INNO-SEAL
FOX PURMAX® TOPCOAT

Polyurethane Based, Two Component, Aliphatic, Colored Topcoat Coating

Definition

FOX PURMAX® TOPCOAT, Polyurethane-based, two-component, aliphatic, colored topcoat coating that protects **FOX PURMAX®** series waterproofing from UV and climate conditions.

Fields of Application

- As a topcoat in **FOX PURMAX®** series water isolation systems,
- On terraces open to UV and sun rays,
- On terraces, balconies and all wet areas,
- On roofs and garden terraces,
- Swimming pools, ornamental pools,
- In aircraft hangars,
- In water pipelines and flumes,
- In underground water tanks,
- In tunnels,
- In collection tanks,
- In prefabricated buildings,
- In steel structures,
- On wide open terraces,
- In roof streams,

Advantages

- Can be used indoors and outdoors,
- It is UV resistant,
- It has excellent chemical resistance,
- It has excellent wear resistance,
- It has good mechanical strength,
- It is flexible,
- It is economical,
- Easy to apply,
- It has high chemical resistance,
- It has high adhesion strength,
- Easy to maintain and clean,
- Provides hygienic environments,
- It is easy to sterilize,
- Colored topcoat coating is obtained

Technical specifications

density		1,33±0,05 gr/cm³
color		In Ral Colors
Adhesion Strength		≥1,7 N/mm²
Pendulum Hardness	DIN EN ISO 1522	30 day
Taber Abrasion Test	1 kg.CS 10,1000 d.	~42 mg
Viscosity	DIN 53211	250 mPas
Applicable Ground Temperature		+10°C /+30°C
dilution		Not diluted
Drying Time	70-80 µm	5 hour
Application time		45-60 minute

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

Application Procedure

Surface preparation

The coating surface on which **FOX PURMAX® TOPCOAT** will be applied must be free of dust, dirt, oil and other substances that may prevent adhesion. The application should be made within the re-coating period of the coating system. In case of application on old coatings, our Technical Service should be consulted for the application method.

Points to be taken into consideration in application:

Surface Temperature ; Minimum +10°C - Maximum +30°C
Ambient temperature ; Minimum +10°C - Maximum +30°C
Temperature of Material ; Minimum +10°C - Maximum +30°C

Mixing

Before you start mixing, make sure that the product temperatures are between +20°C and +25°C. A component **FOX PURMAX® TOPCOAT** contains pigment and filler. Mix the A component product thoroughly with the electric mixer and appropriate mixing tip until a homogeneous color is obtained and you make sure that there is no product left on the bottom or edges of the container. After completely adding the B component product into the A component product, mix continuously for 3-4 minutes until you obtain a homogeneous mixture. Avoid overmixing to minimize air entrainment.

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

Application

FOX PURMAX® TOPCOAT should be poured onto the surface in equal amounts and at equal intervals and applied by brush, roller or spraying. Application should be done in two layers.

Cleaning Application Tools

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

Consumption

150 - 250 gr/m^2

Matters to be taken into consideration

- Concrete surfaces to be coated with epoxy/polyurethane should be at least 3 weeks old before application, a vapor barrier layer should be created on floors sitting on soil ground, and the roof, walls, doors and windows of the building should be made, the ambient and surface temperature should be at least +10°C and at most +30°C.
- The materials to be used must be brought to the application site 1-2 days in advance and must adapt to the environmental conditions.
- In applications to be carried out in cold weather, the ambient and ground temperature should be increased, and the packages should be kept at +20°C - 25°C to make them ready for use in order to increase the processability of the products.
- Rain, dust, wind, animals and insects should be prevented from entering the building while the coating is fresh.
- In resin-based systems, pot life and curing times are affected by ambient temperature, ground temperature and humidity in the air. Curing slows down at low temperatures, which extends pot life, coating time and working time. Curing accelerates at high temperatures, which shortens pot life, coating time and working time. In order for the product to fully cure, the ambient and ground temperature must not be lowered below the given minimum temperature levels. After completion of the application, the coating should be protected from direct water contact for at least 24 hours. If there is water contact, the coating will soften and swell, which will cause the coating to lose its properties. Therefore, the coating must be completely removed and rebuilt.
- Consumptions are given for ideal conditions where the ambient and surface temperature is assumed to be 20°C. Actual consumptions may vary depending on surface structure and ambient temperature. It should not be forgotten that consumption will increase on damaged surfaces and cold weather conditions.
- Mixing must be done with a 300-400 rpm electric mixer and the specified epoxy/polyurethane resin mixing tip. If mixing is not done with the specified mixing tip, air will be dragged into the product, which will cause air bubbles to form on the coating after application.

Packaging

5 kg Set
Component A; 4 kg tin bucket
Component B; 1 kg tin bucket

25 kg Set
Component A; 20 kg tin bucket
Component B; 5 kg tin bucket

Shelf life

When stored correctly at room temperature, between +5°C and +30°C, away from direct sunlight, the shelf life is 6 months from the date of production.

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Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, a maximum of 2 pallets should be placed on top of each other and shipment should be made on a first-in, first-out system. For long-term storage, pallets should not be stacked on top of each other.

Security precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During application, work clothes, protective gloves, glasses and masks should be used in accordance with occupational and worker health rules. It should not be contacted with skin or eyes during storage and application. In case of contact, it should be washed immediately with plenty of water and soap. If swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into application areas. It should be stored in places inaccessible to children.For detailed information, please refer to the Material Safety Data Sheet.

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.