

VIASOL PERM PROTECTIVE ESD

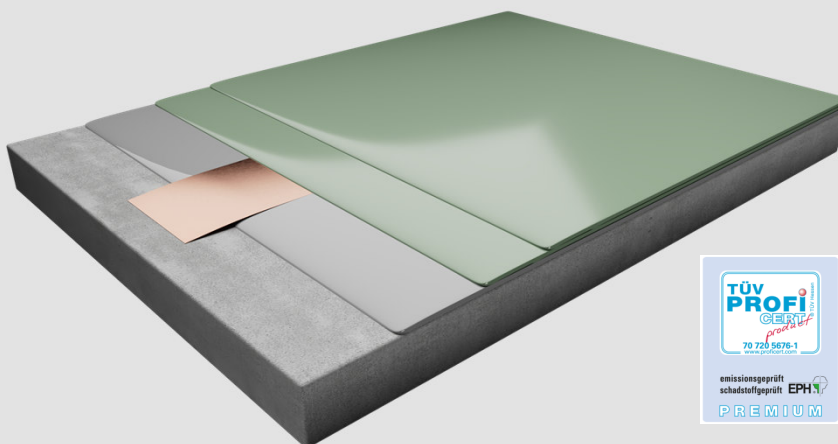
Economical, electrically conductive, water-vapour-permeable, waterborne epoxy resin coating with good light stability and medium mechanical load capacity. Conductivity according to EN 1081 and EN 61340-5-1

Application fields

Public buildings	Technical rooms	Garages	Production halls
Storage rooms	Basements	ESD areas	Moisture-sensitive substrates

System build-up

VIASOL EP-S5820 P ESD CONDUCTIVE SEALER	
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VIASOL EP-P1850 PRIMER	



System highlights

0.5 – 1.5 mm system thickness



Conductive according to DIN EN 1081, DIN EN 61340-5-1, 4-1 and 4-5



Low odour



Chemical resistant



Low-emission in accordance with the criteria of the Committee for the Health Assessment of Building Products (AgBB), tested

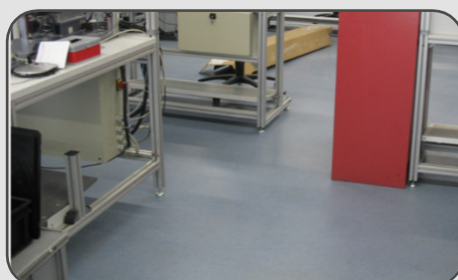


Water-vapour permeable



Economical system build-up

System pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Layer thickness (mm)	Application
2nd conductive sealer	VIASOL EP-S5820 P ESD	0.15 – 0.20 (undiluted) may be diluted with up to 10% water	none	0.10 – 0.15	Notched squeegee, trowel and coarse texture roller
1st conductive sealer	VIASOL EP-S5820 P ESD	0.15 – 0.20 (undiluted) may be diluted with up to 10% water	none	0.10 – 0.15	Rubber squeegee, paint roller
Recommended: Scratch coat / levelling layer (copper tape to ground)	VIASOL EP-P1850	0.8 – 1.0 per mm layer thickness + 50 – 80% QS (0.1 – 0.4 mm)	none	approx. 1.0	Trowel
Primer with copper tape to ground (if no scratch coat is applied)	VIASOL EP-P1850	0.3 – 0.5 + up to 10% water	optional QS 0.3 – 0.8 mm 0.3 – 0.5	0.15 – 0.25	Paint roller or rubber squeegee
Substrate	Cementitious substrates or existing coatings in accordance with the relevant standards and approvals must be clean, sound and free of cracks and voids. Pull-off strength ≥ 1.5 N/mm ² , residual moisture < 4% CM. For substrates with higher residual moisture or moisture exposure from the reverse side, special precautions must be taken or a moisture barrier membrane must be installed. Substrate preparation, e.g. grinding or shot blasting followed by sweeping and vacuum-cleaning, is mandatory. Consumption figures are based on VIASOL quartz sands and fillers. The use of other quartz sands and fillers may affect consumption rates and technical data.				
Note	Detailed application instructions are available upon request or can be found in the product data sheets.				

Technical data



Property	Standard	Result
Resistance to ground	according to TRGS 727	$\leq 10^8 \Omega$
Body voltage generation	DIN EN 61340-5-1:2017-07	≤ 100 V
Personal protection	DIN VDE 0100-410:2018-10	passed
System resistance	DIN EN 61340-5-1:2017-07	$\leq 10^9 \Omega$
Water vapour diffusion resistance	DIN EN ISO 7783-1 and -2	Class I, high
Pull-off strength at standard conditions	DIN EN 1542	≥ 2.0 N/mm ²

Remark: For further information, please refer to the product data sheets or contact our technical service. All data in the system data sheets are laboratory values from which no liability claims can be derived. As all VIACOR data sheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue (see www.viacor.de or contact us directly). All technical information is subject to change without prior notice.

Manufacturer:

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