

VIASOL *PERM* *conductive*

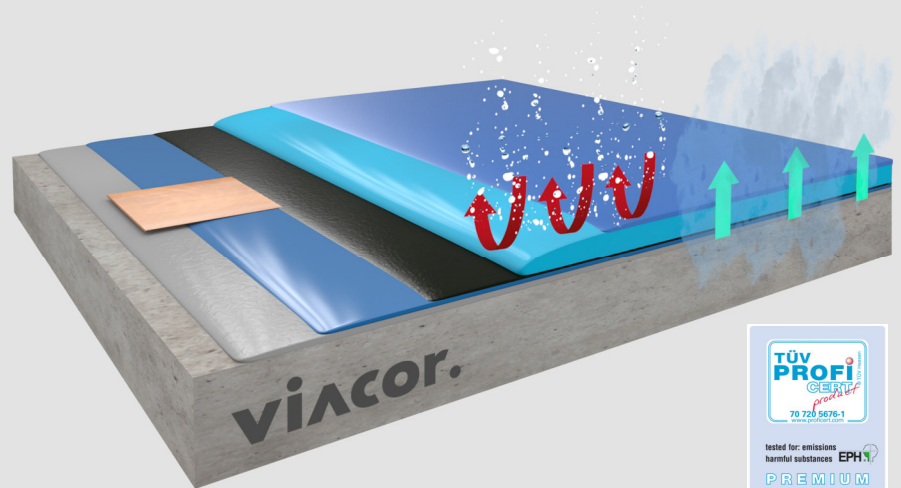
Conductive, water-vapour permeable epoxy advanced resin based coating system, low odour, hard-wearing, water tight surface with good mechanical and chemical properties and a wide colour spectrum. Conductive according to EN 1081 and EN 61340-5-1

Application fields

Public buildings	Electronic industry	Garages	Production areas
Logistic sites	Workshops	Warehouses	Areas with moisture sensitive substrates

System build-up

VIASOL PU-S6005 P ESD optional SEAL COAT	
VIASOL EP-C5480 AS SELF LEVELLING COATING	
VIASOL EP-E1480 LEVELLING COATING	
VIASOL EP-C580 SCRATCH COAT	
VIASOL EP-P285 PRIMER	



System highlights

2,0 – 5,0 mm System thickness



Water vapour permeable



Conductive according
DIN EN 1081, DIN EN
61340-5-1



Impermeable to liquids



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



Low odor



High abrasion resistance



High impact resistance

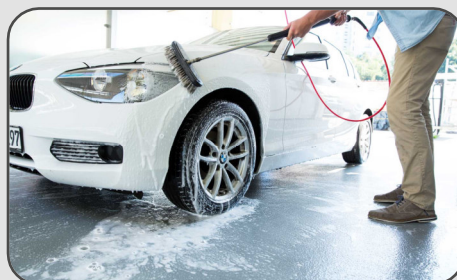


Good chemical resistance



DIN Bfl-s1 after EN 13501-1

System pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
(Optional) Conductive sealer, matt	VIASOL PU-S6005 P ESD	0,14 – 0,18	none	0,09 – 1,2	microfiber roller
Self-levelling coating	VIASOL EP-C5480 AS	2,8 – 4,0	none	2,0 – 3,0	notched trowel + spike roller
Conductive layer incl. copper tape	VIASOL EP-E1480	0,08 – 0,10 + 20 % Water	none	0,06 – 0,08	roller, squeegee + roller
Scratch coat, levelling layer recommended	VIASOL EP-C580	1,0 – 2,0 + 5%Water +10% QS 0,3-0,8	none	1,0 – 1,5	trowel
Primer	VIASOL EP-P285	0.2 – 0.4 + 10-20% Water	optional QS 0,3 – 0,8 0,3 – 0,5	0,15 – 0,25	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/mm ² , this system is water vapour permeable, max. residual moisture < 6 - 8% CM, for magnesite screed <10% CM, anhydrite max. 1% residual moisture, attention for underfloor-heating <0.3% CM, with higher residual moisture and on substrates with moisture from the backside special measures must be taken or a damp proof membrane should be installed. Substrate preparation e.g. grinding or shot blasting, sweeping and vacuum-cleaning is mandatory. Consumptions are calculated with VIASOL 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
	Conductivity With ESD-polymeric dispersion or with conductive ESD sealer	EN 1081 EN 61340-4-1 EN 61340-4-5	$\leq 10^6 \Omega$ (Rg) $\leq 10^9 \Omega$ (Rg) $\leq 3.5 \times 10^7 \Omega$ (Rg) < 100 Volt (body voltage)
	Compressive strength	EN 196 / ASTM C109	Ca 55 N/mm ²
	Flexural strength	EN 196 /ASTM C109	Ca 16 N/mm ²
	E-Modulus	DIN 53504	Ca 7000 N/mm ²
	Shore-Hardness	DIN EN 868	D80 after 28 d
	Water-vapour permeability	DIN 5261523/50-95	$\mu = 4000$
	Adhesive strength	EN ISO 4624	> 2,5 N/mm ² (concrete failure)
	Impact strength	EN 13813	≥ 4 Nm (IR4)
	Wear resistance (Taber)	EN ISO 5470-1	≤ 80 mg
	Low emission	AgBB and M1 and z.B.Green Label Singapur	Fulfilled after 3 days
	Fire resistance	EN 13501-1	Bfl-S1

Remark: For further information, please refer to the product data sheets or contact our technical service. All data are approximate values. Therefore, no liability claims can be derived from the system data sheet. 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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