RESIN FLOORING TECHNOLOGY
IMPERMEABLE COATING

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TECHNICAL DATA SHEET
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PAVIRESISTANT

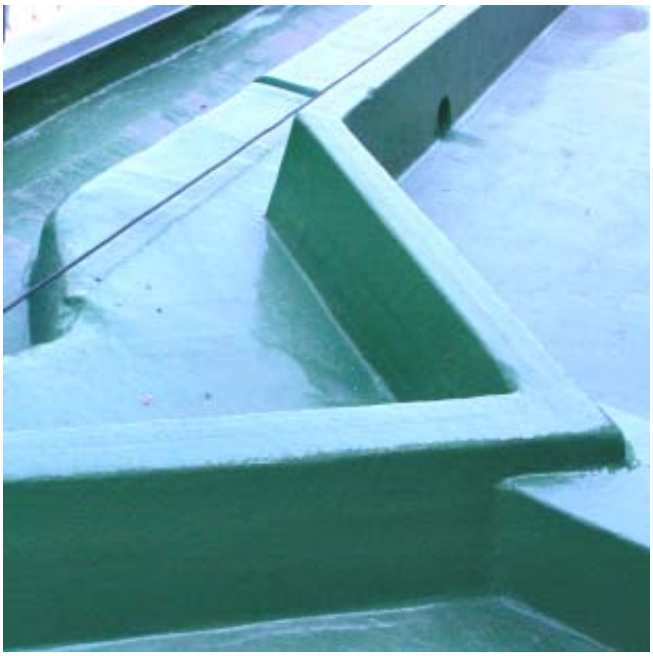
Epoxy product for coatings resistant to chemical substances (A+B)

CHEMICAL RESISTANT COVERING

Description

2 Component system based on epoxy resins combined with cyclo-aliphatic amine hardeners.

With 100% of solid content, the coating is suitable and resistant against contact with aggressive chemical substances



Usages

Industrial floors.

Floors for hospitals and laboratories.

Waterproof coating in channels and reservoirs.

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 have to be solid, dry (when newly done, the seasoning time have to be respected), leveled, absorbent, not polluted by oils, cleaners, dust or any other substance.
- Choose the most convenient mechanical preparation (abrasion, shot-blasting or grinding) then apply one layer of **FLUIDEPOX**.
- Eventual holes or scratches have to be repaired with **PAVIRAPID**.
- Metallic surfaces have to be carefully degreased and eventual residues have to be removed.

Application

At the moment of the application put the two compounds in one container and mix them carefully with a drill mixer.

Apply the product quickly. Do not use the product which sticks to the sides or bottom of the container, as it could not be perfectly mixed.

To fill eventual holes, or for self-leveling coatings with thickness higher than 2 mm, add spheroidal quartz to the mixture of the two compounds in the quantity of 0,5 kg/sqm for 1 kg of **PAVIRESISTANT**.

For self-leveling coatings, apply the product with a trowel. Uniform the surface with a spiked roller.

When applied by roller, dilute with Solvent UNI: not more than the 5% on the quantity of product.

Technical Data

Color		RAL 7038 or tailor-made, for batches of min. 200 kg
Density		1,28 +/- 0,05 g/ml
Viscosity	at 25°	4000 +/- 800 mPascal (Spindle 2, rpm6)
Pot-life	at 30°C	> 10 minutes
	at 25°C	17 minutes
	at 15°C	> 30 minutes
Tack free time	at 30°C and 50% U.R.	1-2 hours
	at 25°C and 50% U.R.	2-3 hours, for low thickness
	at 15°C and 50% U.R.	10-12 hours
Ratio mixture in weight		A=100 B=25,2
Walk-on time	at 25°C and 50% U.R.	10 hours
Over-coat time	at 25°C and 50% U.R.	min. 6 hours and max. 24 hours
Transit-on time	at 25°C and 50% U.R.	20 hours
Flash point		> 100°C
Application conditions (*)		Temperatures between 15°C and 30°C, U.R. < 50% and humidity of the substrate less than 4%
Compression strength (UNI 4279)		65 N/mm^2
Flexion resistance (UNI 7219)		50 N/mm^2
Traction resistance (ASTM D 638)		35 N/mm^2
Abrasion resistance (TABER grinder CS-17-1000 rounds – 1000 g in weight) UNI 8298-9		< 60 mg
Hardness (ASTM D 2240)		80 Shore D
Solvent to clean the tools		Solvent UNI
Storage		12 months. Keep it in a dry place at a temperature between 15°C and 35°C
Chemical resistance		Excellent towards several different chemical agents. Consult the table for chemical resistances.
Maintenance		Neutral cleaners.

(*) **PAVIRESISTANT** when applied at temperatures of the substrate <15°C, and when in contact with water or with waterborne product could form white marks. This defect of chemical resistance is due to incomplete crosslinking.

Therefor, **PAVIRESISTANT** have to be applied at a temperature of the substrate not <15°C and at least >3°C of the dew temperature

CAUTION:

The coatings of **PAVIRESISTANT**, when under direct sunlight, can change color with tendency to yellow or become less bright; this does not compromise the performances of the coating in any way.

Few differences can be possible in between different batches of the same color.

When possible, use products from the same batch.

For applications at low temperatures it is possible to warm the product up to 25°C to make the application easier (less viscosity). direct sunlight, can change color with tendency to yellow or become less bright; this does not compromise the performances of the coating in any way

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