

BILIZO® **PUR PRIMER**

Moisture Curing Polyurethane 1K Impregnation Primer

Product Description

It is an one compenant, solvent base, moisture curing, low viscosity, flexible polyurethane resin-based impregnation primer. it gives protective effect at the end of the reacted with floor and air moisture, as penetrating the applied surface.

Uses

- As a impregnation primer before application of epoxy or polyurethane top-coats on the concrete, cement or epoxy mortars for floors subject to medium to heavy load,
- As a impregnation primer before application of parquet adhesive,
- As a concrete impregnation primer for consolidation of concrete before top-coats of polyurethane mortar, epoxy or polyurethane top-coats application,
- As a water insulation primer for tile, ceramic etc. coatings' joint,
- As a reinforce and water insulation increase primer for clay or brick floor coatings.

Consumption

In a single layer 150 - 200 gr / m2 should be applied. This coverage is based on practical application by roller onto a smooth surface in optimum conditions. . Pores on the surface, temperature, humidity, application method and finish required varies depending on the amount of consumption.

Advantages

- Easy application (with roller or airless spray),
- High impregnation ability to better penetrate the surface absorbed,
- Reinforce to applied surfaces,
- Resistance to the puddle and freeze,
- Chemical resistance to the chemical, moisture, oil, gress and other stain releasers.

Packaging

BILIZO® PUR PRIMER is presented in 17 kg metal pails.

Technical Data

Appearance	Transparent
Color	Yellowish
Density (20°C)	0,97 ± 0,05 kg/l
Solids by volume	%50
Shore A hardness	>95
Concrete adhesion	2,5 N /mm
Resistance to water pressure	No leakage (1m water column – 24 hours)
Application method	Roller, brush, airless spreay
Wait Time Between Coats (20°C)	2-3 hours (at 20°C and 60% relative humidity)
Light Traffic (20°C)	12 hours (at 20°C and 60% relative humidity)
Fully Cured (20°C)	4 days (at 20°C and 60% relative humidity)

Application

Surface Preparation: Application surface should be free of any damages. It should be free of any loose and friable particles, oil and paint leftovers and cement grout. Wide cracks and defects should be repaired beforehand. Surface should be clean, rough and dust free. Any cement shell and bright screed on the concrete surface should be cleaned up by equipment such as sandblasting machine, hacking machine, wiping machine with diamond drum and impact grinding machine and it should then be roughened and wiped. Remove all dust from the surface by using industrial type vacuum cleaner. Age of new concrete should be minimum 28 days depending on the season and the concrete surfaces should have a maximum moisture content of 5-6%.

Strength: Mechanically, it resists against mechanical effect of medium to high load. And thermally, it resists up to +60°C at humid temperature (also without any chemical and mechanical effect) and up to +80°C at dry temperature.

Application 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 low temperatures drying time will be increase, in high temperatures drying times will be decrease.
- In case it is applied outdoors, it should not be rainy 24 hours before and 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.

Surface Application: It is ready to use, not to dilution. The product is applied by roller, brush or airless spray until the surface is saturated well and pores are closed. Recommended consumption is 150-200 gr/m² (one coat.) The consumption can be change according to the surface pore structure, absorbing surface and special projects. Applying two coats on very absorbent surfaces , airless spray is recommended for the wide areas of applications . 2-3 hours (not 4 hours) slightly adhering primer , polyurethane waterproof coating , adhesive or polyurethane sealant is applied.

Clean Up: Cellulosic or Polyurethane thinner.

Storage

Store the product in a cool and dry place. Shelf life of the product is 6 months when stored properly in the original container unopened.

Safety Measures

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