

SMALTURA ESD

Waterborne anti-static coating

Description

Coloured 1 component product based on a waterborne acrylic-polyurethane copolymer. Inside the formula there is a conductive pigment with low refraction index, which allows to have a film which provide superficial conductivity.

SMALTURA ESD, is one of the unique products on the market which can be formulated in any colour. Its superficial resistance is independent from the ambient humidity (permanent resistance).

The film is mat and with a good adhesion on different types of materials (plastics, aluminum, zinc steel, etc.).

SMALTURA ESD can be used pure or in combination with **PAVIWATER**

ANTISTATICO when a satin-glossy coating is requested.

The film can dissipate the electro-static charges.

Usages

- Warehouses and working-places for paints and explosives
- Rooms where powders are produced
- Textile industries
- Operating rooms in hospitals
- Warehouses with robots
- Production of phones, sounds/video, PC
- Painting of coatings in polymeric material which contain electronic materials (computers, phones, ...)
- Coating of metallic structures, trying not to isolate the surface totally (aluminum, zinc steel, inox ...)



Preparation of the substrate

On resin substrates : grind the surface in order to facilitate the adhesion.

On concrete substrates : apply one layer of **PAVIWATER T68** diluted 1 to 3 with water to fill the porosity of the primer (the consumption is around 50 gr/sqm of A+B).

When necessary level the surface with the mortar listed in our brochures.

Application

On electrically insulated surfaces, set-up earthlings by inserting in each square of the floor (more or less every 20 sqm) a piece in aluminum, or by making holes in the floor and filling them with conductive putty.

Apply then the product by roller or brush for a consumption of 80 gr/sqm.

For a more glossy and resistant to transit surface, apply one layer of **PAVIWATER ANTISTATICO**, for a consumption of 90 gr/sqm.

Technical Data

Color		Following RAL card
Density (ref. White)	at 25°C	1,250 +/- 0,05 g/ml
Solid content (ref. White)		51,5% in weight and 29,3% in volume
Viscosity (ref. RAL White)	at 25°C	1700 +/- 350 mPascal (Spindle 2, rpm 12)
Tack free time	at 30°C and 50% U.R.	5-15 minutes
	at 25°C and 50% U.R.	15-25 minutes
	at 10°C and 50% U.R.	25-35 minutes
Consumption		0,080 kg/sqm for a dry film of 30 micron
Flash point		Not applicable
Overcoat	at 25°C and 50% U.R.	min. 6 hours and max. 36 hours
Hardening in depth		7 days
	at 25°C and 50% U.R.	
Application conditions		Temperatures between 10°C and 30°C and U.R. < 70%
Electrical resistance point by point		0,02-0,2 MΩ for a dry film of 30 micron
Solvent to clean the tools		Water (liquid material) Alcohol (just after filmation)
Storage		12 months. Keep it in a dry place at a temperature between 5°C and 35°C