



Temafloor 4000 ESD floor coating system

Solvent free Temafloor 4000 ESD forms electrically conductive coating when used together with Temafloor 310 ESD Primer.

Static electricity is formed in many industrial processes. The risks and inconveniences can be managed with electrostatic dissipative flooring system. Coating system is recommended to be used for the floors of electronic industry, production and storing of explosive materials, places with higher risks of ignition, for the floors of IT-rooms in industry and in public buildings and also other places where uncontrolled discharges of static electricity are unwelcome.

Temafloor 4000 ESD coating system

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

Technical data (+23°C, RH 50%)

Film thickness	3.0–4.0mm
Density, ready made 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
Standard colour shade	Grey (The colour of the screed is determined by the conductive sand mixture used.)
Max. temperature immersion	+60°C
Max. temperature dry heat	+110°C
Chemical resistance	See separate data sheet
Water resistance	Yes
Conductivity IEC-EN 61340-5-1	Meets the requirements of the standard
Fire safety EN 13501-1	Cfl – s1

Application

1. Pretreatment and priming

Pretreatment and priming should be done according to instructions of the product data sheet.

Priming is made once or twice with 30-50% thinned Temafloor 200 epoxy varnish. After priming with Temafloor 200 the floor should be connected to earth with copper coils. ESD priming should be carried with 20-30% thinned Temafloor 310 ESD Primer.

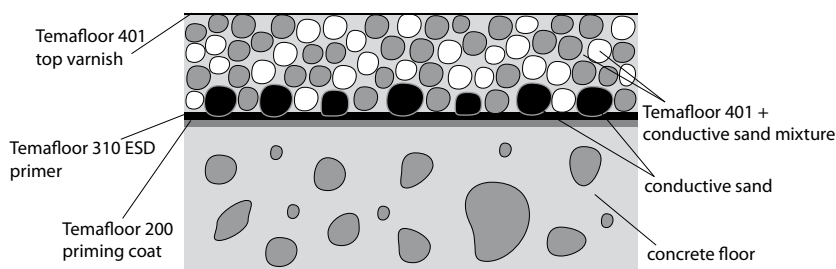
Conductive sand is scattered on the fresh primer coat to ensure the screed adhesion and prohibit gliding of the screed.

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. Product is applied by an adjustable trowel or by a screed box to the desired screed thickness. Knead the screeded surface by hands or use a suitable lightweight floating machine.

3. Top varnishing

Top varnishing can be carried out after 16-24 hours using Temafloor 401 epoxy varnish thinned 20-30% with Thinner 1029. Repeat the treatment if needed to achieve a non-porous surface.



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