

VIASOL WHG *neo* conductive

Conductive, highly chemical resistant epoxy resin based coating system, hard-wearing with very good mechanical and chemical properties, statically crack bridging, according to the German water management act (§ 62 WHG). Conductive according to TRGS 727, DIN EN 1081.

Application fields

Workshops	Chemical Industry	Production areas	Secondary containment
Pharmaceutical Industry	Warehouses	Laboratories	High bay storage

System build-up

VIASOL EP-C549 AS SELF-LEVELLING COATING	
VIASOL EP-E439 CONDUCTIVE LAYER	
VIASOL EP-P239 PRIMER	

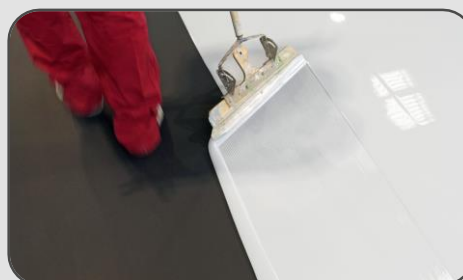


System highlights

2.5 - 4.5 mm System thickness

Conductive	High mechanical resistance	Statically crack-bridging up to 0.4 mm
Capable of bearing high mechanical loads	Hygienic (ISEGA certified)	Excellent chemical resistance acc. WHG

System pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Self-levelling conductive coating	VIASOL EP-C549 AS	2.5	-	2.2	notched trowel or squeegee + spike roller
Conductive layer incl. copper tape	VIASOL EP-E439	0.15 – 0.2	-	0.1	rubber squeegee, roller
Optional: Scratch coat, levelling layer	VIASOL EP-P239 (fillable up to 100% with VIASOL QNV0)	0.5 – 2.0 (+ approx. 0.5-2.0 QNV0)	-	0.5 – 2.0	trowel or rubber squeegee / notched trowel or notched squeegee
Primer	VIASOL EP-P239	0.3 – 0.5	-	0.2	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/mm ² , 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 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	EN 1081	$\leq 10^6 \Omega$ (Rg)
	TRGS 727	$\leq 10^8 \Omega$ ($\leq 50\%$ rel. humidity)
Static crack-bridging	DIN EN 1062-7	≤ 0.4 mm
Shore-Hardness	EN ISO 868	D 67 after 28 d
Adhesive strength	EN 1542	> 2.0 N/mm ² after 28 d
Impact strength	EN 13813	≥ 4 Nm (IR4)
Trafficability		Pneumatic tires, solid rubber tires, vulkollan wheels, polyamide wheels
Chemical resistance	EN ISO 2812-1	Test liquids DIBt: 1, 1a, 2, 3, 3b, 4, 4a, 4b, 4c, 5, 5a, 5b, 6, 6a, 6b, 7, 7a, 7b, 8, 8a, 9, 9a, 10, 11, 12, 13, 14, 15, 15a, various further mediums (see abZ or upon request)

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 users 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