

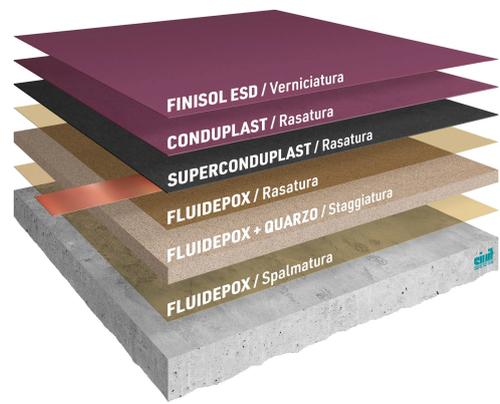
# SYSTEM SCREED MAS03

## Anti-static screed

**Colored screed system capable of dissipating electrostatic charges, applicable on both concrete and tiled substrates.**

The system is based on epoxy mortar with high-solids formulations, for a thickness of approximately 6 mm.

The products are treated with highly conductive additives to produce antistatic flooring, providing electrical conductivity characteristics that prevent the accumulation of electrostatic charges. Typical applications for antistatic coatings include the chemical, electronics, and mechanical industries (particularly where AGV trolleys are used), operating rooms, and areas at risk of flammable or explosive atmospheres.



## Substrate Preparation

Concrete substrates must be solid, dry, level, absorbent, and free from oils, detergents, dust, or other contaminants. For newly cast screeds, the normal curing time must be respected.

Evaluate the most appropriate mechanical preparation method: grinding, shot blasting, or milling. Since this is a non-breathable system, the presence of a vapor barrier must be verified, and there should be no rising moisture.

Additionally, the concrete must be grounded to ensure a resistance between 10,000 and 100,000 Ohms.

## Application

1. Apply a coat of **FLUIDEPOX** at 0.50–0.80 kg/m<sup>2</sup> using a roller.

On the same day, distribute fresh-on-fresh the mortar composed of **FLUIDEPOX** and **Quartz** (granulometric curve **Mix1–Mix3**), prepared in a suitable mixer at a ratio of 1:15. Spread the mortar on the floor using a trowel and straightedge for a consumption of approximately 10.4 kg/m<sup>2</sup> (0.65 kg/m<sup>2</sup> **FLUIDEPOX** and 9.75 kg/m<sup>2</sup> **Quartz**). Compact with a rotating-blade power trowel.

2. Level and saturate the surface pores with 1.0 kg/m<sup>2</sup> of **FLUIDEPOX** using a smooth American trowel.
3. Prepare grounding points using copper strips placed near the electrical boxes. Evaluate the need for additional grounding anchors.

Trowel smooth a layer of **SUPERCONDUPLAST**, loaded 30% with **Quartz B0**, at a consumption of 0.40 kg/m<sup>2</sup>.

4. Trowel smooth a layer of **CONDUPLAST**, loaded 30% with **Quartz B0**, at a consumption of 0.30 kg/m<sup>2</sup>.

5. Apply **FINISOL ESD** with a roller at 0.10–0.12 kg/m<sup>2</sup>.

6. Cut the coating at the concrete joints and seal with **SIGILFLEX** polyurethane elastomer.

The resulting coating thickness is approximately 6 mm.

## Used products

### **FLUIDEPOX® A+B**

TRANSPARENT EPOXY FORMULATION (A+B)

### **SUPERCONDUPLAST® A+B**

PRIMER FOR ANTI-STATIC COVERING

### **FINISOL® ESD A+B**

Static-dissipative colored aliphatic solvent polyurethane enamel

### **CONDUPLAST® A+B**

Anti-static self-leveling resin

The above information corresponds to our best scientific and practical knowledge and does not imply any guarantees and/or liability for Sivit, as the conditions of use are beyond our control. The purchaser is responsible for verifying the suitability of the products for the specific case.

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