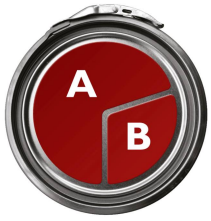
SUPERCONDUPLAST

STATIC-DISSIPATIVE EPOXY FORMULATION
(A+B)



DESCRIPTION

Formulated based on epoxy resins, amine hardeners and carbon fibers.The mechanical resistance values are increased thanks to the Carbon Fibers contained in the formulation. It dissipates electrostatic charges not only through thickness, but also through the surface.

USE

First layer in the realization of antistatic resinous floors. It makes it possible to make even electrically insulated resinous floors antistatic.

SUPPORT

Il sottofondo deve possedere una resistenza minima alla compressione di 25 N/mm^2 e a trazione di 1,5 N/mm^2.

PREPARATION OF THE SUPPORT

Working on concrete substrates, it is necessary to verify that there are no rises in humidity. If the concrete is newly built, you will have to wait for the complete maturation.

The surface must be solid, absorbent and free from the presence of oils, surfactants, water, dust. Any inconsistent parts will have to be removed. We recommend preparation by grinding or shot peening.

APPLICATION

Apply a recovery of PAVIWATER T68 diluted 1 to 3 with water, for a consumption of 50 g/m^2.

At the time of application, combine part A and part B of SUPERCONDUPLAST in a single container and mix carefully for 2 minutes using appropriate equipment (propeller drill).

Add QUARZO B0 (20-30%) and mix until a homogeneous mortar is obtained.

Quickly use the entire contents of the container. When emptying the container avoid scraping the edges and the bottom, as there may be some product not perfectly blended.

Apply a recovery by scratching to zero with an American trowel for a consumption of about 0.350 kg/m^2 of A+ B.

Cover the SUPERCONDUPLAST with the products provided by the antistatic cycle to be realized.

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TECHNICAL SPECIFICATIONS

PRODUCT DATA	
Colour	Black
Consumption	0,35 kg/m^2 of (A+B) + 0,10 kg/m^2 of QUARZO B0
Specific gravity (at 25 °C): mixture (A+B)	 1,15 +/- 0,05 g/ml
Viscosity (at 25°C): mixture (A+B) mixture (A+B) with 30% QUARZO B0	 3.000 mPa·s (spindle 3, rpm 20) 5.000 mPa·s (spindle 3, rpm 12)
Dry residue (A+B)	100%
VOC ready to use (Legislative Decree 161/06)	< 200 g/l Cat.A/j. High performance two-component paint (BS).
Solvent for cleaning tools	UNI Solvent
Storage	12 months, store in a dry place at a temperature between 5°C and 35°C
APPLICATION DATA AND TIMES	
Mixture ratio	by weight: A=100, B=50
Pot-life (50% R.H.)	at 15 °C > 40 min at 25 °C 30 min at 35 °C > 20 min
Dry to the touch (50% R.H.)	at 15 °C 12-14 hours at 25 °C 5-7 hours at 35 °C 2-3 hours
Walkable (50% R.H.)	at 25 °C 16 hours
Hardening in depth (50% R.H.)	at 25 °C 7 days

Environmental conditions of use	Temperatures between +10°C and +35°C
Surface temperature	>= 15 °C and at least 3 °C above the condensation temperature. Humidity < 4% verified with carbide hygrometer.
PERFORMANCE TECHNICAL DATA	
Appearance	Dark surface strongly fiberbed
Compressive strength (UNI 4279)	60 N/mm^2
Bending strength (UNI 7219)	50 N/mm^2
Tensile strength (ASTM D 638)	35 N/mm^2
Hardness (ASTM D 2240)	80 Shore D
Linear thermal expansion coefficient	20 x10^{-6} °C^{-1}
Chemical resistance	Excellent water, oils, alkaline solutions, hydrocarbons and solvents. Good at dilute acids.
Point-to-point surface resistivity (UNI EN1081)	1,7·10^4 Ω
CE marking (reg. n. 305/2011)	Complies with EN13813:2004. Synthetic resin-based screed materials for use inside buildings.
BCA resistance (EN 13892-4)	AR 0,5
Impact resistance (EN 6272-1)	IR 5
Adhesion force (EN 13892-8)	1,5 N/mm^2

WARNINGS

Due to the high concentration of carbon fibers in the formulation it is not possible to faithfully reproduce some colors, especially light colors.

For low temperature applications, the material can be heated to 25 °C for easy application and catalysis (viscosity decrease).

Product for professional use, the buyer undertakes to follow the above warnings in the application of the purchased product and the instructions in the safety data sheet.