

# **BILIZO**® FLOOR EPOXY-C

## Epoxy Based Topcoat Paint

### Product Description

Epoxy resin based, two component, high volume solids, low viscosity, colorful floor coating material designed as smooth shiny top coat of the multilayer or one layer paint coating systems.

### Uses

- On concrete, cement or epoxy mortars for all kinds of industrial floors,
- Forklift, loader and heavy traffic depots, hangars and repairing support montage unites,
- Multilayer floor coating systems at factories, ateliers, production and packaging areas,
- To increase the mechanical and chemical strength and as wall paint for hygienic areas,
- To get mechanical strength and abrasion resistance for medium and heavy load bearing floors.

### Advantages

- Suitable for application with airless painting machines,
- Resistant to diesel, fuel and many other kinds of chemicals,
- Highly resistant to abrasion,
- Rigid flexible,
- Helps to create a hygienic area with its easy cleanable smooth surface.

### Packaging

A set of 22 kg BILIZO® FLOOR-C; consists of a 20 kg pail of A component and a 2 kg gallon of B component.

### Usage and Consumption

1,8 – 2,0 mm floor coating for Medium traffic garages, depots and food companies;

#### • Impregnation primer:

BILIZO® MACRO PRIMER .....150-200 gr/m<sup>2</sup>  
*(Depending on the concrete surface, it should be thinned by 10-20%)*

#### 1st Middle Layer:

BILIZO® FLOOR 350 SC .....500gr/m<sup>2</sup>  
 0,3 - 0,6 mm quartz.....2000 gr/m<sup>2</sup>

#### • After picking up the sand and wiping the floor:

##### 2nd Middle Layer:

BILIZO® FLOOR 350 SC.....500gr/m<sup>2</sup>  
 0,3 - 0,6 mm quartz.....2000 gr/m<sup>2</sup>

#### • After picking up the sand and wiping the floor as topcoat:

##### BILIZO® FLOOR EPOXY-C

1st Coat.....200-300 gr/m<sup>2</sup>  
 2nd Coat.....200-300gr/m<sup>2</sup>

### As wall paint for hygienic areas in industrial kitchens and food companies

#### • Impregnation primer:

BILIZO® MACRO PRIMER .....100-150 gr/m<sup>2</sup>  
*(Depending on the concrete surface, it should be thinned by 10-20%)*

#### • Smooth Topcoat:

##### BILIZO® FLOOR EPOXY-C

1st Coat.....100-200 gr/ m<sup>2</sup>  
 2nd Coat.....100-200 gr/ m<sup>2</sup>

### Technical Data

|                           |  |
|---------------------------|--|
| Finish                    | Bright   |
| Color                     | All colors   |
| Density                   | 1,65 ± 0,05 kg/lit (A+B)   |
| Mix Ratio                 | 10:1 (A:B – by weight)   |
| Solids by volume          | 85% (A+B)  |
| Pot Life (+10°C)          | 120 minutes  |
| (+30°C)                   | 50 minutes   |
| Wait Time Between Coats   | 24 hours / 20°C  |
| Ready for Light Traffic   | 2 days / 20°C  |
| Full Cure                 | 7 days / 20°C  |
| Taber Abrasion Resistance | 30 mg (full cure)  |
| Surface temperature       | +8°C - +35°C   |
| Ambient temperature       | +8°C - +35°C   |
| Relative air humidity     | Max %70-80   |
| Dew Point                 | Pay attention to the dew point! Dew point must be at least +3 °C in order to reduce the risk of condensation and blooming in finished surface and uncured coating surface temperature. |

## Application

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**Preparation of Surface:** Application surface should be clean and free of damages. Wait time for the previous primer or the undercoat should be observed.

**Ambient Conditions:**

- Relative humidity of the air should be 75% maximum and the application (ambient and surface) temperature should be between 5 and 35°C.
- In case it is applied outdoors, it should not be rainy 48 hours before and 48 hours after and during the application.
- Surface temperature should be 3°C above the then dew point. (Please call our firm for the Ambient temperature-Ambient Moisture-Dew Point table.)

**Preparation of Mixture:** It is a two-component product and it should, therefore, be prepared at the mix ratio specified for the quantity to be used, taking into consideration the pot life. For a homogenous mixture, make sure that the product temperature should not be less than 15°C. Component A should be stirred by itself by use of a mechanical mixer quickly and then the hardener (Component B) should be added, taking care of the mix ratio. Components A and B should be stirred by using a mechanical mixer for minimum 3 minutes until you have a homogenous mixture. Make sure that you apply the mixture within its pot life.

**Surface Application:** After made ready to apply, the mixture is preferably applied by airless spray or roller with short hair in amount specified in the paint system or in such amount to obtain the desired dry film thickness as controlled by wet film comb. If it is desired that the fresh flooring spread over the surface completely should give a thicker orange peel appearance, the paint film is combed by using coral roller 30-40 minutes after the application. Wait time between the coats is minimum 24 hours (20°C) and maximum 5 days. It is very important that the second coat should be applied within the time for over-coating specified above. It reaches to a full mechanical and chemical strength in about 7 days. **Tool Cleaning:** With cellulosic or epoxy thinner.

**WARNING:** After 36-48 hours the material is applied, air temperature should be above 8°C , it should not be rainy or snowy and should be applied with considering the possibility of raining.

## Storage

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Store the product in a cool and dry place. Shelf life of the product is 1 year for Components A and B when stored properly in the original container unopened. Mechanically, it resists against mechanical effect of medium to high load. And thermally, it resists up to +80°C at humid temperature (also without any chemical and mechanical effect) and up to +120°C at dry temperature.

## Safety Measures

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Please refer to the Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.