TRANSPARENT POLYURETHANE PRIMER MATERIAL

DEFINITION:

Polyurethane resin based, a single-component, low-viscosity, transparent, polyurethane undercoating materials. Excellent penetration to surfaces. Designed to increase adhesion on the lower layers of polyurethane coating.

AREAS OF APPLICATION:

- As a primer layer before applying polyurethane topcoats on concrete, cementitious or epoxy mortars,
- Metal surfaces,
- Plastered and gypsum surfaces,
- Wooden surfaces,
- General uses,
- It is used on bitumen based surfaces.

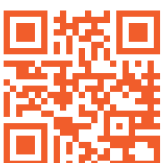
ADVANTAGES:

- Single component and low viscosity,
- High wetting ability,
- The series is cured.
- It offers a low-cost solution for concrete sealing and protection.

TECHNICAL SPECIFICATIONS

Physical Properties:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Appearance	Liquid, Amber	-
Viscosity	160 ± 50	EN ISO 2555
Density (gr/cm ³)	1,00 ± 0,05	EN ISO 2811-1
Solid by Volume (% wt)	51 ± 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
Flexural Strength (N/mm ²)	30	EN 196
Adhesion Strength (N/mm ²)	Concrete: >2	EN 1542 ASTM D 4541
Surface Hardness (Shore D)	50	EN ISO 868 ASTM D 2240

Technical Properties After Application And Curing:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Touch Dry (hour)	1 – 3	23°C'de - 50 % RH TS 4317
Waiting Time Between Floors (hour)	3 – 5	+30 °C TS 4317
	8 – 12	+20 °C TS 4317
	12 – 24	+10 °C TS 4317
Full Cure (day)	7	23°C, 50 % RH TS 4317



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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.

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 to the Surface:

The material is ready to use, not thinned. It is applied with a roller, brush or low-pressure airless spray so that the surface is saturated and the pores are closed. For wide application areas, application with airless spray is recommended. 2 - 3 hours after the application, polyurethane, polyurea-based coating materials or polyurethane joint filler are applied. Minimum 8 hours (20°C) and maximum 12 hours as new coat application time on top of coat. It is very important that the second coat is applied within the above-mentioned new coat application time. It reaches a full mechanical and chemical resistance in approximately 7 days (23 Co, 50% RH).

Cleaning of Tools: With water or cellulosic thinner.

Material Consumption:

Depending on the 0.10 – 0.20 kg/m² system solutions, the usage and consumption of the primer may vary.

PACKING INFORMATION

NEOPRIMER PUR 50SC; in can bucket: 20 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

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, ask your dealer for the Safety Data Sheet (MSDS). Keep out of reach of children. Comply with the Safety Data Sheet (SDS) prepared in accordance with the EU directives regarding the product.



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