

## INNO-DECO

# FOX BETONAGE® MC

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

### Description

**FOX BETONAGE® MC** is an acrylic-based, fine-textured, ready-to-use, multi-layer decorative microbeton coating material suitable for unique surfaces, applicable on floors and walls.

### Fields of Application

- In stores and showrooms
- In offices
- In hotels, restaurants and cafés
- In residential areas
- In shopping malls
- In museums and galleries

### Advantages

- Suitable for interior and exterior applications
- Provides a continuous, monolithic appearance
- Applicable on all surfaces and objects
- UV resistant
- Waterproof
- Available in various color options

### Technical Properties

Material Structure		Acrylic, mineral fillers, polymer additives
Density		1,73±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 & 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
Fire Reaction	EN 13501-1	A2-s1,d0

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

### Application Procedure

#### Substrate Preparation

Concrete substrates must be prepared using mechanical methods such as shot blasting, grinding, milling, or diamond grinding to remove the cement laitance and create an open-porous surface. Weak concrete must be removed, voids and holes must be opened fully, and all dust must be removed with an industrial vacuum.

#### Mixing

Mix the material thoroughly before application until a uniform consistency is achieved.

#### Application

##### Priming – Horizontal/Vertical Surfaces

To increase adhesion, reduce air bubble formation, and prevent excessive absorption by the substrate, the surface must be primed before applying **FOX BETONAGE® MC**. Apply **FOX PRIMERA® FL220** by brush or roller in a uniform layer. Adjust the application rate according to surface absorbency. Avoid ponding. Afterward, apply **FOX DECOPRIMER FL204** with a suitable roller. To check readiness for coating, perform the masking tape test after approx. 4 hours. If **FOX DECOPRIMER FL204** has achieved sufficient surface conditioning, no dust should transfer to the tape.



## Coating

Mix the ready-to-use material for approx. 1 minute. Add **FOX DOMINO COLOR WB AC** at 1% of total material weight and mix until the color is homogeneous. Moisten the substrate lightly. Apply the mixture with a suitable steel trowel. After drying, sand the surface with 120-grit mesh sandpaper. Remove dust with an industrial vacuum and wipe with a damp cloth.

Optionally, finish with **FOX PURATHANE® TOPCOAT WB** for a matte protective topcoat.

## Cleaning of Tools

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

## Consumption

1st Coat: 0.70–0.80 kg/m<sup>2</sup> **FOX BETONAGE® MC**

2nd Coat: 0.70–0.80 kg/m<sup>2</sup> **FOX BETONAGE® MC**

Actual consumption may vary depending on substrate texture, absorbency, and environmental conditions.

## Watch Points

- During the application of **FOX BETONAGE® MC**, if the ambient and substrate temperature is below +5°C or above +30°C, the appropriate temperature conditions must be awaited. Application should also be avoided in extremely hot, rainy, or very windy weather conditions.
- For exterior applications, the surface must be protected from sunlight, rain, wind, and frost for the first 24 hours.
- High temperatures accelerate hydration and consequently shorten the working time. Low temperatures slow down hydration and therefore extend the working time. To ensure complete curing of the material, the substrate and ambient temperatures must not fall below the minimum permissible temperature.

## Packaging

7 kg Bucket

15 kg Bucket

## Shelf Life

When stored correctly between +5°C and +30°C in unopened original packaging, the shelf life is 12 months from the date of manufacture. Opened containers must be sealed properly and used within 1 week.

## Storage

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

## VOC Content

For this product (Category IIA / I type WB), the EU VOC limit (2010) is max. 200 g/L. This product contains <200 g/L VOC.

## Safety Precautions

Keep away from open flame. Ensure adequate ventilation. Wear protective clothing, gloves, goggles, and a mask in accordance with occupational safety regulations. Avoid contact with skin and eyes. In case of contact, wash immediately with plenty of water and soap. Do not ingest. In case of accidental ingestion, seek medical attention immediately. Keep away from food and beverages. Store out of reach of children. Refer to the Material Safety Data Sheet (MSDS) for detailed information.

## Disclaimer

The information contained in this technical document is based on scientific and practical knowledge. Fox Bau Yapı Kimyasalları A.Ş. is responsible solely for the quality of the product. The company cannot be held liable for any consequences arising from improper or non-recommended application. Refer to the Technical Data Sheet (TDS) and Safety Data Sheet (MSDS) or contact our technical team for detailed guidance.



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