

vebrostatic PU ESD SL (Dissipative)

Pigmented self-smoothing polyurethane system that dispels electrostatic discharge in sensitive areas.

why choose vebrostatic PU ESD SL (Dissipative)?

- ⚡ Meets EN 61340-5-1, EN 61340-4-1 & EN 61340-4-5
- 💧 Prevents fire and explosion risk from electrostatic charge
- 🔧 Excellent resistance to fuels, lubricants, solvents and other chemicals
- ✂️ Easy to clean, non-tainting and non-dusting finish
- ⚡ Static crack bridging properties for mezzanines



system design & typical properties

1	Primer	vebro EP Primer	0.30 kg/m ²
2	Copper Tape	Self-adhesive copper tape	
3	ESD Primer	vebro EP ESD Primer	0.08 – 0.12 kg/m ²
4	Coating	vebro PU ESD SL (<i>Conductive</i>)	1.25 kg/m ² at 1.0 mm 2.50 kg/m ² at 2.0 mm 3.75 kg/m ² at 3.0 mm
5	Sealer	vebro PU ESD Seal (<i>Matt</i>) or vebro UR ESD Seal (<i>Gloss</i>)	0.14 – 0.18 kg/m ² 0.40 – 0.50 kg/m ²

Thickness	1.0 – 3.0 mm
FeRFA Type	Type 5
Fire Resistance EN 13501-1	B _{f1} -S1
Resistance to Earth EN 61340-4-5 / EN 1081 / EN 61340-4-1	<100 Volt / 10 ⁶ Ω / ≤ 10 ⁹ Ω (R _g) < 3.5 × 10 ⁷ Ω (R _s)
Compressive Strength EN 196 / ASTM C 109	~55 N/mm ²
Flexural Strength EN 196 / ASTM C 109	~59 N/mm ²
Wear Resistance EN ISO 5470-1	≤ 50 mg / 1000 cycles (Taber Abrader CS10 wheel)
Shore D Hardness EN ISO 868	65
Chemical Resistance	Resistant to a very wide range of chemicals.
Speed of Cure (at 20°C)	Light Foot Traffic: 24 hours Full Chemical Cure: 5 days

contact the vebro team

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Please note, the applied colours may differ from the examples shown. *Colours marked with an asterisk will incur an additional supplement. The typical physical properties given above are derived from testing in a controlled laboratory environment at 20°C. Results derived from testing field applied samples may vary dependent upon site conditions. The slip resistance figures given above are affected by application techniques and prevailing site conditions. Slip resistance can reduce over time due to poor maintenance, general wear or surface contaminants. Good housekeeping practices should be observed. For a full technical profile, please refer to the data sheet for each product in the system design.

