RESIN FLOORING TECHNOLOGY
IMPERMEABLE COATING

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TECHNICAL DATA SHEET
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ANTI-STATIC COVERINGS

CONDUPLAST

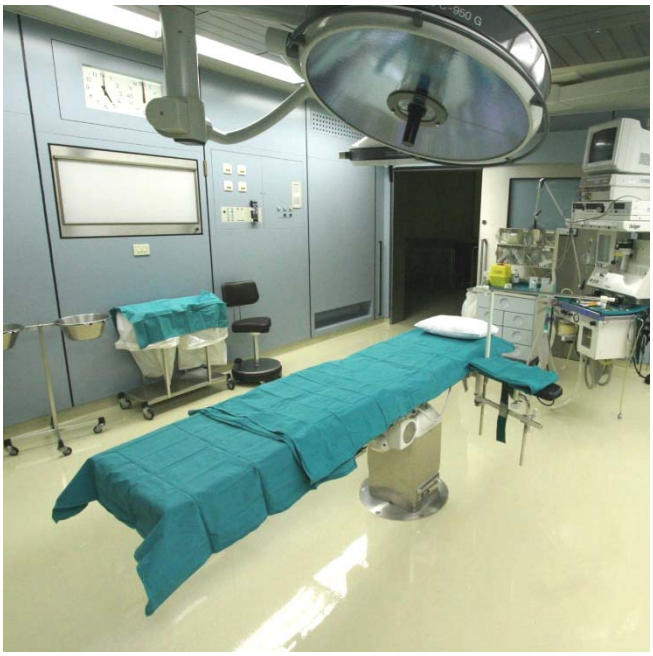
Anti-static self-leveling resin (A+B)

Description

Product based on epoxy resins, amine hardeners and carbon fibers.

The mechanical resistance values are increased compared to the products containing graphite.

All the colours are available.



Usages

Floor coatings for

Automatic warehouses

Storages for flammable products, Surgery wards

Electronics industry

And everywhere necessary to limit the electro-static discharges.

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

•When the substrate is on concrete, check that no humidity from the ground is present. When brand newly done, respect the seasoning time.

• The surface has to be solid, absorbent, and not polluted by oils, surfactants, water or dust. Eventual not properly adhered parts have to be removed by grinding or shot-blasting

Application

Apply one layer of **PAVIWATER T68** diluted with 1:3 of water.

Fill eventual holes or cracks with a mixture of **CONDUPLAST** and **QUARZO** in the ratio in weight of 1 to 4.

To execute the coating, prepare the mortar by adding the 2 compounds (A+B) in one container and by mixing them with a drill mixer.

Add then **QUARZO B0** in the ratio in weight of 1 to 0,5 and carefully mix it.

Apply it by trowel and for a thickness of 2-3 mm, and using as final operation a spiked roller to take away bubbles.

Technical Data

Color		Following RAL card
Density		1,2 +/- 0,05 g/ml
Pot–life	at 35°C	> 20 minutes
	at 25°C	30 minutes
	at 15°C	> 40 minutes
Tack free time	at 35°C	2-3 hours
	at 25°C	5–7 hours
	at 15°C	10-12 hours
Consumption		2,3 kg/m^2 di (A+B) e 1,6 kg/m^2 of quartz for a thickness of 2,5 mm
Ratio mixture between compounds		A=100 B=40
Flash point		Not applicable
Walk-on free time	at 25°C	16 hours
Hardening in depth	at 25°C	7 days
Humidity of the substrate		<4%
Application conditions (*)		Temperatures between 15°C and 35°C e U.R. < 50% and humidity of the substrate < 4%
Resistance to compression (UNI 4279)		60 N/mm^2
Resistance to flexion (UNI 7219)		59 N/mm^2
Resistance to traction (ASTM D 638)		40 N/mm^2
Hardness (ASTM D 2240)		78 Shore D
Transversal electrical resistance		0,01–0,2 Mega Ohm through the coating
Storage		12 months in a dry and protected area, at a temperature between 5°C and 35°C
Chemical resistances		Excellent against water, oils, alkaline solutions, hydrocarbons and solvents. Good against diluted acids
Adhesion (DIN ISO 4624)		> 1,5 N/sqm
Linear thermic dilatation coefficient		20x10^{-6}°C^{-1}
Maintenance		Neutral cleaners
Resistance to abrasion (TABER Grinder CS-17-1000 rounds – 1000 g in weight) UNI 8298-9		70-80 mg

(*) **CONDUPLAST,** when applied at a temperature from the substrate <15°C might form white marks when in contact with water or waterborne substances.

Therefore, **CONDUPLAST** have to be applied at a temperature of the substrate not lower than 15°C and of at least 3°C higher than the dew point.

WARNINGS:

CONDUPLAST coverings, when in direct exposition to sunlight, can slightly vary the color by becoming yellowish; this does not affect in any way their performances.

Different batches from the same colour can show few differences: when possible, use material from the same production batch.

For low temperature applications, the product can be warmed up to 25°C to facilitate the application (lower viscosity).

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