

ECOFONDO

Waterborne epoxy 3 component coating (A+B+C)

Description

Waterborne 3 component product based on liquid epoxy resin with hydrolytic binders, to be used as primer for substrates even with humidity from ground-up.

Uses

- Reduces the roughness of concrete substrates.
- Primer for resin coatings on humid substrates.
- Humidity barrier for walls and floors in concrete, stones or bricks.
- Filler for little cracks.
- Primer for floors with tiles.

Substrate

The substrate must have a minimum resistance to compression of 25 N/mm² and to traction of 1,5 N/mm².

Preparation of the substrate

The substrate must be properly cleaned up or manually or mechanically to take away not adhered parts, dust or oils.

Application

Mix the two liquid ingredients (A+B), by adding the part B into the container of the part A; mix it with a mixing device for at least 2 minutes.



Then add to this mix (A+B) the hydrolytic binder and mix it with the mixing device for at least 1 minute. In order to have a good result add the powders little by little and keep mixing with a drill mixer.

When used as a primer dilute it with 10-15% in weight of water.

When applied by smoothing, add to the system A+B+C, previously diluted with 10-15% of water, the 60-70% of **QUARZO RESINATO B0** (0,04 mm-0,25 mm) or the 70-80% of **QUARZO RESINATO B1** (0,1-0,5 mm).

Apply it by American trowel, airless spray, roll or brush: for the airless spray application use nozzles with resistance to abrasion of 0,025" ÷ 0,029" with pressure of 150 ÷ 180 bar.

Technical Data

Colour	White, mat
Density	1,75 +/- 0,05 g/ml
Solids content	75% in weight
Pot – life	at 35°C and 50% U.R. > 25 minutes at 25°C and 50% U.R. 45 minutes at 10°C and 50% U.R. > 90 minutes
Tack free time	at 35°C and 50% U.R. 15-25 minutes at 25°C and 50% U.R. 25–35 minutes at 10°C and 50% U.R. 120 minutes
Time for resistance to water a 25°C e 50% U.R.	7–8 hours
Adhesion time to concrete	> 3,5 MPa
Consumption	as primer, 0,3-0,4 Kg/m ² on regular substrates, 0,6-0,8 Kg/m ² on not regular substrates For thin smoothing, 1 Kg of product added with 600-700 g of Quarzo B0 , consumption of 1-2 Kg/m ² For medium smoothing, 1 Kg of product added with 700-800 g of Quarzo B1 , consumption of 1-2 Kg/m ²
Ratio mixture between components	A=100 B=28 C=125
Flash point	Not applicable
Application conditions	Temperatures between 10°C and 35°C and U.R. < 75%
Advisable layers	Minimum one depending on the humidity of the substrate
Solvent to clean the tools	Water
Storage	6 months for product C 12 months for products A and B Keep it in a dry place at a temperature between 5°C and 35°C