

# INNO-FLOOR FOX ALPHACOAT FF900

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

### Description

**FOX ALPHACOAT FF900** is an acrylic resin based material formulated with special additives used in the protection and polishing of all kinds of concrete, artificial and natural stone surfaces. It is a top coat coating that provides a long-lasting protection, dust-free, surface resistance and aesthetic appearance, penetrating into the surface of any surface with natural appearance, coloured acid (stain), precast protection or surface hardener treatment.

### Fields of Application

- All kinds of old or new concrete, gross concrete and field concrete,
- In ground concretes applied with surface hardener,
- On field concrete coloured with acid stain,
- On surfaces such as natural stone, travertine, marble, cotto, press brick, etc.,
- In cement based precast facade coatings,
- All kinds of gross concrete surfaces,
- On wash concrete,
- It is used in city furniture.

### Advantages

- Easy to apply and use.
- Creates a crystal clear surface.
- Resistant to oil and fuel residues.
- Provides protection against all kinds of weather conditions and fungus formation on the surfaces.
- Prevents dusting, provides a harder surface.
- Extremely easy to clean, smooth surface is obtained.
- Provides resistance against abrasion.
- Penetrates deeply and gives a lively appearance.
- It is resistant to freeze - thaw effect and has UV resistant.
- Can be applied with brush, roll or spray machine.
- After the application of the surface hardener, by using as a curing agent, the sudden water loss of the concrete is prevented and the permanent finish surface is obtained.
- Water vapour permeable when applied on exterior surfaces.
- Water repellent.
- Resistant to Freeze-Thaw cycle and UV.

### Technical Features

Structure of the Material	Liquid acrylic resin
Density	0,92 kg/lt
Colour	Transparent
Final Appeal	Transparent Gloss
Flash Point	+25°C
Drying Time	2 hours
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/mm<sup>2</sup>), tensile strength at least 1.5 N/mm<sup>2</sup>, humidity should be maximum 4%, ground temperature minimum +10°C. In addition, it should be noted that the dew point of the ground must be above +3°C. The substrate should 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 a way to obtain an open porous surface by removing cement grout by using abrasive equipment (Shot Blasting, milling, diamond polishing etc.). Weak concrete pieces should be removed from the surface, small gaps, holes should be made completely open. The resulting dust should be cleaned with the help of an industrial vacuum cleaner. **FOX INNO-CRETE** repair mortars should be used for substrate repairs, filling gaps and smoothing the surface.

### Application Conditions

- In applications where new concrete will be poured, 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 ALPHACOAT FF 900** should be mixed with an electric mixer at 400 - 600 rpm until it becomes homogeneous.

### Application

**FOX ALPHACOAT FF900** is applied in layers with brushes, rolls or a spray pump resistant to solvents. Application between coats should be done after 2-3 hours according to 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 should be cleaned with solvent.

### Coverage

0,20-0,25 Lt/m<sup>2</sup> (for 3 layers)

### Watch Points

- When applying **FOX ALPHACOAT FF900**, it should always be ensured that there is good ventilation, and attention should be paid to wearing glasses, masks and gloves during application.
- It is recommended to apply **FOX ALPHACOAT FF900** by spraying it on the concrete surface to obtain a uniform structure. Since the material contains solvent, it is flammable. Necessary measures must be taken in storage and application. Care should be taken to ventilate the application areas thoroughly, not to smoke in the environment, and to avoid electrical short circuits.
- No water should be added to the **FOX ALPHACOAT FF900**.

### Package

5 lt Tin Gallon  
17 lt tin bucket

### Shelf Life

It is 24 months from the production date under suitable storage conditions. Opened packages should be consumed within 1 week by closing their mouths.

### 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 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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