

# **BILIZO**® **EPOXY PROTECT WB**

## **Water-Based Epoxy Transparent Protective Lacquer**

### **Product Description**

It is a water-based, transparent, protective floor coating material which is epoxy resin based, two-component, low-viscosity and highly resistant against abrasion and chemicals.

### **Uses**

- It is used as a protective topcoat on decorative painting applications in places which are required to be hygienic and antibacterial
- On all kinds of floor coatings including parquets for improving abrasion resistance
- On street paints
- On wall coatings
- On special decorative coatings

### **Packaging**

A 5,5 kg set of BILIZO® EPOXY PROTECT WB consists of Component A in one pail of net 4 kg and Component B in a plastic gallon of net 1,5 kg.

### **Technical Data**

<b>Finish</b>	Semi-glossy
<b>Color</b>	Colorless, with water transparency
<b>Density</b>	1,10 ± 0,05 kg/lit (A+B /20°C)
<b>Mix Ratio</b>	4:1 (A:B – by weight)
<b>Solids by volume</b>	77% (A+B)
<b>Pot Life (+10°C)</b>	8 hours
<b>Pot Life (+30°C)</b>	6 hours
<b>Consumption</b>	150 gr/m2 – 75 Dft*
<b>Touch-Dry</b>	1.5 hours / 75 Dft* at 20°C
<b>Hard-Dry</b>	9 hours / 75 Dft* at 20°C
<b>Hardness</b>	130 Persoz in 1 day (20°C - 60% RH) 300 Persoz in 7 days (20°C - 60% RH)

### **Usage and Consumption**

Suggested consumption is 150 to 200 gr/m2 in 2 layers.

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

### **Advantages**

- It creates a breathing (water vapor permeability) film thanks to its nanoparticulate structure.
- It is odorless, it does not contain any volatile organic compound.
- It forms a transparent coating.
- Its pot life is long and it can be applied by roll, brush and aired or airless spray.
- It has high chemical resistance.
- It is stain-proof, easily-cleaned and resistant against all domestic chemicals and foods.

## 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 150-200 g/m<sup>2</sup> in for 2 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:** Clean them with water.

## Storage Conditions

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Store the product in a cool and dry place. Shelf life of the product is 12 months 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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Refer to Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.