

## INNO-SEAL FOX PURMAX® TOPCOAT

### Polyurethane Based, Two Component, Aliphatic, Colored Topcoat

#### Description

**FOX PURMAX® TOPCOAT**, polyurethane based, two component, aliphatic, colored topcoat that protects **FOX PURMAX®** series waterproofing against U.V and climatic conditions.

#### Fields of Application

- As a topcoat for **FOX PURMAX®** series waterproofing,
- On terraces exposed to UV and sunlight,
- Terraces, balconies and all wet areas,
- Roof and garden terraces,
- Swimming and ornament pools,
- Aircraft hangars,
- Water distribution lines and canallettes,
- Underground water tanks,
- Tunnels,
- Gathering tanks,
- Prefabricated structures,
- Steel structures,
- Wide open terraces,
- Roof gutters,
- Flowerpot insulation,
- Insulation of foundation and curtain walls from positive direction.

#### Advantages

- Can be used in indoors and outdoors,
- UV resistant,
- Excellent chemical resistance,
- Excellent abrasion resistance,
- Good mechanic resistance,
- Elastic,
- Economic,
- Easy to apply,
- High adherence feature,
- Easy to maintain and clean,
- Creates hygienic environments,
- Easy to sterilize,
- Provides colored topcoat.

#### Technical Features

|  |          |                         |
|--|----------|-------------------------|
| Density                                |          | 1,31 gr/cm <sup>3</sup> |
| Color                                  |          | Ral colors              |
| Bonding strength                       |          | > 1,7 N/mm <sup>2</sup> |
| Pendulum hardness DIN EN ISO 1522      | 7 days   | 30                      |
| Taber Abrasion test 1 kg.CS 10,1000 d. |          | ~42 mg                  |
| Viscosity DIN 53019                    |          | 250 mPas                |
| Dilution                               |          | No dilution             |
| Working time                           |          | 90 minutes              |
| Fully cures in                         | 70-80 µm | 5 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 coating surface to which **FOX PURMAX® TOPCOAT** will be applied should be free of dust, dirt, oil and other substances that will prevent adhesion. The application should be done within the re-coatable period of the coating system. In case of application on old coatings, our Technical Service should be consulted for the application method.

### Mixing

Note that product temperatures are between +10°C and +30°C before mixing. A component **FOX PURMAX® TOPCOAT** contains pigment and filler. Once the homogenous color is achieved, thoroughly mix the A-component product with the electric mixer and the appropriate mixer until you are sure that there is no product on the sides and bottom of the container. After thoroughly mixing component B into the component product A, mix continuously for 3-4 minutes until a homogeneous mixture is obtained. Avoid excessive mixing to reduce air drag.

**Mixing tools:** (300 rpm to 400 rpm) using an electric mixer and an epoxy / polyurethane resin mixer.

### Application

**FOX PURMAX® TOPCOAT** should be applied by brush, roller or spray by pouring in equal amounts and evenly to the surface. Application should be made in two layers.

### Cleaning of the Tools

Tools and equipment used after application should be cleaned with solvent or polyurethane thinner. After **FOX PURMAX® TOPCOAT** is cured, it can only be removed from the surface mechanically.

### Consumption

150–250 gr/m<sup>2</sup>

### Watch Points

- It is recommended that the concrete surfaces to be coated with epoxy / polyurethane should be at least 3 weeks before application, the vapor barrier layer should be formed on the flooring which is sitting on the ground floor, and the building and walls, doors and windows should be made, and the temperatures should be around +10°C maximum +30°C.
- The materials to be used must be brought to the application area 1 - 2 days beforehand and it is necessary to comply with the ambient conditions.
- In applications to be carried out in cold weather, the ambient and floor temperature should be increased and the packaging should be ready to use at +20°C - 25°C in order to increase the workability of the products.
- When the coating is fresh, prevent entry of rain, dust, wind, animal and poultry into the building,
- Resin-based systems are affected by pot life and curing times, ambient temperature, ground temperature and air humidity. At lower temperatures, curing is slower, which extends the pot life, over coating time and working time. Curing at high temperatures accelerates, shortening the pot life, the coating time and the working time. Completion of the complete product should not be reduced below the minimum temperature levels given the ambient and floor temperature. After completion of the application, the coating should be protected from direct water contact for at least 24 hours. If there is water contact, there will be softening and swelling on the coating, which will cause the properties of the coating to be lost. If this occurs, the coating must be completely removed and rebuilt.
- Consumptions are given for ideal conditions in which the ambient and surface temperatures are assumed to be 20°C. Actual consumption may vary depending on surface structure and ambient temperature. It should not be forgotten that the consumption will increase in bad surfaces and cold weather conditions.
- Mixing must be done with an electric mixer of 300-400 rpm and the specified epoxy / polyurethane resin mixer and head. In case of no mixing with the specified mixing head, air will be dragged into the product, which will cause air bubbles to form on the coating after application.

### Package

5kg Set

A component; 4,00 kg tin bucket

B component; 1,00 kg tin bucket

### Shelf Life

Shelf life is 6 months from the date of production, when stored properly at room temperature, away from direct sunlight between +5°C to +30°C.



## 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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