



NEOPRIMER PUR 100SC

GENERAL PURPOSE SURFACE TOLERANCE TRANSPARENT POLYURETHANE PRIMER MATERIAL

DEFINITION:

Polyurethane resin based, two component, solvent free, low viscosity transparent primer material. It penetrates the surfaces perfectly. Since it does not contain solvent, odour - free and therefore can be used indoors. With its semi-hard feature, it becomes very resistant to abrasion and breakage after curing. Also, the polyurethane-based primer material developed to be used in the preparation of the surface to be waterproofed is specially designed for damp or wet concrete surfaces. It cures in a short time and does not contain toxic substances. Solvent Free (zero VOC/Volatile Organic Compounds).

AREAS OF APPLICATION:

- As a primer layer before applying polyurethane topcoats on concrete, cement or epoxy grout, on floors subject to medium and heavy loads,
- Metal surfaces, galvanized metal, aluminum, marble surfaces
- Plastered and gypsum surfaces,
- Wooden surfaces,
- General uses,
- Strengthening the adhesion between the layers in applications for other products,
- In application environments with insufficient ventilation conditions
- Bitumen and asphalt based membranes,
- Non-polyurethane based systems such as acrylic paints,
- As a binder in the preparation of level balancing, repair and correction mortar,
- It is used in repairing large cracks and chamfering by mixing with silica sand or different fillings.

ADVANTAGES:

- Low viscosity,
- High wetting ability,
- The series is cured.
- It has high hydrophobic property.
- When treated with mineral fillings, it functions effectively as a waterproofing material.



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
Appearance	A Com.: Liquid, Amber B Com.: Light brown	-
Viscosity	A Com.: 1200 ± 100 B Com.: 550 ± 100	EN ISO 2555
Density (gr/cm ³)	A+B Mix.: 1,07 ± 0,05	EN ISO 2811-1
Solid by Volume (% wt)	A + B Mix.: 100	EN ISO 3251

Mechanical Properties;

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Adhesion Strength (N/mm ²)	Galvanized steel: >10 Concrete: >2 Marble: >5	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
Mixing ratio	60:40	By weight
Pot Life (min)	15	+30 °C 100 g (A+B) DIN 16945
	30	+20 °C 100 g (A+B) DIN 16945
	50	+10 °C 100 g (A+B) DIN 16945
Touch Dry (hour)	3 - 5	23°C'de - 50 % RH TS 4317
Waiting Time Between Floors (hour)	4 – 8	+30 °C TS 4317
	12 – 24	+20 °C TS 4317
	36	+10 °C TS 4317
Full Cure (day)	7	+10 °C 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.)

Preparation of the Mixture:

It is a two-component product and should be prepared in the specified mixture ratio, considering the pot life, as much as the amount to be consumed. In order to obtain a homogeneous mixture, the product temperature should not be less than 15°C. Component A should be mixed quickly with a mechanical mixer, and the hardener (component B) should be added by paying attention to the mixing ratio. A and B components should be mixed with a mechanical mixer for at least 3 minutes until homogeneous.

Application to the Surface:

The mixture, which is made ready for application, is applied with a roller or squeegee (squeegee – glass wiper) in such a way that the surface is saturated and the pores are closed. Minimum 12 hours (20°C) and maximum 24 hours as new coat application time on top of the 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:

As a general purpose primer:

0,25 – 0,40 kg/m² depending on the system solutions, the usage and consumption of the primer may vary.

As a leveling mortar:

NEOPRIMER PUR 100SC : 0,50 kg/m²

0,1 - 0,3 mm quartz sand : 1,00 kg/m²

PACKING INFORMATION

A 10 kg set of NEOPRIMER PUR 100SC; It consists of a net of 6 kg of NEOPRIMER PUR 100SC component A in a bucket and a net of 4 kg of NEOPRIMER PUR 100SC component B in a gallon.

STORAGE INFORMATION:

Component A can be stored for 12 months and Component B 9 months from date of manufacture 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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