ECOFONDO

THREE-COMPONENT EPOXY PRIMER WATER-BASED (A+B+C)

CE

DESCRIPTION

Three-component formulation based on water-based liquid epoxy resins and hydraulic binders, used as a base for surfaces, even wet and counterthrust, for the realization of breathable resinous cycles.

USE

Connecting layer and regularization of cement surfaces.

Base layer for resinous floor coverings in the presence of damp substrates.

Grouting of pitting and surface cracks.

Primer for tile supports.

SUPPORT

The substrate must have a minimum compressive strength of 25 N/mm^2 and a tensile strength of 1.5 N/mm^2.

PREPARATION OF THE SUPPORT

The support must be properly cleaned manually and / or mechanically in order to eliminate non-cohesive parts, encrustations, efflorescence, dust and grease.

Flooring must be treated mechanically, by sanding, shot peening or milling.

Surfaces tending to flour should be treated in advance with a recovery of PAVIWATER T68 diluted 1:3 with water, proceeding with fresh ECOFONDO on fresh.

APPLICATION

Prepare the mixture of the 2 liquid components (A+B) by pouring the contents of part B into the container of part A; mix with a drill for about 2 minutes.

Add the pre-dosed hydraulic binder to the mixture (A+B) and mix with a mixer drill for about 1 minute. To disperse the product optimally, it is necessary to pour the powders little by little, continuing to stir with the drill.

Dilute by weight by 15% with fresh, clean water and apply with an airless roller, brush or spray, for a consumption of 0.30 kg/m^2. For airless application we recommend the use of abrasion resistant nozzles 0.025" ÷ 0.029" with a pressure of 150÷180 bar.

ECOFONDO can also be applied by trowel. In this case, load the A+B+C system with 50% of QUARZO B1 and apply using a smooth American trowel, for an ECOFONDO consumption of about 0.50 kg/m^2.

In the presence of high humidity ECOFONDO can be applied in several stages (consult the Sivit Technical Service).

Warning: avoid preparing partial mixtures of the product in order not to incur accidental errors, which could lead to incomplete hardening.

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TECHNICAL SPECIFICATIONS

PRODUCT DATA	
Colour	White
Consumption: roller trowel	 0.300 kg/m^2 0,350 kg/m^2 of (A+B+C) + 0,175 kg/m^2 of QUARZO B1
Specific gravity (at 25 °C): mixture (A+B+C) mixture (A+B+C) loaded	 1,66 +/- 0,05 g/ml (diluted to 10%) 1,87 +/- 0,05 g/ml (diluted to 10%, with 50% QUARZO B1)
Viscosity (at 25°C): mixture (A+B+C) mixture (A+B+C) diluted mixture (A+B+C) loaded	 70,000 +/- 3,500 mPa·s (spindle 4, rpm 5) 57,000 +/- 3,000 mPa·s (diluted to 10%, spindle 3, rpm 1) 640,000 +/- 30,000 mPa·s (diluted to 10%, with 50% QUARZO B1, spindle 4, rpm 0,5)
Dry residue (A+B+C)	75% by weight
Flash point	None
Solvent for cleaning tools	Water
Storage	6 months for part C, 12 months for parts A and B, store in a dry place at a temperature between 5 °C and 35 °C
APPLICATION DATA AND TIMES	
Mixture ratio	by weight: A=100, B=28, C=125
Pot-life (50% R.H.)	at 10 °C > 90 min at 25 °C 45 min at 35 °C > 25 min
Dry to the touch (50% R.H.)	at 10 °C 120 min at 25 °C 25-35 min at 35 °C 15-25 min
Coverage (50% R.H.)	at 25 °C 24 to 36 hours
Insensitive to leaching (50% R.H.)	at 25 °C 7-8 hours

Environmental conditions of use	Temperatures between +10 °C and +35 °C and R.H. < 75%
PERFORMANCE TECHNICAL DATA	
Appearance	Matt white, rough
CE marking (reg. n. 305/2011)	Complies with EN1504-2. Coating (C) Principle (MC)
Pull Off Adhesion (EN 1542)	> 1,7 MPa
Water vapour transmission - permeability (UNI EN ISO 7783-2)	Sd=0,381 m (Class1)
Water permeability (EN 1062-2)	w < 0,1 kg/(h^{0,5}· m^2)

Product for professional use, the buyer undertakes to follow the above warnings in the application of the purchased product and the instructions in the safety data sheet.