RESIN FLOORING TECHNOLOGY
IMPERMEABLE COATING

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TECHNICAL DATA SHEET
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SUPERCONDUPLAST

Primer for anti-static covering (A+B)

ANTI-STATIC COVERINGS

Description

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

The mechanical resistance is then increased (in the systems containing graphite, it decreases).

It dissipates the electro-static charges not only through the thickness but also through the surface.

Usages

Primer for anti-static resin floor coatings.

Electrically insulated resin floors can also be made anti-static.

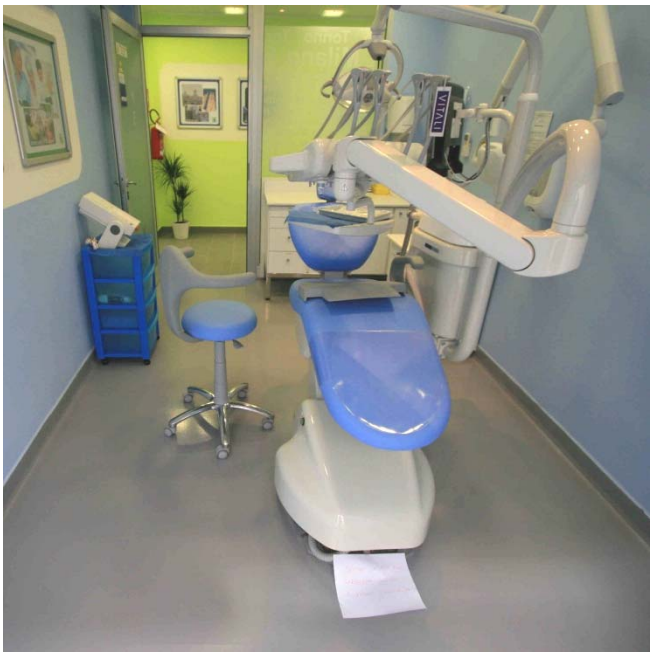
Substrates

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

•On concrete substrates it is necessary to assure that no humidity from the ground-up is present. When newly built it is necessary to wait for the seasoning time.

•The substrate has to be solids, absorbent, and not polluted by oils, surfactants, water or dust. Eventual parts not properly adhered have to be removed. As mechanical preparation it is advisable the shot-blasting.



Application

Apply one layer of **PAVIWATER T68** diluted with 1 to 3 with water. Consumption of 50 g/sqm of A+B.

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

Add **QUARZO B0** (20-30%) and mix till having an homogeneous mixture.

Apply one layer by American trowel for a consumption of 0,350 kg of A+B.

Coat the **SUPERCONDUPLAST** with the proper product as indicated in the anti-static cycle you have to realize.

Technical Data

Color		Black or following RAL card (due to high carbon fibers content, the final RAL colour might not be perfect RAL)
Density (ref. RAL 7038)		1,1-1,2 g/ml (at 25°C)
Solid content		100%
Viscosity (ref. RAL 7038)	at 25°C	1050 +/- 200 mPascal (spindle1, rpm 5)
Pot–life	at 35°C	> 20 minutes
	at 25°C	30 minutes
	at 10°C	> 40 minutes
Tack free time	at 35°C	2-3 hours
	at 25°C	5–7 hours
	at 10°C	12-14 hours
Ratio in weight between compounds		A=100 B=50
Walk-on time	at 25°C	16 hours
Hardening in depth	at 25°C	7 days
Humidity of the substrate		< 4%
Application conditions		Temperatures between 10°C and 35°C
Resistance to compression (UNI 4279)		60 N/mm^2
Resistance to flexion (UNI 7219)		50 N/mm^2
Resistance to traction (ASTM D 638)		35N/mm^2
Hardening (ASTM D 2240)		80 Shore D
Electrical resistance point by point		0,01–0,15 Mega Ohm
Solvent to clean the tools		Solvent UNI
Storage		12 months in a dry and protected place at a temperature between 5°C and 35°C
Chemical resistance		Excellent resistance to oil, alkaline solutions, hydrocarbons, water and solvents. Medium resistance to diluted acids.
Adhesion (DIN ISO 4624)		> 1,5 N/sqm
Linear thermic dilatation coefficient		20x10-6 °C-1

(*) **SUPERCONDUPLAST** have to be applied at a temperature of the substrate not less than15°C and of at least 3°C higher than the dew point.

WARNINGS:

For low temperatures applications the material 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

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