

ECOFER HB (High Build)

Epoxy mortar reinforced with steel granulates (A+B+C)

Description

Three pack product

- A – waterborne amine resin
- B – epoxy resin
- C – compound based on steel granulates and inorganic additives

This mortar gives coatings with high mechanical resistances.

Hardening in presence of humidity and excellent permeability properties.

Usages

Industrial floors coatings with high superficial wear.

Storages and warehouses floors, with intensive traffic.

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

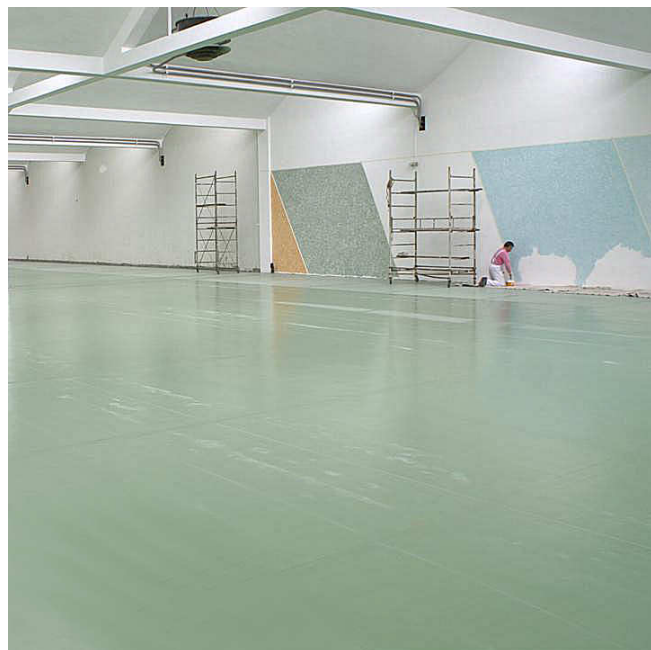
• Concrete substrate must be solid, leveled, absorbent, not polluted by oils, dust or any other substances.

Choose the most convenient mechanical preparation (abrasion, shot-blasting or grinding) and then apply one layer of **PAVIWATER T68**.

• Oily surfaces have to be deeply milled and then smoothed with a layer of **FLUIDEPOX** added with **QUARZO B0**; when still fresh seed **QUARZO B2** till saturation.

The same solution can be used to level eventual areas not uniform of the substrate and to consolidate substrates without guaranty or solidity. This treatment reduces the transpirability of the coating.

• Substrates with tiles have to be shot-blasted, then treated with a layer of **FONDO FLEX**.



Remove eventual tiles not properly adherent and refill with **ECOPAVIPLAST** added with **Quarzo B3** (1 to 1 in weight). Irregular surfaces have to be flatted by applying **ECOPAVIPLAST** or **COMPOUND 3K**.

Application

Put the product B into the container of the product A, and carefully mix them with a drill mixer.

Then add to the mixture A + B the powders (part C) and mix with a drill mixer. In order to have a proper mixture, add the powers slowly by keeping mixing with the drill mixer. Apply the product quickly.

For thickness higher than 2 mm, for a consumption of 5 kg/m², apply it with a trowel, unifying the surface with a spiked roller.

Finish the surface with 1 or 2 layers of **PAVIWATER**, for a consumption of 0,15-0,25 kg/m². When **ECOFER HB** have to be coated with non-transpirant mortars or coating, it is necessary to wait one day (with a temperature of 22°C) for each millimeter of thickness in order to allow the complete evaporation of the water.

Technical Data

Color	Grey cement or tailor-made on request
Density (ref. RAL 7038)	2,9 +/- 0,1 g/ml
Solid content (ref. RAL 7038)	87,5% in weight
Viscosity at 25°C (ref. RAL 7038)	10000 +/- 2000 mPascal (Spindle 3, rpm 5)
Self-leveling time	> 7 minutes (at 30°C) 10 minutes (at 25°C) > 14 minutes (at 5°C)
Tack free time at 30°C and 50% U.R.	2-3 hours
at 25°C and 50% U.R.	3,5-4,5 hours
at 5°C and 50% U.R.	10-12 hours
Consumption	5,5 kg/m ² for 2 mm of thickness
Ratio between compounds	A=45 B=30 C=150
Flash point	Not applicable
Walk-on time at 25°C and 50% U.R.	12 hours
Application conditions	Temperatures between 5°C and 30°C
Compression strength (UNI 4279)	65 N/mm ² (hardening 7 days at 25°C and 50% U.R.)
Flexion resistance (UNI 7219)	30 N/mm ² (hardening 7 days at 25°C and 50% U.R.)
Solvent to clean the tools	Water
Storage	6 months for part C, 12 months for parts A and B. Keep it in a dry place at a temperature between 5°C and 35°C