

# INNO-FLOOR FOX EPOTHANE® TOPCOAT WB

## Epoxy Based, Two Component, Water Based, Topcoat

### Description

**FOX EPOTHANE® TOPCOAT WB** is epoxy based two components, water based, high mechanical abrasion resistance, and hygienic, solvent free, coloured topcoat material.

**In compliance with TS EN 1504-2 / Principle 1.3, 2.2, 8.2 conditions**

### Fields of Application

- On concrete and cement based mineral surfaces,
- On surfaces that can be subjected to light load such as factory, production area, loading area, warehouse,
- Car parks,
- Walkways,
- Hotels,
- It is a paint and coating material that can be used on the floors and walls of hygienic areas such as hospitals, operating rooms, laboratories, food production facilities.

### Advantages

- Easy to apply.
- High mechanical and chemical resistance.
- There is no fire hazard due to being solvent free.
- Film surface is matte.
- Can be diluted with water.
- Odourless.
- Water vapour permeable.
- Easy to clean.
- It does not allow bacteria to form.
- Dust proof.
- Poses no harm to health.
- Hygienic.

### Technical Features

Density		1,30 Gr/Cm <sup>3</sup>
Viscosity		1000-1500 Cps
Splice Strength		>1,5 N/Mm <sup>2</sup>
Solids By %	(By Mass)	60-65%
Colour		Ral Colours Matte
Working Time		60 minutes
Open for Traffic after		Min.8 Saat-Maks.24 hours
Taber Abrasion Test	1 kg.CS 10,1000 d.	~55 mg



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

### Physical Features

Temperature	+10°C	+20°C	+30°C
Working Time	80 minutes	60 minutes	40 minutes
Pedestrian Traffic	48 hours	20 hours	10 hours
Light Traffic	5 days	3 days	2 days
Fully Cures	10 days	7 days	5 days

The above values are theoretical. May vary depending on temperature differences and humidity.



## Primer Selection Chart

SURFACE CONDITION	RECOMMENDED PRIMER
Concrete in Accordance with The Standard	FOX EPOTHANE® PRIMER, FOX EPOTHANE® PRIMER HB, FOX PURMAX® PRIMER 1K RAPID
Moist Substrate	FOX EPOTHANE® PRIMER WB
Moist Substrate (With Moisture Barrier)	FOX EPOTHANE® PRIMER HB, FOX EPOTHANE® PRIMER HBF
High Porous Substrates	FOX EPOTHANE® PRIMER, FOX EPOTHANE® PRIMER SL
High Porous Moist Substrates	FOX EPOTHANE® PRIMER HB, FOX EPOTHANE® PRIMER HBF
Steel, Galvanized Steel and Aluminium Surfaces	FOX EPOTHANE® PRIMER HB, FOX EPOTHANE® PRIMER WA, FOX PURMAX® PRIMER 1K RAPID
Wooden Boards and Some Special Surfaces	FOX EPOTHANE® PRIMER, FOX PURMAX® PRIMER 1K RAPID
Asphalt and Bitumen Membrane Surfaces	FOX EPOTHANE® PRIMER SL, FOX EPOTHANE® PRIMER HBF, FOX PURMAX® PRIMER 1K RAPID, FOX PURMAX® PRIMER 1K
Re-Application on Application (Old-New)	FOX EPOTHANE® PRIMER, FOX EPOTHANE® PRIMER WA, FOX PURMAX® PRIMER 1K RAPID
Non-Porous Concrete and Non-Absorbent Surfaces	FOX EPOTHANE® PRIMER SL, FOX EPOTHANE® PRIMER HBF, FOX PURMAX® PRIMER 1K RAPID, FOX PURMAX® PRIMER 1K
Ceramic, Marble, Granite and Gloss Surfaces	FOX EPOTHANE® PRIMER WA

## Chemical Resistance

Super Benzene (7 days)	+	Olive Oil	+	Ethanol	+
Beer	+	Paraffin	+	Ammoniac	+
Milk	+	Castor Oil	+	Acetic Acid	+
Sodium Chloride %10	+	Distilled Water	+	Mineral Oil	+
Red Wine	+	Vinegar	+	Sulphuric Acid %10	+
Xylene	+	Soap	+	Isopropanol	+

Colour change may occur due to the effects of chemicals. This research was done at room temperature. High temperature values and / or mixtures of chemicals can affect chemical resistance.

## Application Procedure

### Substrate Preparation

The surface should be cleaned using pressurized water if possible, oil, grease, fuel and paraffin waste should be removed, and it should be completely free of mould release agents, cement residues, chips, loose particles and contaminated membranes. For the substrate repairs, filling the voids and smoothing the surface, the ground should be prepared by mixing the 60-70 AFS (0,1-0,3 mm) quartz sand with the **EPOTHANE® PRIMER** series primer.

### Application Conditions

- Relative air humidity should be 80% maximum.
- Pay attention to dew and condensation!
- Dew and water vapour condensation on the floor that has not been applied or newly coated will damage the coating. To prevent this, the floor temperature must be above +8°C.

### Watch Points in Application

Surface Temperature ; Minimum +8°C - Maximum +30°C  
Ambient Temperature ; Minimum +8°C - Maximum +30°C  
Material Temperature ; Minimum +15°C - Maximum +25°C

### Mixing

Before starting the mixture, make sure that the product temperatures are between +15°C and +25°C. A component **FOX EPOTHANE® TOPCOAT WB** contains colour, pigment and filler. Mix the A component product thoroughly with an electric mixer and a suitable mixing tip until you get a homogeneous colour and make sure that there is no product on the bottom and sides of the container. After adding the B component product to the A component product, mix continuously for 3-4 minutes until you get a homogeneous mixture. Avoid over mixing to minimize air entrainment.

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



## Application

### Primer

Surfaces to be made with **FOX EPOTHANE® TOPCOAT WB** must be previously primed with **EPOTHANE®** series primer. Attention should be paid to the floor temperature (min +8°C). **FOX EPOTHANE® TOPCOAT WB** should be applied on the primer within the application period.

### Topcoat Application

**FOX EPOTHANE® TOPCOAT WB** should be applied to the surface with a roller. In order to minimize roll marks, it is essential to make sure that the layers that follow each other are wet. The application should be made along the short edge, and each new application should be made right next to the previous one. By passing over the material with a second roller, it should be ensured that the material is distributed homogeneously and there are no traces of rolls.

### Cleaning of the Tools

After the application, the tools and equipment used can be cleaned with water. **FOX EPOTHANE® TOPCOAT WB** can only be removed from the surface by mechanical methods after hardening.

### Coverage

For each layer ~100-250 gr/m<sup>2</sup>.

### Watch Points

- Concrete surfaces to be coated with epoxy / polyurethane must be at least 3 weeks old before application, forming a vapour barrier layer on the floors that sit on the ground, and the roof, walls, doors and windows of the building have been made, the ambient and surface temperature must be between +10°C and +30°C.
- The materials to be used must be brought to the application site 1-2 days prior and must adapt to the ambient conditions.
- In applications to be carried out in cold weather, the ambient and ground temperature should be increased, and the packaging should be waited at +20°C - 25°C and ready for use in order to increase the processability of the products.
- Rain, dust, wind, animals and pests 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 at low temperatures, which increases pot life, over coating time and working time. Curing accelerates at high temperatures, which shortens pot life, over coating time and working time. In order for the entire product to complete its curing, the ambient and ground temperatures should not be lowered below the minimum temperature levels given. After the application is completed, the coating should be protected from direct water contact for at least 24 hours. If water contact occurs, there will be softening and blistering on the coating, which will cause the coating to lose its properties. Therefore, the coating should be completely removed and rebuilt.
- Consumptions are given for ideal conditions where ambient and surface temperatures are considered as 20°C. Actual consumption may vary depending on the surface structure and ambient temperature. It should be remembered that 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 mixing tip. In case of not mixing with the specified mixing tip, air will be dragged into the product, which will cause air bubbles to form on the coating after application.

### Package

25 kg Set

Coloured Matte A Component; 21,60 kg Tin  
B Component; 3,40 kg Tin

5 kg Set

Coloured Matte A Component; 4,32 kg Tin  
B Component; 0,68 kg Tin

### Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, its shelf life is 12 months from the date of manufacture.

### Storage

It should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with the 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 the storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, goggles, masks in accordance with the occupational health and safety rules should be used. During storage and application, it should not be contacted with the skin and eyes, should be washed immediately with plenty of water and soap, and if swallowed, seek medical attention immediately. Food and drink materials should not be brought to the application areas. It should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.

### Disclaimer

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