

# INNO-FLOOR FOX EPOTHANE® TOPCOAT WB

## Epoxy Based, Two Component, Water Based, Top Coat Coating

### Definition

**FOX EPOTHANE® TOPCOAT WB** is an epoxy-based, two-component, water-based, high mechanical abrasion resistance, hygienic, solvent-free, colored topcoat coating material.

**It meets the requirements of TS EN 1504-2 / Principle 1.3, 2.2, 8.2.**

### Fields of Application

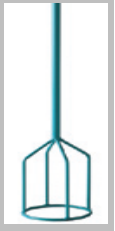
- On concrete and cement based mineral surfaces,
- On surfaces that may be exposed to light loads such as factories, production areas, loading areas, warehouses,
- Car park,
- Walking paths,
- In hotels,
- It is a paint and coating material that can be used on the floors and walls of hygienic areas such as hospitals, operating rooms, laboratories and food production facilities.

### Advantages

- Easy to apply.
- They have high mechanical and chemical resistance.
- There is no fire hazard because it is solvent-free.
- The film surface is shiny.
- Can be diluted with water.
- It is odorless.
- Permeable to water vapor.
- Easy to clean.
- It does not contain bacteria.
- Does not dust.
- It does not harm health.
- It is hygienic.
- Application can be made with an airless machine.

### Technical Specifications

Density	1,30±0,05 gr/cm <sup>3</sup>
Viscosity	1000-1500 cPs
Adhesion Strength	≥1,5 N/mm <sup>2</sup>
Percentage of Total Solids (By Mass)	%60-65
Color	Matte in Ral Colors
Application time	45-60 min
Traffic Readiness Time	Min.8 hours-max.24 hours
Taber Abrasion Test	1 kg.CS 10,1000 d. ~55 mg



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

### Physical Properties

Temperature	+10°C	+20°C	+30°C
Application time	80 min	60 min	40 min.
Pedestrian Traffic	48 hour	20 hour	10 hour
Light Traffic	5 day	3 day	2 day
Complete Curing	10 day	7 day	5 day

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



## Primer Selection Chart

SURFACE CONDITION	RECOMMENDED PRIMER
Concrete conforming to standard	FOX EPOTHANE® PRIMER, FOX EPOTHANE® PRIMER HB, FOX EPOTHANE® PRIMER FL
Moist substrates	FOX EPOTHANE® PRIMER WB
Moist substrates (With Moisture Barrier)	FOX EPOTHANE® PRIMER HB, FOX EPOTHANE® PRIMER HBF
Highly porous substrates	FOX EPOTHANE® PRIMER, FOX EPOTHANE® PRIMER SL
Highly porous moist substrates	FOX EPOTHANE® PRIMER HB, FOX EPOTHANE® PRIMER HBF
Steel, galvanized steel and aluminum surfaces	FOX EPOTHANE® PRIMER HB, FOX EPOTHANE® PRIMER WA,
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 WA, FOX PURMAX® PRIMER 1K RAPID
On non-porous concrete and non-absorbent surfaces	FOX EPOTHANE® PRIMER SL, FOX EPOTHANE® PRIMER HBF, FOX PURMAX® PRIMER 1K RAPID, FOX PURMAX® PRIMER 1K
For ceramic, marble, granite and shiny surfaces	FOX EPOTHANE® PRIMER WA

## Chemical Resistance

Super Gasoline (7 days)	+	Olive Oil	+	Ethanol	+
Beer	+	Paraffin	+	Ammonia	+
milk	+	Castor Oil	+	Acetic acid	+
Sodium Chloride 10%	+	Distilled Water	+	Mineral Oil	+
Red wine	+	vinegar	+	Sulfuric Acid 10%	+
Xylene	+	soap	+	isopropanol	+

Color change may occur due to the effects of chemicals. This research was conducted at room temperature. High temperatures and/or mixtures of chemicals can affect chemical durability.

## Application Procedure

### Surface preparation

The surface should be cleaned using pressurized water, if possible, and oil, grease, fuel and paraffin waste should be removed, and it should also be completely free of mold release agents, cement residues, shavings, loose particles and contaminated membranes. For sub-surface repairs, filling the gaps and smoothing the surface, the ground should be prepared with the mortar obtained by mixing 60-70 AFS (0.1-0.3 mm) quartz sand with **FOX EPOTHANE® PRIMER** series primer.

### Application Conditions

- Relative air humidity should be 80% maximum.
- Be careful of dew and condensation!
- Condensation and condensation of water vapor on an unapplied or newly coated surface will damage the coating. To prevent this, the ground temperature must be above +10°C.

### 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 starting the mixing, make sure that the product temperatures are between +20°C and +25°C. A component **FOX EPOTHANE® TOPCOAT WB** contains colour, 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:** (300rpm-400rpm) an electric stirrer and epoxy/polyurethane resin mixing tip.



## Application

### Priming

The surfaces on which **FOX EPOTHANE® TOPCOAT WB** will be applied must be previously primed with **FOX EPOTHANE®** series primer or by adding 5-10% water into **FOX EPOTHANE® TOPCOAT WB**, depending on the porosity of the surface. Attention must be paid to the ground temperature (min +10°C). **FOX EPOTHANE® TOPCOAT WB** should be applied on the primer within the application period.

### Topcoat Coating

**FOX EPOTHANE® TOPCOAT WB** should be applied to the surface using a roller. In order to minimize roll marks, care must be taken to ensure that successive layers are wet. Application should be made along the short edge and each new application should be made right next to the previous one. The material should be passed over again with a second roller to ensure that the material is distributed homogeneously and that no roller marks remain.

### Cleaning Application Tools

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

### Consumption

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

### 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. It should be around.
- 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

25 kg Set

Colored Matte A Component; 20,80 kg Tin  
B Component; 4,20 kg Tin

5 kg Set

Colored Matte A Component; 4,16 kg Tin  
B Component; 0,84 kg Tin

### Shelf life

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

### 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 3 pallets should be stacked 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 in accordance with occupational and worker health rules should be used. 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.



www.foxbau.com

### SARTECH YAPI MALZEMELERİ SANAYİ VE TİCARET LTD. ŞTİ.

Merkez : Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı/ANTALYA-TÜRKİYE

Telefon : 0(242) 221 42 50 Fax: 0(242) 221 42 55

Şube 1 : Kargalıhanbaba OSB. Mah. Organize Sanayi 10. Sk. No:6 Hendek/Sakarya-TÜRKİYE

Şube 2 : Oyalı OSB Mah. 3. Cad No:21 Eğil/Diyarbakır-TÜRKİYE

Web : www.foxbau.com

E-mail : info@foxbau.com