floorfinder.
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SYSTEM DATA SHEET

FLOORFINDER
UNIVERSAL ESD FF

Conductive, new-tech, versatile epoxy resin based coating system, low emission, with hard-wearing and good mechanical and chemical properties and a wide spectrum of colours and surface structures. Accord. to DIN EN 1081 and DIN EN 61340-4-1.

Application Fields

- Logistic sites
- Chemical Industry
- Electronic Industry
- Generator rooms
- Surgery rooms
- Laboratories
- Technical rooms
- Technical rooms

SYSTEM BUILD UP

FLOORFINDER EP-E480FF — CONDUC-TIVE PRIMER

FLOORFINDER EP-C500FF — SCRATCH COAT

FLOORFINDER EP-T703FF — PRIMER

FLOORFINDER EP-S644 ASFF — SEALER (OPTIONAL)

FLOORFINDER EP-C544 ASFF — SELF-LEVELLING COATING

SYSTEM HIGHLIGHTS

1.5 – 3.0 mm System thickness

- High impact resistance
- Capable of bearing load
- Conductive acc. DIN EN 1081, DIN EN 61340-4-1
- Hygienic
- Good chemical resistance
- Optionally slip resistance

FLOORFINDER *UNIVERSAL ESD* FF

Application and Consumption

Layer	Product	Consumption (kg/m²)	Sand broadcasting (kg/m²)	Thickness (mm)	Application
Optional: Sealer	FLOORFINDER EP-S644 AS FF	0.3 – 0.8		0.2 – 0.5	rubber squeegee, roller
Self-levelling coating, conductive	FLOORFINDER EP-C544 AS FF	1.4 – 2.8	Optional: SIC F70 (0.18-0.25 mm) 0,02 – 0,08	1.0 – 2.0	notched trowel or squeegee + spike roller
Conductive layer, incl. copper tape	FLOORFINDER EP-E480 FF	0.08 – 0.10 +20% Water	none	0.06 – 0.08	rubber squeegee, roller
Optional: Scratch coat, levelling layer	FLOORFINDER EP-C500 FF (fillable 10-20% with FLOORFINDER QNV0)	0.8 – 2.0 (+ 0.08 – 0.4 QNV0)	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Primer	FLOORFINDER EP-T703 FF or FLOORFINDER EP-P210 FF	0.3 – 0.5	Optional: QS (0.3-0.8 mm) Ca. 0.5	0.2 – 0.3	Rubber squeegee, roller
Substrate	Cementitious substrates according to the appropriate standards and approvals must be capable of bearing loads and be free of cracks and voids. Pull-off strength ≥ 1.5 N/mm², residual moisture content < 4 %-CM, with higher residual moisture and on substrates with moisture from the backside special measures must be taken or a damp proof membrane must be installed. Substrate preparation e.g. grinding or shot blasting, sweeping and vacuum-cleaning is mandatory. Consumptions are calculated with FLOORFINDER quartz sands and fillers. Usage of other quartz sands and fillers can cause changes of consumption and technical data.				
Note	Detailed application instructions are available upon request or refer to the technical product data sheet				

Technical Data

Property	Standard	Result
Compressive strength	EN 196 / ASTM C109	Ca. 70 N/mm²
Flexural strength	EN 196 / ASTM C109	Ca. 40 N/mm²
Resistance to earth	EN 1081 EN 61340-4-1	≤ 10^6 Ω (Rg) ≤ 10^9 Ω (Rg)
Body voltage	EN 61340-4-5	< 100V
Resistance foorwear/person/floor	EN 61340-4-5	< 3.5 x 10^7 Ω
Shore-Hardness	EN ISO 868	D 82 after 28 d
Adhesive strength	EN ISO 4624	> 2,5 N/mm² (concrete failure)
Impact strength	EN 13813	≥ 4 Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	≤ 55 mg
Chemical resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list
Solvent free	Test method „Deutsche Bauchemie“	≤ 1 %
Fire resistance	DIN EN 13501-1	B_{fl}-s1

Manufacturer:
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