

INNO-FLOOR FOX BETONAGE® BASECOAT BC

Special Cement and Polymer Dispersion Based, Can Be Applied on Horizontal and Vertical Surfaces, Decorative Coating Material

Description

FOX BETONAGE® BASECOAT BC is a special cement and polymer dispersion based decorative coating material that can be applied horizontally and vertically.

Fields of Application

- Magazines and showrooms,
- Offices,
- Hotel, restaurant and cafés,
- Residences,
- Shopping malls,
- Museum and galleries

Advantages

- Can be used in interiors and exteriors.
- It gives a continuous, monolithic appearance to the environment.
- Can be applied on any surface and object.
- Resistant to UV rays,
- Liquid impermeable,
- Provides different colour options.

FOX BETONAGE® BASECOAT BC Technical Features

Structure of the Material	Mineral fillers and polymer reinforced special cement
Colour	Grey Age, White Age, Agate Grey, Stone Grey, Pebble Grey, Platinum Grey, Smoky, Black, Ivory, Beige, Antique Beige, Chocolate, Saffron, Blue Nile, Green Almond, Salmon Pink, Terracotta, Tomato Red
Dry Density	1,40 kg/lt
Fresh Mortar Density	1,75kg/lt
Working Time	180 minutes
Compressive Strength	7 days ≥ 10 N/mm ²
Compressive Strength	28 days ≥ 17 N/mm ²
Bending Strength	7 days ≥ 4 N/mm ²
Bending Strength	28 days ≥ 7 N/mm ²
Splice Strength	Concrete ≥ 1 N/mm ²
Splice Strength	Metal Sheet $\geq 0,5$ N/mm
Application Surface Temperature	+5°C / +25°C



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 is above +3°C. The substrate screed must be clean, dry and free from all kinds of foreign materials such as dirt, oil, grease, coating, surface curing materials etc. that will prevent adhesion to the surface.

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 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.



Mixing

Place the amount of polymer indicated on the package in a clean mixing bowl. After adding the colour pigment in the specified mixing ratio into the polymer and mixing homogeneously, slowly add it to the **FOX BETONAGE® BASECOAT BC** polymer and mix it for 600 minutes / 1000 rpm for 3-4 minutes until you get a homogeneous mixture with the electric mixer and the appropriate mixing tip. Clumping of material at the bottom of the bucket should not be allowed and these pellets should be distributed. After waiting for about 1 minute, mix it for another minute and make it ready for use.

Mixing Ratio

For 1 kg of **FOX BETONAGE® BASECOAT BC** approximately 340 gr of polymer should be used.

For 1 kg of Polymer approximately 28 gr of colour pigment should be used.

Application

Horizontal Surface Primer Application

In order to increase the adherence of **FOX BETONAGE® BASECOAT BC** coating material to the surface to be coated, to reduce air bubbles and prevent the absorption of the mixture liquid from the surface, the surface to be coated should be primed. In primer selection, surface properties should be examined and the time requirement should be calculated. According to the structure of the application place, the surface should be primed with the appropriate primer from **EPOTHANE®** series, while the material is still wet, it should be sprinkled with silica sand 40-45 Afs (0.2-0.5 mm) and a **minimum of 12 hours** (24 hours depending on weather conditions) should be expected to dry. After the excess residues on the surface are scrapped by scraping, the non-stick sand should be cleaned with the help of an industrial cleaner.

Vertical Surface Primer Application

In order to increase the adherence of **FOX BETONAGE® BASECOAT BC** coating material to the surface to be coated, to reduce air bubbles and prevent the absorption of the mixture liquid from the surface, the surface to be coated should be primed. In primer selection, surface properties should be examined and the time requirement should be calculated. **FOX THERM-ALL® SUNPRIM FT310** polymer dispersion based adherence enhancing primer material is used on the application surface.

Wooden Surface Primer Application

In order to increase the adherence of **FOX BETONAGE® BASECOAT BC** coating material to the surface to be coated, to reduce air bubbles and prevent the absorption of the mixture liquid from the surface, the surface to be coated should be primed. In primer selection, surface properties should be examined and the time requirement should be calculated. **FOX THERM-ALL® SUNPRIM FT310** polymer dispersion based adherence enhancing primer material is used on the application surface.

For other surface applications, consult our technical unit.

Coating

FOX BETONAGE® BASECOAT BC Application

1st Layer Application: Place the amount of polymer indicated on the package in a clean mixing bowl. After adding the colour pigment in the specified mixing ratio into the polymer and mixing homogeneously, slowly add it to the **FOX BETONAGE® BASECOAT BC** polymer and mix it for 600 minutes / 1000 rpm for 3-4 minutes until you get a homogeneous mixture with the electric mixer and the appropriate mixing tip. Clumping of material at the bottom of the bucket should not be allowed and these pellets should be distributed. After waiting for about 1 minute, mix it for another minute and make it ready for use. Moisten the surface to be treated. Pour the homogeneous mixture on the surface and distribute it with a suitable trowel. After the material has dried, sand the surface with 60 grit sandpaper. After sanding is completed, clean the dust of the surface with a vacuum cleaner and wipe it with a damp cloth.

2nd Layer Application: Before applying the second coat, moisten the application surface so that there is no dry place. Then repeat all the steps exactly as on the first layer.

Optionally, after sanding, you can finish the application by priming the surface with **FOX DOMINO® AC SEALER FD791** primer and applying **FOX PURATHANE® TOPCOAT WB** transparent matte / glossy product.

Cleaning of the Tools

After the application, the tools and equipment used should be cleaned with water. **FOX BETONAGE® BASECOAT BC** can only be removed from the surface mechanically after it hardens.



Coverage

For the 1st layer; 1,50-1,75 kg/m² **FOX BETONAGE® BASECOAT BC** should be used.

For the 2nd layer; 1,00-1,25 kg/m² **FOX BETONAGE® BASECOAT BC** should be used.

Watch Points

In application of **FOX BETONAGE® BASECOAT BC**, if the ambient and surface temperature is below +5°C or above +25°C, suitable temperatures should be expected. Applied fresh product should be protected from sunlight and wind so as not to dry quickly. Application should not be made in extremely hot, rainy or windy weather. Materials to be used in the application area should be brought and stored 1-2 days in advance and adapted to the ambient conditions. In applications to be carried out in extreme cold weather, the environment and ground temperature should be increased with heaters, and the materials to be used should be conditioned at +20°C - +25°C and made ready for application. Working and reaction times of cement based systems are affected by the ambient and ground temperature and relative humidity in the air. At low temperatures, the reaction slows down, which increases pan (pot) life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly. For the material to complete its curing, the ambient and ground temperature should not fall below the minimum allowed value. After mixing, the material should be rested and then mixed again.

Package

FOX BETONAGE® BASECOAT BC; 25 kg Polyethylene reinforced kraft bag

FOX BETONAGE® POLYMER; 8,5 kg bucket

Shelf Life

It is 12 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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