

INNO-SEAL FOX PURMAX® WB 1K

Polyurethane Modified Acrylic Resin and Water Based, UV Resistant, Aliphatic, Elastic Waterproofing Material

Description

FOX PURMAX® WB 1K polyurethane modified acrylic resin and water based, UV resistant, aliphatic, one component, ready-to-use, applied on roof, terrace and prefabricate concrete gutters, elastic waterproofing material

Fields of Application

- On open terraces exposed to UV and sunlight,
- Outdoors, in vertical and horizontal applications,
- Terrace, balcony and all wet areas,
- On roof terraces,
- In prefabricated structures,
- Steel structures,
- On wide open terraces,
- Prefabricated roof gutters,
- Waterproofing of humid and water sensitive gypsum board, plywood, OSB and wooden building elements,
- Where fast water insulation and ceramic application is required,
- On curtains and retaining walls.

Advantages

- One component, ready-to-use,
- Easily applied with brush,
- Can be applied on humid surfaces,
- Does not effected from sunlight,
- Has aliphatic properties,
- Resistant to UV, yellowing and climate conditions,
- Highly elastic, maintains elasticity,
- Bridges cracks thanks to its elasticity,
- Balances material expansion, stress, temperature variations and vibrations,
- Cures fast,
- Provides good adherence,
- Creates broad waterproofing membrane,
- Solventless,
- Resistant to freeze and thaw effects,
- Can be coated with ceramics directly. (no need for sand coats)
- Maintains elasticity even in low temperatures.

Technical Features

Structure of the Material	Polyurethane modified acrylic resin
Density	1,20 kg/m ³
Color	White, Grey
Solid Material Ratio	% 65
Consistency	Brush Consistency
Application Surface Temperature	+5°C / +25°C
Service Temperature	-20°C / +60°C
Elongation at Break	% 500
Bonding Strength to Ceramic	1,5 N/mm ²
Fully cures in	7 days
Light Traffic after	5 hours
Can be coated with plaster, ceramic, etc.	2 hours
Period between layers	2 hours

The values above are given for +23°C and 50% relative humidity. While higher temperatures shorten the period, lower temperatures extend it.



Application Procedure

Preparation of the Substrate

The surface to be applied must be solid, cleaned of all kinds of oil, grease, rust, paraffin, paint, bitumen residues and all loose parts which will prevent sticking to the surface. Existing gaps, uneven surfaces should be filled with **FOX MORTAR T FC 188 T** repair mortar, corners should be chamfered at least 4 cm wide. Deep cracks should be filled with **PURSEAL PS 600** polyurethane mastic by opening as 'V' shape.

Mixing and Primer Preparation

FOX PURMAX® WB 1K is ready for use. Mix continuously with **FOX PURMAX® WB 1K** electric mixer and suitable mixer for 1 minute until a homogeneous mixture is obtained. Avoid over-mixing to minimize air entrainment.

Mixing tools: an electric mixer (300 rpm - 400 rpm) and an epoxy / polyurethane resin mixer head.

Application

Primer

MULTIPRIMER FL 888 primer should be applied to the surface with suitable rollers and brushes according to the surface condition between 120-180 gr / m². **FOX PURMAX WB 1K** application can be applied approximately 30-45 minutes after primer application.

Coating

After priming, **FOX PURMAX® WB 1K** is applied in 2 coats with the appropriate roller or brush. After applying the first coat **FOX PURMAX® WB 1K** product (when the product is wet), it is applied by attaching seams of alkali resistant material with a density of 60 gr / m² and 2x2 mm range. Second layer can be applied on the beams after 2 hours when the first application is open for light traffic. The application is made so that it will be perpendicular to the application direction of the first layer.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX PURMAX® WB 1K** can only be mechanically cleaned from the surface after hardening.

Consumption

1st layer: 1,00 kg/m²

2nd layer : 1,00 kg/m²

For wet film thickness of 1 mm: 1,20 kg/m²

For dry film thickness of 1 mm: 1,85 kg/m²

Watch Points

- The ambient and surface temperature to be applied should not be below + 5 ° C or above + 30 ° C.
- The applied material must be protected from rain and frost for the first 24 hours.
- In applications, each layer thickness should not exceed 1,5 kg / m². It should not be applied to wet grounds.
- Drying times between coats should be considered on the application side. The drying time between coats is approximately 2 hours; this time can vary according to ambient temperature, ground temperature, ground nematode, air humidity. Low temperatures and high humidity extend the drying time. High temperature and low humidity shorten drying time.

Package

5 kg plastic bucket

20 kg tin bucket

Shelf Life

Shelf life is 12 months from the date of production when stored properly at + 5 ° C to + 30 ° C, room temperature, away from direct sunlight. **FOX PURMAX® WB 1K** freezes at temperatures below 0°C. Opened packages should be kept tightly closed in suitable storage conditions and used within one week.

Storage

Store in cool and dry conditions protected from frost. In short-term storage, maximum 3 palettes can be stored on top of each other and delivery must be according to first in first out system. In long-term storage, do not store palettes on top of each other.

Health and Safety Precautions

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas.

Must be stored away from children.

Please look at the Material Safety Data Sheet for detailed information.

Disclaimer

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