

# VIASOL *PERM* *conductive*



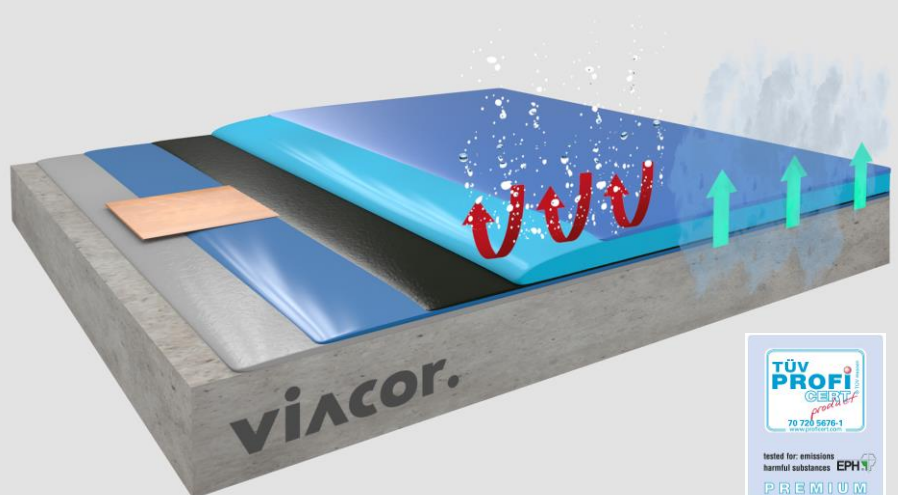
Conductive, water-vapour permeable epoxy advanced resin based coating system, low odour, low emission, hard-wearing, water tight surface with good mechanical and chemical properties and a wide colour spectrum. Conductive according to EN 1081 and EN 61340-5-1

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                     | <b>Conductive according to DIN EN 1081, DIN EN 61340-5-1</b> | Impermeable to liquids                        |
| Low emission acc. AgBB and other standards | Low odor   | High abrasion resistance                      |
| High impact resistance                     | Good chemical resistance                                     | DIN <b>B<sub>fl-s1</sub></b> after EN 13501-1 |

System pictures





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## Application and Consumption

Layer	Product	Consumption (kg/m <sup>2</sup> )	Sand broadcasting (kg/m <sup>2</sup> )	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 $\geq 1.5$ N/mm <sup>2</sup> , 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	$\leq 10^6 \Omega$ (Rg)
	EN 61340-4-1	$\leq 10^9 \Omega$ (Rg)
	EN 61340-4-5	$\leq 3.5 \times 10^7 \Omega$ (Rg) $< 100$ Volt (body voltage)
Compressive strength	EN 196 / ASTM C109	Ca 55 N/mm <sup>2</sup>
Flexural strength	EN 196 /ASTM C109	Ca 16 N/mm <sup>2</sup>
E-Modulus	DIN 53504	Ca 7000 N/mm <sup>2</sup>
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 <sup>2</sup> (concrete failure)
Impact strength	EN 13813	$\geq 4$ Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	$\leq 80$ 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](http://www.viacor.de) or contact us directly) – all technical information is subject to change without prior notice

**Manufacturer:**