

INNO-FLOOR FOX EPOTHANE® TOPCOAT CLEAR

Epoxy Based, Roller Grade Transparent Topcoat

Description

FOX EPOTHANE® TOPCOAT CLEAR, is an epoxy resin-based, two-component, high chemical resistance, solvent-free, self-leveling, transparent, topcoat floor coating material.

Fields of Application

- In areas where decorative floor is desired,
- In areas requiring chemical and mechanical resistance,
- At airports,
- In galleries, shopping malls,
- In supermarkets,
- In stores and showrooms,
- In hotels,
- In hospitals and nursing homes,
- In the doctor's offices,
- In schools, in kindergartens,
- Used in areas where hygiene is required.

Advantages

- High chemical and mechanical resistance.
- Easy maintenance and cleaning.
- It is fluid.
- Provides hygienic environments.
- Liquid impermeable.
- Glossy topcoat coating is obtained.
- High adhesion strength.

Technical Properties

Density		1,02±0,05 gr/cm ³
Color		Transparent
Adhesion Strength	Concrete	≥1,5 N/mm ²
Total Solids Percentage		%100
Viscosity		~1200 mPa.s
Thinning		No Thinning
Floor Temperature		+10°C/+30°C
Shore D Hardness	7 days	85
Working Time	7 days	~45 min

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

Physical Properties

Temperature	+10°C	+20°C	+30°C
Relative Humidity	%60	%60	%60
New Coat Application Time	Min. 26-Max. 32 hours	Min. 18 - Max. 24 hours	Min. 12-Max. 16 hours
Pedestrian Traffic	30 hours	26 hours	18 hours
Light Traffic	4 days	3 days	2 days
Full Cure	10 days	7 days	7 days

The above values are theoretical. They may vary according to temperature differences and humidity.



Application Procedure

Substrate Preparation

The application surface must be clean, dry and free from all kinds of dust, dirt, etc.

Application Conditions

- Surface moisture content should be below 4%.
- Test method: CM - measurement or drying in an oven.
- There should be no rising humidity according to ASTM (Polyethylene cover test).
- Relative air humidity should be maximum 80%.
- Beware of dew and condensation!
- Dew and water vapor condensation on untreated or newly coated floors will damage the coating. To prevent this, the floor temperature must be above +3°C.
- After application, the coating should be protected from water and physical contact for at least 24 hours.

Watch Points

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

Mixing

After adding **FOX EPOTHANE® TOPCOAT CLEAR** Component B completely into Component A, mix for at least 3 minutes until a homogeneous mixture is obtained. Avoid over mixing to minimize air entrainment.

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

Application

Coating

FOX EPOTHANE® TOPCOAT CLEAR is poured onto the surface and spread with a trowel and then neatly combed with a roller. 2nd coat application can be made according to the desired surface.

Consumption

~0,25 kg/m² by roll

Cleaning of Tools

Tools and equipment used after application should be cleaned with solvents such as **FOX CS810, FOX C380**. **FOX EPOTHANE® TOPCOAT CLEAR** can only be cleaned from the surface by mechanical methods after hardening.

Watch Points

- The concrete surfaces to be coated with epoxy/polyurethane must be at least 3 weeks old before application, a vapor barrier layer must be formed on the slabs sitting on the ground, the roof, walls, doors and windows of the building must be made, and the ambient and surface temperature must be at least +10°C and maximum +30°C.
- The materials to be used must be brought to the application site 1-2 days in advance and must adapt to the ambient conditions.
- In applications to be made in cold weather, the ambient and ground temperature should be increased, and the packages should be kept at +20°C-25°C to increase the workability of the products and made ready for use.
- 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, floor temperature and humidity in the air. At low temperatures, curing slows down, which extends the pot life, the time it can be covered and the working time. At high temperatures, curing accelerates, which shortens container life, coating time and working time. In order for the product to cure completely, the ambient and floor temperature should not be lowered below the minimum temperature levels given. After completion of the application, the coating should be protected from direct water contact for at least 24 hours. If water contact occurs, softening and blistering will occur on the coating, which will cause the coating to lose its properties. For this reason, the coating must be completely removed and redone.
- Consumptions are given for ideal conditions where ambient and surface temperature is 20°C. Actual consumption may vary depending on surface structure and ambient temperature. It should be kept in mind that consumption will increase in case of defective 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 entrained into the product, which will cause the formation of air bubbles on the coating after application.



Package

5 kg set
Component A; 3.15 kg/Tin
Component B; 1.85 kg/Tin

Shelf Life

When stored correctly at room temperature, away from direct sunlight, between +5°C and +30°C, 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, maximum 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.

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

The data contained in this technical document is based on our scientific and practical knowledge. Fox Bau Yapı Kimyasalları A.Ş. 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.



FOX BAU YAPI KİMYASALLARI ANONİM ŞİRKETİ