

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/m² (should be applied as a saturated single layer)
- On decorative paving;
100 to 300 gr/m² (should be applied in 2 layers by observing the wait-time between layers)
- On wooden floor coatings;
200 to 400 gr/m² (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

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

Application

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/m² 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

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

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