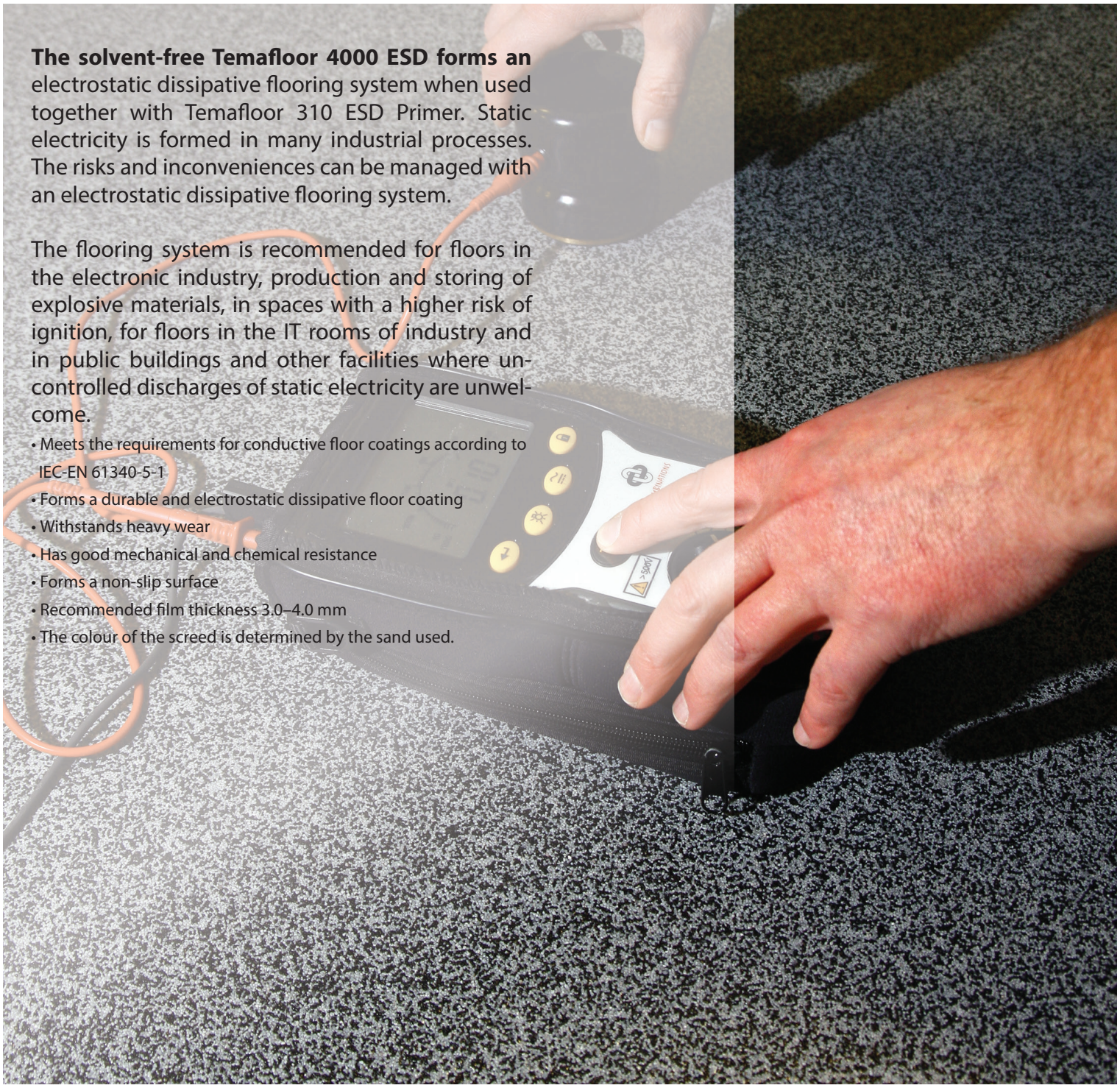
TEMAFLOOR 4000 ESD

Flooring system



The solvent-free Temafloor 4000 ESD forms an electrostatic dissipative flooring system when used together with Temafloor 310 ESD Primer. Static electricity is formed in many industrial processes. The risks and inconveniences can be managed with an electrostatic dissipative flooring system.

The flooring system is recommended for floors in the electronic industry, production and storing of explosive materials, in spaces with a higher risk of ignition, for floors in the IT rooms of industry and in public buildings and other facilities where uncontrolled discharges of static electricity are unwelcome.

- Meets the requirements for conductive floor coatings according to IEC-EN 61340-5-1
- Forms a durable and electrostatic dissipative floor coating
- Withstands heavy wear
- Has good mechanical and chemical resistance
- Forms a non-slip surface
- Recommended film thickness 3.0–4.0 mm
- The colour of the screed is determined by the sand used.

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COATING WORK

1. Pretreatment and priming

Pretreatment and priming should be done according to the instructions of the product data sheet. Priming is made once or twice with 30–50% thinned Temafloor 200 Primer. After priming, the floor should be connected to earth with copper coils. ESD priming should be carried out with 20–30% thinned Temafloor 310 ESD Primer. Conductive sand is scattered on the fresh primer coat to ensure adhesion to the screed and to facilitate application.

2. Screeding

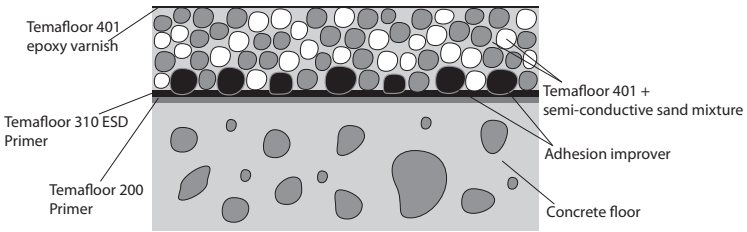
Temafloor 4000 ESD grinding screed is prepared by adding conductive sand mixture to Temafloor 401 epoxy varnish mixture. Temafloor 4000 ESD screed is poured onto the floor. The product is applied with an adjustable trowel or a screed box to the desired screed thickness. Grind the screed surface with a steel trowel or use a suitable lightweight floating machine.

3. Finishing

Finishing can be carried out after 16–24 hours using Temafloor 401 epoxy varnish thinned 20–30%. Repeat the treatment if needed to achieve a non-porous surface.

Technical data (values for 23°C, RH 50%)

Film thickness	3.0–4.0 mm
Density (mixture)	1.8–2.0 kg/l
Initial curing time	6 hours
Full chemical cure	7 days
Max. RH in substrate	<97%
Application temperature	+15°C to +35°C
Colour shades	Grey (The colour of the screed is determined by the conductive sand mixture used.)
Max. temperature, immersion, ISO 3248	+60°C
Max. temperature, dry heat, ISO 3248	+110°C
Chemical resistance	See separate table
Waterproof	Yes
Conductivity IEC-EN 61340-5-1	Meets the requirements of the standard
Fire classification, EN 13501-1	C_{fl}-s1



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Additional information is available from product data sheet and material safety data sheet. Our experienced staff will be pleased to provide full information on coatings specifications and test reports. Contact your nearest Temaspeed distributor or Tikkurila sales representative.

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