

# **BILIZO**® **PROTECT EPOXY**

## **Epoxy Transparent Protective Lacquer**

### **Product Description**

It is a transparent floor coating material which is epoxy resin based, two-component, low-viscosity and high abrasion resistant.

### **Uses**

- It is used as protective topcoat on epoxy floorings,
- PVC floorings
- Decorative paving and similar coatings
- Floor and vertical coatings of hygienic environments such as hospitals, laboratories and food facilities
- Wooden floor coatings
- Easily cleaned and resistant against chemicals and abrasion

### **Packaging**

A 14 kg set of BILIZO® PROTECT EPOXY consists of Component A in one pail of net 10 kg and Component B in one galloon of net 4 kg.

### **Usage and Consumption**

- As protective lacquer on epoxy coatings;  
100 to 200 gr/m<sup>2</sup> (should be applied as a saturated single layer)
- On decorative paving;  
100 to 300 gr/m<sup>2</sup> (should be applied in 2 layers by observing the wait-time between layers)
- On wooden floor coatings;  
200 to 400 gr/m<sup>2</sup> (should be applied in 2 to 3 layers by observing the wait-time between layers)

Depending on the system solutions, the usage and amount may change.

**WARNING: Never use a diluter in applications.**

### **Advantages**

- Low-viscosity
- High bonding capability
- Good chemical resistance
- High abrasion resistance
- Applicable by roll, brush, aired/airless spray machine

### **Technical Data**

<b>Finish</b>	Transparent
<b>Color</b>	Colorless
<b>Density</b>	1,05 ± 0,05 kg/l <sup>t</sup> (A+B / 20°C)
<b>Mix Ratio</b>	10:4 (A:B – by weight)
<b>Solids by volume</b>	77% (A+B)
<b>Pot Life (+10°C)</b>	120 minutes
<b>Pot Life (+30°C)</b>	90 minutes
<b>Wait-Time Between Coats</b>	6 hours at 20°C
<b>Ready for Light Traffic</b>	24 hours at 20°C
<b>Full Cure</b>	7 days at 20°C

## 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 80% 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 24 hours before and 24 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 before the application.

**Surface Application:** After made ready to apply, the mixture is preferably applied by airless spray or roller to saturate the surface. Recommended consumption is 100-150 g/m<sup>2</sup> in for 2-3 coats. Wait-time between the coats is minimum 4 hours (20°C) and there is no limit for the maximum. 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:** Cellulosic or polyurethane thinner.

## Storage

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Store the product in a cool and dry place. Shelf life of the product is 1 year for Component A and 6 months for Component 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.