



NEOPRIMER EP 100WB

WATER BASED TRANSPARENT EPOXY PRIMER

DEFINITION:

It is an epoxy resin-based, two-component, water-based, high abrasion and chemical resistant primer that can also be applied on asphalt and damp concrete.

AREAS OF APPLICATION:

- As a primer layer before the application of epoxy, polyurethane or polyurea top coatings on asphalt, concrete, cementitious or epoxy mortars, on floors subject to medium and heavy loads,
- As a transparent epoxy protector on epoxy or polyurethane resin based mortars and self-leveling screeds,
- As a primer coat of concrete surfaces in food processing facilities and drinking water tanks,
- As a transition layer in order to ensure adhesion between the old floor coverings whose overcoat time has expired and the new coating to be applied,
- It is used in repairing large cracks and chamfering by mixing with silica sand or different fillings.

ADVANTAGES:

- Excellent penetration to concrete,
- Dries quickly and provides quick re-coating,
- Applicable at low temperature and in very humid environments,
- Odor-free as it is water-based,
- Excellent adhesion on all mineral coatings and old epoxy floor coatings,
- Applicable on humid concrete,

TECHNICAL SPECIFICATIONS

Physical Properties:

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Appearance	A Com.: Liquid, Milkywhite B Com.: Transparent, Liquid	-
Viscosity	A Com.: 250 ± 50 B Com.: 600 ± 50	EN ISO 2555
Density (gr/cm ³)	A+B Mix.: 1,02 ± 0,05	EN ISO 2811-1
Solid by Volume (% wt)	A+B Mix.: 61 ± 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
Adhesion Strength (N/mm ²)	Concrete: >2 New - Wet Concrete: >2	EN 1542 ASTM D 4541
Surface Hardness (Shore D)	50 – 60	EN ISO 868 ASTM D 2240

Technical Properties After Application And Curing;

QUALITY (23°C, 50% RH)	VALUE	STANDARD & METHOD
Mixing ratio	75:25	-
Pot Life (min)	120	100 g (A+B) 23°C'de - 50% RH
Touch Dry (hour)	4 – 6	23°C'de - 50 % RH
Waiting Time Between Floors (hour)	10 - 18	
Full Cure (day)	7	



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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: The mixture, which is prepared for application, is applied with a roller or airless spray in such a way that the surface is saturated and the pores are closed. 10 – 24 hours (20°C) as a 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.

Application to the Surface: The mixture, which is prepared for application, is applied with a roller or airless spray in such a way that the surface is saturated and the pores are closed. 10 – 24 hours (20°C) as a 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.

Cleaning of Tools: With water or cellulosic thinner.

Material Consumption:

As an impregnation primer:

0,10 – 0,20 kg/m²

As a general purpose primer:

0,30 – 0,50 kg/m² depending on the system solutions, the usage and consumption of the primer may vary.

As a leveling mortar:

NEOPRIMER EP 100WB.....0,50 kg/m²

0,1 - 0,3 mm quartz sand.....1,00 kg/m²

6,0-7,0 mm epoxy mortar:

NEOPRIMER EP 100WB.....1,50 kg/m²

0,1 - 0,6 mm quartz sand.....4,80 kg/m²

0,6 - 2,0 mm quartz sand.....7,20 kg /m²

PACKING INFORMATION

A 20 kg set of NEOPRIMER EP 100WB; It consists of a net 15 kg of NEOPRIMER EP 100WB component A in a bucket and a net of 5 kg of NEOPRIMER EP 100WB B component in a gallon.

STORAGE INFORMATION

The material should be stored in a cool and dry place. The life of the material is 1 year for components A and B when stored properly and in its unopened original packaging.

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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