WATERBORNE EPOXY COMPOUND

ECOFER® AUTOLIVELLANTE A+B+C

Epoxy mortar reinforced with steel granulates (a+b+c)

Water-based reinforced epoxy self-leveling for cover floors subject to heavy surface wear.

CE

Description

Three-component product:

A – water base amine resin

B - epoxy resin

C - pre-packaged based on post-treated metal granules and inorganic additives

The mortar allows to obtain coatings with high mechanical resistance, hardening in the presence of humidity and excellent permeability characteristics

Use

Industrial flooring with heavy surface wear.

Floors of warehouses and commercial premises subject to high transit.

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

Concrete bottoms. They must be solid, leveled, absorbent, not polluted by oils, dust or other substances. Check the most convenient type of mechanical preparation (abrasive, shot peening or milling) and then apply a shot of PAVIWATER T68. Oily surfaces must be deeply milled and treated by shaving with FLUIDEPOX (1 kg/m^2) loaded with QUARZO B0; on the product just applied, sprinkle QUARZO B2 when waste (2 kg/m^2). The same solution can be adopted to smooth out any irregularities of the substrate, such as the grooves left by milling, and to consolidate funds that do not guarantee solidity.

N.B.: with this treatment the breathability of the coating is reduced.
Tile bottoms should be shot peened, then treated with a shot of FONDO PER PIASTRELLE. Any tiles not anchored must be removed, restoring with ECOPAVIPLAST suitably loaded with QUARZO B3 (1 to 1 in weight).
Uneven surfaces can be flattened by shaving with ECOPAVIPLAST.

Application

Prepare separately the mixture of the 2 liquid components

(A+B), pouring the contents of part B into the container of part A, and then mix with a drill for about 2 minutes.

Add the powders 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.

Spread the product quickly.

Distribute with smooth doctor blade or american trowel, for a consumption of 0.5-1.0 kg/m2 for each shot.

Product for professional use. The purchaser undertakes to strictly follow the above warnings when applying the purchased product and the instructions in the safety data sheet.

Sivit S.r.l.
Via Centallo 57, 10156, Torino, Italia | P.I. - C.F. 01012820013 | C.C.I.A.A. N. 478878 | Reg. Soc. Tribunale Torino N. 305/74
Sistema di gestione conforme alle ISO 9001:2015 – ISO 14001:2015 – ISO 45001:2018
commerciale@sivit.it | sivitsrl@pec.it | +39 011 273 00 33 | www.sivit.it

Finish with PAVIWATER, for a consumption of 0.15 kg/m^2.

If ECOFER RASATURA It must be coated with non-breathable paints, wait 24 hours, to allow evaporation of water.

Technical specifications

PRODUCT DATA	
Colour	Cement grey or on request for quantities
Specific gravity (at 25 °C)	mixture (A+B): 2,9 +/- 0,1 g/ml (rif. RAL 7038)
Viscosity (at 25 °C)	mixture (A+B): 10,000 +/- 2,000 mPascal (spindle 3, rpm 5, ref. RAL 7038)
Dry residue	87.5% by weight (ref. RAL 7038)
Flash point	None
Solvent for cleaning tools	Water
Storage	Store in a dry and protected place at a temperature between 5 °C and 35 °C: 6 months for part C, 12 months for components A and B

APPLICATION DATA AND TIMING	
Mixture ratio	A=45, B=30, C=150
Pot-life (50% R.H.)	at 5 °C > 14 min at 25 °C 10 min at 30 °C > 7 min
Dry to the touch (50% R.H.)	at 5 °C 10-12 hours at 25 °C 3.5-4.5 hours at 30 °C 2-3 hours
Walkable (50% R.H.)	at 25 °C 12 hours
Environmental conditions of use	Temperatures between +5 °C and +30 °C

TECHNICAL PERFORMANCE DATA	
Compressive strength (UNI 4279)	65 N/mm^2 (hardening 7 days at 25 °C and 50% R.H.)
Bending strength (UNI 7219)	30 N/mm^2 (hardening 7 days at 25 °C and 50% R.H.)

Product for professional use. The purchaser undertakes to strictly follow the above warnings when applying the purchased product and the instructions in the safety data sheet.

Sivit S.r.l.
Via Centallo 57, 10156, Torino, Italia | P.I. - C.F. 01012820013 | C.C.I.A.A. N. 478878 | Reg. Soc. Tribunale Torino N. 305/74
Sistema di gestione conforme alle ISO 9001:2015 – ISO 14001:2015 – ISO 45001:2018
commerciale@sivit.it | sivitsrl@pec.it | +39 011 273 00 33 | www.sivit.it