

BILIZO® **PROTECT**

Polyurethane Transparent Protective Lacquer

Product Definition

It is a transparent floor coating material which is aliphatic, acrylic, polyurethane resin based, two-component, low-viscosity and high UV-resistant.

Uses

- Epoxy or polyurethane floor coatings
- PVC floor coatings
- Exterior decorative paving and similar coatings
- Floor and vertical coatings of hygienic environments such as hospitals, laboratories and food facilities
- Used as a final coat lacquer which is easily cleaned and resistant against chemicals and abrasion

Packaging

A 11.5-kg set of BILIZO® PROTECT consists of one pail of net 10 kg and one galloon of net 1.5 kg.

Usage and Consumption

100 to 150 gr/m² consumption is recommended in to or three coats.

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

Advantages

- Low viscosity and flexible
- High adhesion capacity
- High UV resistance
- Good chemical resistance
- High abrasion resistance

Technical Data

Finish	Transparent
Color	Colorless
Density	1,00 ± 0,05 kg/lit (A+B / 20°C)
Mix Ratio	10:1.5 (A:B – by weight)
Solids by volume	35% (A+B)
Pot Life (+10°C)	120 minutes
Pot Life (+30°C)	90 minutes
Wait-Time Between Coats	4 hours at 20°C
Ready for Light Traffic	24 hours at 20°C
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.
Full Cure	7 days at 20°C

NOTE: The above values are given for 23°C temperature and 50% relative humidity. Higher temperatures will shorten the time while lower temperatures will extend it.

Application

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.

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.

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.