

## INNO-DECO

# FOX BETONAGE® POLYMER

### Water Based Copolymer Component

#### Description

**FOX BETONAGE® POLYMER** is a water-based copolymer, liquid polymer material developed specifically for **FOX BETONAGE® BASECOAT** and **FOX BETONAGE® FINISHCOAT** products.

#### Fields of Application

- Indoor and outdoor, vertical and horizontal applications,
- In heated screeds, balconies and terraces,
- Used in **FOX BETONAGE®** system.

#### Advantages

- Easy to prepare and apply.
- Increases adhesion.
- Reduces water absorption.
- Increases chemical resistance.
- Increases scratch resistance.
- Makes the product mixed with, more flexible..

#### Technical Features

Structure of the Material	special polymers
Density	1,50 kg/lt
pH	7-9
Color	White
Consistency	Liquid
Solids by %	24%
Application Surface Temperature	+5°C / +30°C
Usage Temperature	+5°C / +30°C

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

#### Application Procedure

##### Substrate Preparation

Care should be taken that the application surfaces are solid, dry carrier, dust-free and clean. The surface must be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken its adherence and must be cleared of loose particles.

##### Mixing

For 25 kg **FOX BETONAGE® BASECOAT** powder, 8,6 kg of **FOX BETONAGE® POLYMER**,

For 17,5 kg **FOX BETONAGE® FINISHCOAT** powder 8,6 kg of **FOX BETONAGE® POLYMER** should be used.

**FOX BETONAGE® POLYMER** is placed in a clean mixing container. **FOX DOMINO COLOR PACK** is weighed according to the desired color, added into the polymer and mix until a homogeneous color is obtained.

While **FOX BETONAGE® BASECOAT** or **FOX BETONAGE® FINISHCOAT** bag is opened and added into the polymer slowly, it is mixed with a 400-600 rpm mixing drill for approximately 3 minutes until it becomes homogeneous. There should be no lumps in the material. After the material is rested for 60 seconds, it is mixed again for 1 minute and made ready for application. Different polymer ratios and different mixing methods can cause unwanted color differences.

##### Mixing Ratio

For 25 kg **FOX BETONAGE® BASECOAT** powder, 8,6 kg of **FOX BETONAGE® POLYMER**,

For 17,5 kg **FOX BETONAGE® FINISHCOAT** powder 8,6 kg of **FOX BETONAGE® POLYMER** should be used.

For 1 kg **FOX BETONAGE BASECOAT** powder 344 gr **FOX BETONAGE® POLYMER**,

For 1 kg **FOX BETONAGE FINISHCOAT** powder 491 gr **FOX BETONAGE® POLYMER** should be used.



## Application

### FOX BETONAGE® BASECOAT Application

First add the preferred color pigment onto the polymer prepared in the specified mixing ratios and mix until a homogeneous mixture is obtained. Then add **FOX BETONAGE® BASECOAT** and mix at 600/1000 rpm for 3-4 minutes. Do not allow the material to clump at the bottom of the bucket and make sure that these clumps are dispersed. After waiting for about 1 minute, mix it for another 1 minute and make it ready for use. Moisten the application surface. Pour the homogeneous mixture onto the surface and distribute it with a suitable trowel. After the material dries, sand the surface with 60-grit sandpaper. After the sanding process is completed, clean the dust of the surface with the help of a vacuum cleaner and wipe it with a damp cloth.

### FOX BETONAGE® FINISHCOAT Application

First add the preferred color pigment onto the polymer prepared in the specified mixing ratios and mix until a homogeneous mixture is obtained. Then add **FOX BETONAGE® FINISHCOAT** and mix at 600/1000 rpm for 3-4 minutes. Do not allow the material to clump at the bottom of the bucket and make sure that these clumps are dispersed. After waiting for about 1 minute, mix it for another 1 minute and make it ready for use. Moisten the application surface. Pour the homogeneous mixture onto the surface and distribute it with a suitable trowel. After the material dries, sand the surface with 120 mesh sandpaper. After the sanding process is completed, clean the dust of the surface with the help of a vacuum cleaner and wipe it with a damp cloth.

## Cleaning of the Tools

After the application, used tools and equipment should be cleaned with water. **FOX BETONAGE® POLYMER** can only be cleaned from the surface mechanically after hardening.

## Coverage

Variable.

## Watch Points

- In the application of **FOX BETONAGE®** system, if the ambient and surface temperature is below +5°C or above +30°C, suitable temperatures should be expected.
- The applied fresh product should be protected from sunlight and wind so that it does not dry quickly.
- The application should not be done in extremely hot, rainy or windy weathers.
- The materials to be used in the application area should be brought and stored 1-2 days in advance and should be ensured to adapt to the ambient conditions.
- In applications to be made in extreme cold weather, it should be ensured that the temperature of the environment and ground be increased with heaters, 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 environment and ground temperature and relative humidity in the air.
- Reaction slows down at low temperatures, which increases pot life and working time.
- High temperatures accelerate the reaction and the times stated above decrease accordingly.
- For the material to complete its curing, the ambient and ground temperature should not fall below the allowed minimum temperature. After mixing, the material should be rested and then mixed again.

## Package

8,6 kg bucket

## Shelf Life

When stored properly between +5°C and +30°C at room temperature, away from direct sunlight, its shelf life is 12 months from the date of production. Opened packages should be consumed within 1 week by closing the mouth.

## Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. For short term storage, maximum 3 palettes should be placed on top of each other and the shipment should be made on a first in, first out system. Palettes should not be stacked on top of each other during long term storage.



### 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, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material 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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