

CONDUPLAST W

Epoxy waterborne self-leveling / anti-static product (A+B)

Description

2 Component product:

- Component A – Waterborne amine resin, added with carbon fibers
- Component B – Waterborne epoxy resin

This product gives static-dissipative coatings which can disperse the electro-static charges. Cures also in presence of humidity and it is very permeable. mat, anti-slip and easy to be cleaned.

Uses

Floor coatings for

Automatic warehouses

Storages for flammable products,
Surgery wards

Electronics industry

And everywhere necessary to limit the electro-static discharges.

Preparation of the substrate

- Concrete substrate have to be solids, leveled, absorbent, not polluted by oils, dust or any other substances. Choose the most convenient mechanical preparation (shot-blasting or grinding).

On dry surfaces apply one layer of **PAVIWATER T68** for a consumption of 50 g/sqm.

On porous and/or humid surfaces apply two layers of **CONDUPLAST W**, the first layer added with 1:0,1 of **QUARTZ B1**, for a consumption of 0,500 Kg/sqm of A+B+C, and the second layer added with 1:0,1 of **QUARTZ B0**, for a consumption of 0,300 Kg/sqm of A+B+C.



- Substrates with tiles have to be strongly shot-peened. Remove not stuck tiles and fill the empty space with **PAVIRAPID**.

- Apply first the net (gr 100) and then the **CONDUPLAST W**, diluted with 10% of water, for a consumption of 1,1 Kg/sqm.

- Apply other two layers of **CONDUPLAST W** as indicated for the concrete substrate.

Application

Mix the liquid components (A+B), by adding the product B in the product A and mix it with drill mixer. Apply quickly by trowel. In order to uniform the surface and take away bubbles, use the spiked roller.

For a more bright finishing, apply **COATING ESD** and **PAVIWATER ANTISTATICO** as top-coating.

Technical Data

Colour	Neutral or following RAL table
Aspect	Opaque
Density (ref. RAL 7038)	2,0 +/- 0,1 g/ml
Solid content (ref. RAL 7038)	87,5% in weight
Viscosity (ref. RAL 7038)	2400 +/- 500 mPascal at 25°C and 50% U.R. (Spindle 2, rpm 12)
Pot-life	at 30°C and 50% U.R. > 20 minutes
	at 25°C and 50% U.R. 30 minutes
	at 10°C and 50% U.R. > 50 minutes
Touch free time	at 30°C and 50% U.R. 3-5 hours
	at 25°C and 50% U.R. 6-8 hours
	at 10°C and 50% U.R. 20-24 hours
Consumption	4,0 kg/m ² for 2 mm of thickness
Ratio Mixture/weight	A=100 B=14,7
Flash point	Not applicable
Walk-on time	at 25°C and 50% U.R. 12 hours
Overcoat time	at 25°C and 50% U.R. 18 hours
Hardening in depth	7 days
Application conditions	Temperatures between 10°C and 30°C and U.R. < 70%
Compression Strength (UNI 4279)	35 N/mm ²
Hardness (ASTM D 2240)	> 80 Shore D
Resistance to abrasion (UNI 8298)	< 100 mg
	spring CS-17-1000 rounds-1000 g
Electrical oblique resistance	0,01 – 0,25 Mega Ohm through the coating
Solvent to clean the tools	Water
Storage	12 months (for products A and B) in a dry and protected place, at a temperature between 5°C and 35°C

CAUTION:

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

Some colours from organic pigments (reds, blues, greens, dark yellows, ...) have the tendency of losing colour when abraded (either on dry or on humid). In such a case it is advisable to protect the colour with a layer of transparent Top Coating.