

SYSTEM MULTILAYER MST06

Anti-static epoxy multilayer flooring

Colour-coated multilayer system for cementitious substrates free from rising damp, designed to dissipate electrostatic charges.

The system is based on epoxy resins with high-solids formulations, for a total thickness of approximately 2 mm. The products are modified with highly conductive additives, allowing the creation of antistatic flooring with electrical conductivity properties sufficient to prevent the accumulation of electrostatic charges.

Typical fields of application for antistatic coatings include: chemical, electronic, and mechanical industries (particularly in the presence of AGV trolleys), operating theatres, and all environments where flammable or explosive atmospheres may be present.

Substrate Preparation

Concrete substrates must be solid, dry, level, absorbent, and free from contamination such as oils, detergents, dust, or other substances.

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

Assess the most suitable type of mechanical preparation: grinding or shot-blasting.

Since the system is non-breathable, the presence of a vapour barrier must be verified; in any case, no rising damp must be present.

A grounding system for the concrete substrate must also be provided, ensuring a resistance between **10,000 and 100,000 Ohm**.

Application

1. Install grounding points by applying copper strips near electrical panels.
Apply a smooth trowel coat of **SUPERCONDUPLAST**, filled with **30% Quartz B2**, with a consumption of **0.40 kg/m²**.
While still fresh, broadcast **Quartz B2** to excess at approximately **1.5 kg/m²**, ensuring that all unbonded excess quartz is removed the following day.
2. Sand the surface to eliminate the most noticeable irregularities.
Apply a smooth trowel coat of **SUPERCONDUPLAST**, filled with **30% Quartz B0**, with a consumption of **0.70 kg/m²**.
3. Apply a smooth trowel coat of **CONDUPLAST**, filled with **50% Quartz B0**, with a consumption of **approximately 0.30 kg/m²**.
4. Apply by roller **PAVIWATER ESD**, diluted with **10% water**, at a consumption not exceeding **0.13 kg/m²**.
5. Cut the coating along the concrete joints and seal with **SIGILFLEX** polyurethane elastomer.

The resulting coating thickness is approximately **3 mm**.

Used products

SUPERCONDUPLAST[®] A+B
PRIMER FOR ANTI-STATIC COVERING

CONDUPLAST[®] A+B
Anti-static self-leveling resin

PAVIWATER[®] ESD A+B
Waterborne electrostatic dissipative epoxy enamel

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.

MST06 • Technical sheet • 01/12/2025

Sivit S.r.l.

Via Centallo 57, 10156, Torino, Italia | P.I. - C.F. 01012820013 | C.C.I.A.A. N. 478878 | Reg. Soc. Tribunale Torino N. 305/74
Sistema di gestione conforme alle ISO 9001:2015 – ISO 14001:2015 – ISO 45001:2018
commerciale@sivit.it | sivitsrl@pec.it | +39 011 273 00 33 | www.sivit.it

