

INNO-FLOOR FOX AC TOPCOAT FF920

Protective and Reinforcing Special Coating Material for Concrete and Natural Stone Surfaces

Description

FOX AC TOPCOAT FF920, is an acrylic based, one component, high abrasion and scratch resistant, resistant to tire tracks, water based, UV resistant, aliphatic topcoat material.

Fields of Application

- Car parks,
- Playgrounds,
- Bicycle and pedestrian paths,
- Tennis, volleyball, basketball etc. grounds,
- Concrete and asphalt floors,
- Factories,
- Storage areas,

Advantages

- UV resistant.
- Excellent adherence.
- High abrasion resistance.
- Resistant to chemicals and chemical solvents.
- High resistance to hot tire tracks.
- Fast Drying.
- Can be applied on asphalt.
- Matte topcoat is obtained.

Technical Features

Structure of the Material	Liquid acrylic resin
Density	1,16 kg/lit
Final appeal	Coloured Mat
Solids by %	%57
Dilution	No Dilution
Time Between Coats	60-90 minutes
Drying time	30-45 minutes
Application Surface Temperature	+10°C / +30°C

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

Surface Quality

Concrete substrates to be applied must have a strong and sufficient compressive strength (at least 25 N / mm²), tensile strength at least 1.5 N / mm², humidity should be maximum 4%, ground temperature minimum + 8°C. In addition, it should be noted that the dew point of the ground must be above + 3°C. The substrate must be clean, dry and free from all kinds of dirt, oil, grease, coating and surface curing materials etc.

Application Procedure

Substrate Preparation

Concrete substrates to be applied should be prepared in such a way as to obtain an open porous surface by removing cement grout using abrasive equipment (Shot blasting, milling, diamond polishing, etc.). The resulting dust should be swept with the help of an industrial vacuum cleaner. Before applying **FOX AC TOPCOAT FF920**, the surface to be applied should be primed with **FOX UNIPRIMER FL555** or **FOX PRIMERA FL220** primer according to the surface absorbency. **FOX UNIPRIMER FL555** or **FOX PRIMERA FL220** should be applied in 2 coats. FOX AC TOPCOAT FF920 application can be started 24 hours after primer application is completed.

Application Conditions

- When applying to new poured concrete, concrete should be expected to complete at least 28 days of curing.
- Surface moisture content should be below 4%.
- There should be no rising humidity according to ASTM. (Polyethylene cover test).
- 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 + 3°C.

Watch Points in Application;

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

FOX AC TOPCOAT FF920 is ready for use as it is one component.

FOX AC TOPCOAT FF920 should be mixed with an electric mixer at 400 - 600 rpm until it becomes homogeneous.

Application

FOX AC TOPCOAT FF920 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 roll, it should be ensured that the material is distributed homogeneously and there is no trace of roll. Application between the coats should be done after 1 hour depending on the ambient temperature. In order to get ideal performance from the product, a minimum of 2 coats should be applied. The layers should be increased according to the surface absorbency.

Cleaning of the Tools

After the application, the tools and equipment used can be cleaned with water. **FOX AC TOPCOAT FF920** can only be removed from the surface by mechanical methods after hardening.

Coverage

~200-250 gr/m² (3 layers)

Watch Points

- Concrete surfaces should be at least 3 weeks prior to application, vapour barrier layer should be formed in the floorings that sit on the ground, ambient and surface temperature should be minimum + 10°C and maximum + 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 packages should be prepared at + 20°C - 25°C and ready for use in order to increase the workability of the products.
- Rain, dust, wind, animals and pests should be prevented from entering the building while the coating is fresh.
- In acrylic-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.

Package

5 kg Tin Gallon
20 kg Tin Gallon

Shelf Life

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

Storage

It 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 basis. 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.

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