

INNO-FLOOR

FOX EPOTHANE® BASECOAT CRYSTAL

Epoxy Based, Two Component, Solvent Free, Transparent, High Glossy and Multipurpose Coating

Description

FOX EPOTHANE® BASECOAT CRYSTAL is an epoxy resin based, two-component, high chemical resistance, solvent free, self-leveling, transparent, high glossy and multipurpose decorative coating material.

Fields of Usage

- In areas where decorative floors are required,
- Table,
- Game Boards,
- Furniture,
- To protect stones, seashells, ceramics,
- Pictures and photographs (as protective),
- It is used to fill cavities in wooden logs.

Advantages

- It has high chemical and mechanical resistance.
- Maintenance and cleaning is easy.
- It is fluid.
- Provides hygienic environments.
- It is liquid impermeable.
- Glossy final layer coating is obtained.
- High adhesion strength.
- Does not contain volatile organic matter (VOC-solvent).

Technical Data

Density		1,04 gr/cm ³
Color		Transparent
Compressive Strength	7 days	60 N/mm ²
Flexural Tensile Strength	7 days	30 N/mm ²
Adhesion Strength	to concrete	>1,5 N/mm ²
Total Solid Matter Percentage		%100
Dilution		not dilution
Application Surface Temperature		+10°C / +30°C
Shore D Hardness	7 days	84
Working Time		25-30 minutes
Recommended Thickness		1,0 mm - 15,0 mm



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

Application Procedure

Mixing

After adding **FOX EPOTHANE® BASECOAT CRYSTAL** component B into component A, mix it for at least 3 minutes until a homogeneous mixture is obtained. Avoid over mixing to minimize air entrainment.

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



Coating

FOX EPOTHANE® BASECOAT CRYSTAL is poured on the surface and applied smoothly with a notched trowel. When the coating reaches the appropriate consistency, a spiked roller should be applied and the air should be removed. If the hedgehog roller application is delayed, there may be traces of hedgehog roller on the surface.

The application surface must be completely cured, dry, clean and free from all kinds of contaminants such as rust, oil and dust. The surrounding areas to be applied should be taken into mold of sheet or plexi. After **FOX EPOTHANE® BASECOAT CRYSTAL** is poured, it should be ensured that no dust is collected from the top.

The mixed product is poured in the middle of the application area. In the meantime, the product will have a working time of 25-30 minutes for use. After the product is poured, it should be combed across the entire surface in one direction to spread it evenly. Do not spread the product after it starts to dry. During the application, no application thicker than 1.5 cm should be applied in a single coat. Most of the foams formed in the first pouring process rise to the surface and disappear. However, since **FOX EPOTHANE® BASECOAT CRYSTAL** application is thick, all foams do not disappear. For this reason, a hand-held flame gun is used in the casting process to help remove the foam before it has started to dry. The blower is kept at a distance of 15-20 cm from the surface and moved over the entire surface. The surface warms slightly, making it easier to remove the foams. The flame gun should not be kept in the same area for a long time. The filling and pouring process is repeated in the same way with a minimum of 8 hours intervals until the desired and sufficient thickness is achieved.

Cleaning of Tools

After the application, tools and equipment used should be cleaned with solvent or epoxy thinner. **FOX EPOTHANE® BASECOAT CRYSTAL** can only be mechanically cleaned from the surface after hardening.

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 at least +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 prepared at +20°C - 25°C and ready for use in order to increase the process ability 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

19, 5 kg set

A Component; 15 kg tin bucket

B Component; 4,5 kg tin bucket



Shelf Life

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

Storage

Should be stored in its original package, in a cool and dry place protected from frost. In 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, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material 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. SARTECH Yapı Malzemeleri San. & Tic. Ltd Şti. is only responsible for the quality of the product. From the results that may occur due to misuse and other than written suggestions about where and how to use the product, SARTECH Yapı Malzemeleri San. & Tic. Ltd Şti. cannot be held responsible. The responsibility of the correct application of our product belongs to the user. Our company is only responsible for the quality of the product. This technical form is valid only till a new version is implemented and nullifies the old ones. Our company has the right to make changes in all kinds of information and content details in this catalog. It is imperative to check that the information in the catalog is current and valid. All rights reserved.

