Mintepox® Epoxy Primer 230 WB

Water Vapour Permeable Epoxy Concrete Primer

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

It is a two-component, water vapour permeable Epoxy-based, transparent, impregnated primer material developed for damp concrete surfaces.

USES

Especially in cases where it is necessary to apply on damp or freshly poured concrete, on concrete surfaces at low ground levels, on industrial floors with water and moisture problems in the past, food facilities, hospitals, electronic assembly industry, textile factories, aircraft and helicopter hangars, bottling and filling facilities, control rooms, laboratories, printing facilities, plastics industry.

ADVANTAGES

- It can be applied on damp surfaces or freshly poured concrete.
- It breathes. Due to its water vapor permeability, it is not affected by rising humidity.
- It can be cured at temperatures as low as 5°C.
- It dries quickly, opening the coating to pedestrian traffic is quick.
- Benzyl does not contain alcohol, it is used in food facilities.
- It is odorless, does not harm human health and the environment when cured.
- Excellent adhesion to wet surfaces.
- High mechanical strength.
- Chemical resistance
- It fills the capillary and capillary gaps on the surface very well.

Epozem Ltd Sti
Koşuyolu Mahallesi Asmadalı Sokak No 21 34718 Kadıköy Istanbul Turkey
Tel: +90.216.4710822 Fax: +90.216.471823 info@epozem.com www.epozem.com

EPOZEM

TECHNICAL SPECIFICATIONS

Composition	A+B (epoxy + hardener)
View	Liquid A – Liquid B
Colour	A Transparent – B (Yellowish transparent)
Viscosity	A 500 – B 700 (23°C) (MPa)
Density	1.05 gr/cm³ at 20 °C
Solids Ratio	%65

APPLICATION INFORMATION

Mixing Ratio	3:1 (A:B)
Mix Color	Transparent
Mixture Viscosity	500 (23°C) (MPa)
Mixture Density	1.05 g/cm³ at 20°C (±0.01)
Availability Time	30 minutes (at 20°C)
Dryness to the touch	6 Hours
Pedestrian Traffic	12 Hours
Final Curing	7 Days
Application Temperature	It should not be applied below 10°C. The relative humidity should be no more than 80% and the surface temperature should be at least 3°C above the dew point.

STRENGTHS

Adhesion Strength	3.48 (N/mm²)
Abrasion Resistance	<3000 (mg)
Compressive Resistance	60 N/mm² (EN 196-1)
Chemical Resistance	It is resistant to mineral oils, soda and salt solutions, and dilute acids. Consult for chemical resistance table.

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SURFACE PREPARATION

The compressive strength of the infrastructure should not be at least 25 N/mm² and the tensile strength of the surface should not be below 1.5 N/mm². After the low adherence cement grout, mortar residue, etc. on the cured surface are removed from the surface by vacu-blast (closed circuit sandblasting), or appropriate mechanical methods, the existing dust and loose particles should be cleaned with industrial vacuum devices. A large amount of oil contamination on the surface should be cleaned with special burners.
Regional and small amounts of superficial oils can be cleaned by chemical methods.

APPLICATION

The Main Ingredient (A) is thoroughly mixed. Then, the hardener (B) is added to the main material and mixed homogeneously with a low-speed mixer for 2 - 3 minutes. No more material should be prepared than can be applied during the life of the mixture.

Application Methods

Mintepox Epoxy Primer WB should be applied immediately when ready for the mixture.
Before coating, the concrete is saturated by wetting it with water to prevent the formation of air bubbles on the surface of the lining. It is applied with a roller or flat back steel trowel. It should be applied in one or two layers until a homogeneous, thin glossy film is formed. If it is estimated that the recommended maximum time between coats will be exceeded, it is necessary to sprinkle 0.1 - 0.3 mm of quartz sand on the material while it is still wet. The excess sand sprinkled and the sand that are released by non-adhesion should be completely removed by sweeping from the surface and with the help of an industrial broom after drying. Depending on the condition of the surface, it can be applied by adding an appropriate amount of 0.1 – 0.3 mm silica sand into the material and stripping it with a flat trowel.

CONSUMPTION:

Depending on the roughness and permeability of the surface, 3.5 - 4 m²/Kg in a single or several layers. Before the application, permeability tests should be carried out in pilot areas and suction amounts and consumption should be calculated.

PACKING

As a set of 18.75+6.25 kg.

TOOL CLEANING

It is made with industrial solvents immediately after use.

STORAGE-SHELF LIFE

About 1 year in moisture-free, closed volumes at a temperature of 10-35°C, in their original unopened packaging.

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ALERTS

Since it emits toxic gas until it dries, forced ventilation should be provided and health precautions should be taken when it should be used in closed places. (pp. 38–23)
Do not leave the tank lid open. (P 7)
Do not expose to direct sunlight and heat. (S 3/15)
Keep out of reach of children. (S 2)
Eyes and skin should be protected when working with all chemicals. (P 24/25)
Since this technical bulletin has been prepared taking into account the general conditions, please get written information for the details that are not sufficient above. Otherwise, errors caused by lack of information do not impose responsibility on our company. This technical bulletin supersedes any previous bulletins relating to this product.

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