

MAT STATIC-DISSIPATIVE

STATIC-DISSIPATIVE SCREED COATING ABLE TO DISSIPATE THE ELECTROSTATIC CHARGES

SUBSTRATE PREPARATION

Concrete substrates must be solid, dry, level, absorbent, not polluted by oils, detergents, dust or other substances.

For newly made screeds, the normal curing time must be respected.

Evaluate the most convenient type of mechanical preparation: sanding, shot peening or milling.

Since it is a non-breathable cycle, the existence of a vapor barrier must be verified and in any case there must be no rising humidity.

Grounding of the concrete must also be provided, in order to guarantee a resistance between 10,000 and 100,000 Ohm.

APPLICATION

- 1 • Apply a layer of **FLUIDEPOX** with a roller (0.50-0.80 kg/m²).
- 2 • Distribute, fresh on fresh, the mortar made up of **FLUIDEPOX** and **Quartz** (in the **Mix1-Mix3 grain size curve**) prepared in a special mixer (with a ratio of 1 to 15). Distribute the mortar on the floor with a rake and ruler for a consumption of approximately 10.4 kg/m² (0.65 kg/m² of **FLUIDEPOX** and 9.75 kg/m² of **Quartz**). Compact with a trowel with rotating blades.
- 3 • Smooth out and saturate the porosities with 1.0 kg/m² of **FLUIDEPOX**. For the application, use the smooth American trowel.
- 4 • Prepare earthing points using copper strips placed nearby to the electrical boxes. Evaluate the need to carry out the tessellation of grounding. Smooth with a smooth trowel with **SUPERCONDUPLAST**, loaded with 30% **Quartz B0** (**SUPERCONDUPLAST** consumption 0.40 kg/m²).
- 5 • Smooth with a smooth trowel with **CONDUPLAST**, loaded with 30% **Quartz B0**, for a **CONDUPLAST** consumption of 0.30 kg/m² .
- 6 • Apply a layer of **ESD ENAMEL** with a roller (0.09 kg/m²).
- 7 • Apply **FINISOL ANTISTATIC** with a roller (max 0.09 kg/m²).
- 8 • Proceed to cut the covering at the concrete joints and seal with **SIGILFLEX** polyurethane elastomer .

The resulting thickness of the coating is approximately 6 mm.

PRODUCTS

CONDUPLAST A+B • self-levelling static-dissipative epoxy **FINISOL ANTISTATIC A+B** • Solvent-based polyurethane enamel

FLUIDEPOX A+B • transparent epoxy formulation, solvent-free

Quartz B0/Mix1/Mix3 • resinated spherical quartz

SIGILFLEX • elastomeric sealant

ESD GLAZING • static-dissipative intermediate, coloured, in aqueous emulsion

SUPERCONDUPLAST A+B • static-dissipative epoxy formulation



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