RESIN FLOORING TECHNOLOGY
IMPERMEABLE COATING

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TECHNICAL DATA SHEET
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WATERBORNE EPOXY COMPOUND

ECOFER LB (Low Build)

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

Description

3 component product:

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

The mortar gives coverings with very high mechanical resistance.
Hardening in presence of humidity and excellent permeability.

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/mm^2 and to traction of 1,5 N/mm^2.

Preparation of the substrate

Concrete substrate have to 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 grinded and then treated 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 not regular areas from the substrate, and to consolidate those substrates with no guaranties of stability.
N.B.: with this treatment the transpirability of the coating is reduced.

•Substrates with tiles have to be strongly grinded till the surface is mat and then apply one layer of **FONDOFLEX**

Remove eventual not properly stuck tiles and fill the hole with **ECOPAVIPLAST** added with **Quarzo B3** (1 to 1 in weight). Not regular surfaces can be regularized with **ECOPAVIPLAST** or **COMPOUND 3K.**

Application

Put the compound B into the container of product A, and then mix them with a drill mixer for at least 2 minutes. Add then to this mixture the powders, and mix for at least one minute. In order to have a good mixture, add the powders slowly and by keeping mixing with a drill mixer. Apply it quickly by an American trowel, for a consumption of 0,5-1,0 kg/sqm by each layer.
Finish with **PAVIWATER**, for a consumption of 0,150 kg/m^2. When **ECOFER LB** has to be coated with non transpirant paints, wait at least for 24 hours in order to allow the water to evaporate.

Technical Data

Color		grey as concrete or tailor-made on request
Density (ref. RAL 6021)		2,5 +/- 0,1 g/ml
Solid content (ref. RAL 6021)		84,3% in weight
Viscosity at 25°C (ref. RAL 6021)		4000 +/- 800 mPascal (Spindle 3, rpm 5)
Pot – life	at 30°C	> 10 minutes
	at 25°C	15 minutes
	at 5°C	> 25 minutes
Tack free time	at 30°C and 50% U.R.	1-2 hours
	at 25°C and 50% U.R.	2–3 hours
	at 5°C and 50% U.R.	5,5-7,5 hours
Consumption		0,2-1,0 kg/m^2 by each layer
Ratio between ingredients		A=45 B=30 C=100
Flash point		Not applicable
Walk-on time	at 25°C and 50% U.R.	8 hours
Application conditions		Temperatures between 5°C and 30°C
Resistance to compression (UNI 4279)		55 N/mm^2 (hardening 7 days at 25°C and 50% U.R.)
Resistance to flexion (UNI 7219)		25 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 of 5°C and 35°C

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For the application of this product, the buyer engages to strictly follow what is indicated in this Technical Data Sheet and in the related Material Safety Data