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# Technical Sheet

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## CONDUPLAST

Antistatic self-levelling mortar

### Uses

Floor coverings for the wired transit. Floor coverings for warehouses of flammable goods, surgery rooms and for any place where it is necessary to limit the accumulation of electrostatic charge.

### Description

Formula basis: epoxy resins, amino hardeners and carbon fibres.  
The mechanical resistance values not only do not go down (as it occurs in the bearing system graffite but they go up.  
Dyes upon request.

#### Substrate preparation and uses:

- Working on concrete, must verify to have no humidity. Green concrete must be completely ageing (28 days)
- The surface must to be solid, free from oil, soap, water or dust. Grinding or shot peening are suggested.
- Apply one hand of CONDUPLAST PRIMER, charged with 50% of quartz sand.
- Holes or any anomalies could be repaired using a mortar prepared with Conduplast (A+B) and quartz sand, using a ratio of 1 to 4.
- For the realization of the coating it's necessary to prepare the mortar mixing together the two component using a mixing drill. Then add quartz sand (0,06-0,2 mm.) with a ratio of 1 : 0.7, then mix again. The application must to be done with a trowel, then spiked roller must be used to facilitate the levelling

#### **Technical data:**

Colours:	all Ral colours.
Weight density :	1,2± 0,05 g/ml at 25°C
Hardening 25°C:	Pot life 30'
	Tack free 5-7 hours
	Walkable 16 hours
	Full hardening 7 days
Mixing ratio in weight:	A= 100 B= 40
Substrate humidity:	less than 4 %
Application temperature:	min.+ 5 °C - max + 35°C
Consumption for 2,5 mm thickness:	2,3 kg of Conduplast (A+B) and 1,6 kg of quartz
Electrical resistance through the thickness:	0,01-0,1 Mega Ohm
Compressive strenght (UNI 4270):	60 N/mm <sup>2</sup>
Tensile strengt (ASTM D638):	40 N/mm <sup>2</sup>
Flexural strenght (UNI 7219)	59 N/mm <sup>2</sup>
Hardness (ASTM D2240)	78 Shore D
Chemical resistences	Very good to water, oil, basic solution, hydrocarbons and solvent. Good to weak acids.
Storage life :	12 month in dry warehouse with a temperature between 5° and 35°C.

The purchaser undertakes the responsibility of respecting all the warnings stated above regarding the application of the product purchased and the instructions of the material safety data sheet.