



ESD Epoxy Self Smoothing Screed

FeRFA Type 5 System
DFT = 2-3 mm



Typical Areas of Use

- Electrical Assembly
- ESD Protection zones
- Data Centres
- Robotics
- Test Cells
- EV Manufacturing
- Aerospace Manufacturing
- Printing Halls

1. Surface preparation by suitable mechanical means.
2. Apply an isolating primer of e.g: Epoxy MT100 by roller.
3. Affix copper tapes and earthing points.
4. Apply Epoxy Conductive layer by roller.
5. Apply Epoxy ESD Color 3K flow topping.

Suitable for Surfaces

Repaired and levelled surfaces	
Abraded and roughened coatings* (trial needed!)	
Concrete and cement based screed	

System Properties:

- | | |
|---|---|
| <input type="checkbox"/> ESD Compliant | <input type="checkbox"/> Good chemical resistance |
| <input type="checkbox"/> Smooth surface | <input type="checkbox"/> Shore D 65 (28 Days) |
| <input type="checkbox"/> Certified to ISO Class 4 | <input type="checkbox"/> Abrasion 0.07g (CS17) |
| <input type="checkbox"/> Meets EN 61340-5-1,2 | <input type="checkbox"/> Meets EN 61340-4-5 |
| <input type="checkbox"/> EN VDE 0100 (safety) | <input type="checkbox"/> Static Crack Bridging Class A2 |





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Item	Operation	Material / m ²
1	<p>Surface Preparation</p> <p>The substrate shall be prepared by suitable means to remove all contaminants and weakness to give a clean, sound load-bearing surface. If over coating a newly installed polymer modified flowing screed, ensure all surface dusting is completely remove during preparation and apply a penetrating primer coat with Epoxy BS2000 Transparent.</p>	0.20 kg/m ²
2	<p>Priming</p> <p>Apply an isolating primer of Epoxy MT100 by roller to isolate any flooring underneath the ESD system. Ensure that the surface is totally level and flat at this stage.</p>	Epoxy MT100 @ 0.25 kg/m ²
3	<p>Earthing</p> <p>Apply Copper Tapes to link up all discrete zones.</p> <p>Apply earthing points min of 2 + 1 point per 100m² of floor.</p>	2 linear m/m ² No.
4	<p>Conductive Layer</p> <p>Apply Epoxy Conductive by roller to cover all tapes, earthing points and resin primer. Ensure when priming directly over tapes that rolling is done only along the tape length not from the side.</p>	0.20 - 0.25 kg/m ²
5	<p>Final Coat</p> <p>Apply Epoxy ESD Color 3K, a three part self smoothing screed by notched trowel (blade 55) and metal/needle spiked roller to all surfaces.</p>	2.5 - 2.8 kg/m ²

Notes: Application rates and coverage are theoretical and do not allow for surface profile variation, wastage or variation in application technique. In the case of high substrate roughness you should allow for additional levelling material to be used.

It should be noted that the conductive fibres and fillers may be visible in the finished surface of the system. For this reason we advise to avoid very light colours.