



BILIZO® *MACRO PRIMER*

Multi-Functional Epoxy Primer For Wet And Humid Surfaces

Product Description

It is an epoxy resin-based, two-component, solvent-free, moisture tolerant, transparent sealer of low viscosity.

Uses

- As primer layer for polyurethane materials in wet weather conditions
- As primer layer before polyurea application
- As primer layer before application of epoxy or polyurethane top-coats on the concrete, cement or epoxy mortars for floors subject to medium to heavy load
- As concrete primer to wet the concrete surface and provide a good adhesion bridge before top-coats of epoxy mortar, epoxy self-leveling screed, epoxy laminate or epoxy/polyurethane
- As binder for preparation of level stabilization, repair and improvement mortar
- As binder for preparation of epoxy mortar to obtain a thickness of 5 – 8 mm
- For repair of big cracks and form of chamfering by mixing with silica sand or different fills
- As primer layer before polyurethane foam application

Consumption

As an impregnation primer: 0.3 – 0.4 kg/m².
Depending on the system solutions, the usage and amount may change.

Advantages

- Low viscosity and resilient structure.
 - High wetting capability.
- Applicable on damp concrete (wet concrete), cured even in contact with water after application

Packaging

BILIZO® MACRO PRIMER A+B is supplied in 10+4 kg and 3+1,2 kg pails.

Technical Data

| PROPERTY | RESULTS |
|-------------------------|-------------------------|
| Finish | Transparent |
| Color | Colorless |
| Density | 1,1 ± 0,05 kg/lit (A+B) |
| Mix Ratio | 2,5:1 (A:B – by weight) |
| Solids by volume | 100% (A+B) |
| Pot Life (+10°C) | 80 minutes |
| (+30°C) | 25 minutes |
| Wait Time Between Coats | 12 hours / at 20°C |
| Ready for Light Traffic | 24 hours / at 20°C |
| Full Cure | 7 days / at 20°C |

Application

Surface Preparation

Application surface should be free of any damages. Surface should have compression strength of minimum 25 N/mm² and pull-off test result of minimum 1,5 N/mm². 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. Any cement shell and bright screed on the concrete surface should be cleaned up by equipment such as sandblasting machine, hacking machine, and 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.

Concrete surfaces in contact with the soil to be coated should be previously treated with water and water vapor sealants.

Application Conditions

- Relative humidity of the air should be 90% 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 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.)

Mixing Procedure

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 for minimum 3 minutes until you have a homogenous mixture.

Surface Application

When ready for application, the product is applied by roller or airless spray until the surface is saturated well and pores are closed. Time for over coating is minimum 12 hours (20°C) and maximum 1 days. 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.

Storage

Store the product in a cool and dry place. Shelf life of the product is 1 year for Components A and B when stored properly in the original container unopened.

Safety Measures

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

Adequate ventilation is required. Hands and eyes must be protected with gloves and protective glasses. Case of eye contact, rinse eyes with plenty of water for the material and consult a doctor immediately.

NOTE: Keep out of reach of children.