

## INNO-DECO

# FOX BETONAGE® BC

## Acrylic-Based, Ready-to-Use Microconcrete Coating Material

### Description

**FOX BETONAGE® BC** is an acrylic-based, fine-textured, ready-to-use decorative microconcrete coating material suitable for unique surfaces, designed for multilayer applications on both floors and walls.

### Fields of Application

- Stores and showrooms,
- Offices,
- Hotels, restaurants, and cafés,
- Residential areas,
- Shopping malls,
- Museums and galleries.

### Advantages

- Suitable for indoor and outdoor use.
- Provides a continuous and seamless appearance.
- Applicable on almost any surface and object.
- UV-resistant.
- Impermeable to water.
- Available in various color options.

### Technical Properties

Material Structure		Acrylic, mineral fillers, polymer additives
Density		1,75±0,05 g/cm <sup>3</sup>
Color		White, Colored
Adhesion Strength	EN 1542	≥1,5 N/mm <sup>2</sup>
Thermal Conductivity	DIN 4108	0,70 W/(m*K)
Grain Size	EN 1015-1	≤1,2
Water Vapor Permeability	EN ISO 7783	V <sub>2</sub>
Capillary Water Absorption and Water Permeability	EN 1062-3	w<0,1 kg/m <sup>2</sup> .h <sup>0,5</sup>
Application Surface Temperature		+5°C /+30°C
Working Time		45-60 Minutes
Drying Time		4-6 Hours
Reaction to Fire	EN 13501-1	A2-s1,d0

The above values are given for +23°C and 50% relative humidity. Higher temperatures reduce the working time, while lower temperatures extend it.

### Application Procedure

#### Surface Preparation

Concrete substrates to be coated must be prepared with abrasive equipment (shot blasting, milling, diamond grinding, etc.) to remove cement laitance and obtain an open-pored surface. Weak concrete areas must be removed, and small voids and holes must be fully opened. Dust must be cleaned using an industrial vacuum cleaner.

#### Mixing

The material must be mixed thoroughly before application until a homogeneous consistency is achieved.

#### Application

##### Priming of Horizontal/Vertical Surfaces

**FOX BETONAGE® BC** requires priming to increase adhesion, reduce air bubble formation, and prevent absorption of the liquid component by the substrate.

**FOX PRIMERA® FL220** is poured onto the cleaned and prepared surface and applied evenly using a brush or roller. The application rate must be adjusted according to the substrate condition. On substrates with high absorption risk, consumption must be increased. Ponding on the surface must be avoided. **FOX DECOPRIMER FL204** is then applied with a suitable roller. After approximately 4 hours, a masking tape test is performed to check whether the substrate is ready for coating. If **FOX DECOPRIMER FL204** has sufficiently conditioned the surface, no dust should appear on the tape when removed.



## Coating

Mix the ready-to-use material for approximately 1 minute. Add **FOX DOMINO COLOR WB AC** at 1% of the total weight and mix until the color becomes completely homogeneous. Pour the homogeneous mixture onto the surface and spread it using a suitable trowel. After drying, sand the surface with 60/80 grit abrasive. After sanding, clean the dust with an industrial vacuum cleaner and wipe the surface with a damp cloth.

## Cleaning of Tools

All tools and equipment used during the application must be cleaned with water before the material cures.

## Consumption

1st Layer: 1.30–1.50 kg/m<sup>2</sup> **FOX BETONAGE® BC**

The given consumption values are average values. Actual consumption may vary depending on the application conditions, substrate type, and substrate absorbency.

## Important Considerations During Application

- During the application of **FOX BETONAGE® BC**, substrate and ambient temperatures must not be below +5°C or above +30°C. Application should not be carried out in extremely hot, rainy, or windy weather.
- In outdoor applications, protect the coated surfaces from sunlight, rain, wind, and frost during the first 24 hours.
- High temperatures accelerate hydration and reduce working time; low temperatures slow hydration and extend working time. During curing, the substrate and ambient temperatures must not fall below the minimum permitted levels.

## Packaging

15 kg Bucket

## Shelf Life

When stored at room temperature between +5°C and +30°C, protected from direct sunlight, the shelf life is 12 months from the production date. Opened containers must be tightly sealed and consumed within one week.

## Storage

Store in unopened original packaging, in a cool and dry environment, protected from frost.

## VOC Content

The EU limit value for this product type (Category IIA/I – WB type) is max. 200 g/L (2010). This product contains <200 g/L VOC.

## Safety Precautions

Approaching storage and application areas with open flame is hazardous. These areas must be ventilated. During application, appropriate workwear, protective gloves, goggles, and masks must be used according to occupational safety standards. Avoid contact with eyes and skin. In case of contact, rinse with plenty of water and soap. If swallowed, seek medical attention immediately. Food and beverages must not be brought into the application area. Keep out of reach of children. Refer to the Safety Data Sheet (SDS) for detailed information.

## Disclaimer

The information in this technical document is based on our scientific and practical knowledge. Fox Bau Yapı Kimyasalları A.Ş. is responsible only for the quality of the product. The company cannot be held responsible for results arising from improper use or applications outside written recommendations. For detailed information, refer to the safety data sheet, the technical data sheet, or contact our authorized representatives.



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