

INNO-SEAL FOX PURMAX® WB 1K

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

Description

FOX PURMAX® WB 1K, Polyurethane modified acrylic resin-based, water-based, UV-resistant, aliphatic, one-component, ready-to-use, elastic waterproofing material applied on roof terraces and prefabricated reinforced concrete streams.

Fields of Application

- On terraces open to UV and sun rays,
- Outdoors, vertical and horizontal applications,
- In terraces, balconies and all wet areas,
- On roof terraces,
- In prefabricated buildings,
- In steel structures,
- On terraces with wide openings,
- In prefabricated roof streams,
- Waterproofing of gypsum board, plywood, OSB and wooden building elements sensitive to moisture and water,
- Where fast waterproofing and ceramic application is required,
- It is used in curtain and retaining walls.

Advantages

- One component, ready to use,
- Easily applied with a brush,
- Can be applied to damp surfaces,
- It is not affected by sun rays,
- It is aliphatic,
- Resistant to UV, yellowing and climatic conditions,
- It is very elastic, it maintains its elasticity continuously,
- Crack bridges thanks to its elastic structure,
- Balances material expansions, tension, temperature changes and vibrations,
- It cures fast,
- Provides high adherence,
- Creates a seamless waterproofing membrane,
- Solvent free,
- Resistant to freezing - thawing effect,
- It maintains its elasticity even at low temperatures.

Technical Properties

Structure of Material	Based on polyurethane modified acrylic resin
Density	1,36±0,02 kg/m ³
Color	White, Grey
Total Solid Material	%65
Consistency	Brush Consistency
Application Surface Temperature	+5°C /+30°C
Service Temperature	-20°C /+60°C
Elongation at Break	%500
Adhesion Strength to Ceramic	1,5 N/mm ²
Full Time Cure	7 days
Pedestrian Traffic	5 hours
Coating on Plaster, Ceramic etc.	2 hours
Waiting Time Between Layers	2 hours

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures increase the time



Application Procedure

Substrate Preparation

The surface to be applied must be sound, free of any oil, grease, rust, paraffin, paint, bitumen residues that will prevent adhesion to the surface, and all loose parts must be cleaned. Existing gaps and uneven surfaces should be filled with **FOX MORTAR FC188 T** repair mortar, corner edges should be chamfered at least 4 cm wide. Deep cracks should be opened in a "V" shape and filled with **FOX PURSEAL PS600** polyurethane mastic.

Mixing

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

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

Application Primer

FOX MULTIPRIMER FL888 primer should be applied between 120-180 gr/m² depending on the condition of the surface with a roller and brush suitable for the surface. Approximately 30-45 minutes after the primer application, **FOX PURMAX® WB 1K** can be applied.

Coating

After the primer dries, **FOX PURMAX® WB 1K** is applied in 2 coats with a suitable roller or brush. The brush application direction on each layer should be perpendicular to each other. Corner joints and cracks should be reinforced with insulation reinforcement mesh after the first coat application.

Cleaning of Tools

Tools and equipment used after the application should be cleaned with solvent or polyurethane thinner. After **FOX PURMAX® WB 1K** hardens, it can only be cleaned from the surface by mechanical methods.

Consumption

1st Layer: 1 kg/m²

2nd Layer: 1 kg/m²

1 mm for wet film thickness; 1,20 kg/m²

1 mm for dry film thickness; 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 should be protected from rain and frost for the first 24 hours.
- In applications, each layer thickness should not exceed 1.5 kg/m² consumption. It should not be applied on wet surfaces.
- During the application, attention should be paid to the drying times between the layers. Drying time between coats is approximately 4-5 hours; may vary according to ambient temperature, ground temperature, ground humidity, humidity in the air. Low temperatures and high humidity prolong the drying time. High temperature and low humidity shorten the drying time.

Package

5 kg plastic bucket

20 kg tin bucket

Shelf Life

Shelf life is 6 months from the date of production when properly stored at room temperature, away from direct sunlight between +5°C and +30°C. **FOX PURMAX® WB 1K** freezes at temperatures below 0°C. Opened packages should be kept tightly closed and stored under appropriate storage conditions and should be used within one week.

Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with a first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.



Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children.

For detailed information, the Material Safety Data Sheet should be consulted.

Disclaimer

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malz. San. ve Tic. Ltd. Şti. is only responsible for the quality of the product. Our company cannot be held responsible for the consequences that may occur due to misuse and/or other than the written suggestions about where and how the product will be used. For detailed information, the safety data sheet and technical data sheet should be consulted or our company officials should be contacted.



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Sartech Yapı Malzemeleri San. Tic. Ltd. Şti.

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principles 1.3, 2.2, 8.2

Determination of carbon dioxide permeability / $S_d > 50$ m

Determination of water vapor transmission properties / Class III $S_d \geq 50$ m

Determination of capillary water absorption and water permeability / $W < 0,1$ kg/(m²*h^{0,5})

Determination of adhesion strength by pull-off method / Flexible Systems, Without traffic load $\geq 0,8$ (0,5 min) N/mm²

Reaction to Fire / Class E

