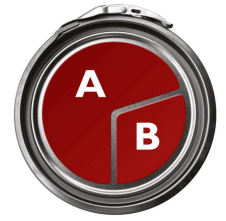


CONDUPLAST

SELF-LEVELING COLOURED STATIC-
DISSIPATIVE EPOXY (A+B)



DESCRIPTION

Two-component product based on epoxy resins in combination with cycloaliphatic amine hardeners and carbon fibers, for the realization of self-leveling coatings and shaving. The mechanical resistance values are increased thanks to the Carbon Fibers contained in the formulation. Colors can be made on request. The abundance and length of the fibers provide guarantees of conductive continuity of the applied layer even in the presence of irregularities of the substrate.

USE

Electronic companies and wherever devices sensitive to electrostatic charges are manufactured or assembled (ref. ANSI/ESD STM 97.1 / 97.2 and IEC 61340-4-1). Floor coverings subject to the transit of wire-guided trolleys. Atex environments, Class II. Operating theatres and wherever the accumulation of electrostatic charges must be limited.

SUPPORT

The substrate must have a minimum compressive strength of 25 N/mm² and a tensile strength of 1,5 N/mm².

PREPARATION OF THE SUPPORT

Evaluate the most convenient type of mechanical preparation (sanding, shot peening or milling) and then apply SUPERCONDUPLAST.

Any holes or anomalies can be leveled by preparing a mortar with CONDUPLAST e QUARTZ mixed in weight ratio 1 to 4. Tiled floors should be sanded or shot blasted to a completely opaque surface, then apply one or more shots of SUPERCONDUPLAST.

Do not apply CONDUPLAST on damp supports or subjected to capillary rising damp (in case, contact the Svit Technical Service). The humidity of the substrate should not exceed 4%.

APPLICATION

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

Use in Self-Leveling Systems

After mixing the two components, add QUARZO B0 (0.7 kg per 1 kg of A+B) and stir. On the product just applied, pass the breaker roller with slow and regular movements to even out the surface. The consumption per 2.5 mm thickness is 2.0 kg/m² of (A+B) and 1.4 kg/m² of QUARZO B0.

Use in Trim System

After mixing the two components, add QUARZO B0 and stir again. The amount of aggregate to be added is 0.3 kg per 1 kg of A+B. Spread the product with fan-shaped movements, taking care not to leave excess material. The consumption for each shoot is 0.35 kg/m² of (A+B) and 0.10 kg/m² of QUARZO B0.

TECHNICAL SPECIFICATIONS

PRODUCT DATA	
Colour	On request second RAL folder (always check in advance the feasibility of the color with Svit Technical Assistance)
Consumption	to shave: 0,35 kg/m ² of (A+B) and 0,10 kg/m ² of QUARZO B0 as self-leveling: 2.0 kg/m ² of (A+B) and 1.4 kg/m ² of QUARZO B0 (for 2.5 mm thickness)
Specific gravity (at 25 °C): mixture (A+B)	1,20 +/- 0,05 g/ml
Viscosity (at 25°C): mixture (A+B) mixture (A+B) with 30% QUARZO B0 mixture (A+B) with 70% QUARZO B0	900 mPa·s (spindle 3, rpm 60) 2.000 mPa·s (spindle 3, rpm 30) 5.000 mPa·s (spindle 4, rpm 50)
Dry residue (A+B)	> 97%
VOC ready to use (Legislative Decree 161/06)	< 200 g/l Cat.A/j. High performance two-component paint (BS).
Flash point	None
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=40
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 10-12 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 +15°C and +35°C, R.H. < 50% and media humidity < 4% (*)
Surface temperature	>= 15°C and at least 3°C above the condensation temperature. Humidity < 4% verified with carbide hygrometer.
Coating maintenance	For cleaning operations use neutral detergents
PERFORMANCE TECHNICAL DATA	
Abrasion resistance UNI 8298-9	70-80 mg (TABER Mola CS-17-1000 rpm - 1000 g weight)
Compressive strength (UNI 4279)	60 N/mm ²
Bending strength (UNI 7219)	59 N/mm ²
Tensile strength (ASTM D 638)	40 N/mm ²
Hardness (ASTM D 2240)	78 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.
Transverse electrical resistance	2,7·10 ⁵ 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 1 (61µm)
Impact resistance (EN 6272-1)	>24,5 Nm
Adhesion force (EN 13892-8)	2,31 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.

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.