

VIASOL WHG *conductive N*

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 DIN EN 1081 and DIN EN 61340-4-1.

Application fields

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







System build-up

VIASOL EP-C546 AS SELF-LEVELLING COATING	
VIASOL EP-E436 CONDUCTIVE LAYER	
VIASOL EP-P236 N PRIMER	



System highlights

2.0 - 3.0 mm System thickness

 Conductivity acc. DIN EN 1081 and DIN EN 61340-4-1	 High abrasion resistance	 Statically crack-bridging
 Capable of bearing high mechanical loads	 Hygienic (ISEGA certified)	 Excellent chemical resistance acc. WHG

System pictures

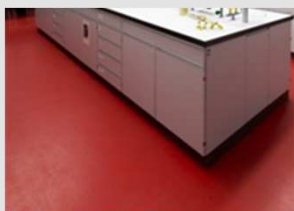


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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Self-levelling conductive coating	VIASOL EP-C546 AS	2.5 – 3.0	none	2.1 – 2.5	notched trowel or squeegee + spike roller
Conductive layer incl. copper tape	VIASOL EP-E436	0.08 – 0.10	none	0.06 – 0.08	rubber squeegee, roller
Optional: Scratch coat, levelling layer	VIASOL EP-P236 N (fillable 10-100% with VIASOL QNV0)	0.8 – 2.0 (+ 0.08 – 2.0 QNV0)	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or notched squeegee
Primer	VIASOL EP-P236 N	0.3 – 0.5	Optional: QS (0.3 – 0.8 mm)	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 $\geq 1.5 \text{ N/mm}^2$, residual moisture content $< 4 \text{ \% -CM}$, 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 EN 61340-4-1	$\leq 10^6 \Omega \text{ (Rg)}$ $\leq 10^9 \Omega \text{ (Rg)}$
	EN 61340-4-5 only with polymeric dispersion Jontec ESD	$< 100 \text{ Volt (body voltage)}$
Crack bridging	DIN EN 1062-7	$\leq 0,2 \text{ mm}$
Shore-Hardness	EN ISO 868	D 60 after 28 d
Adhesive strength	EN ISO 4624	$> 2,0 \text{ N/mm}^2 \text{ (concrete failure)}$
Impact strength	EN 13813	$\geq 4 \text{ Nm (IR4)}$
Wear resistance (Taber)	EN ISO 5470-1	$\leq 75 \text{ mg}$
Solvent free	Test method „Deutsche Bauchemie“	$\leq 1 \text{ \%}$
Fire resistance	EN 13501-1	B _{fl} -s1
Chemical resistance	EN ISO 2812-1	Test liquids DIBt: 1, 1a, 3, 3b, 4, 4a, 4c, 5, 5a, 5b, 6, 6b, 7, 7a, 7b, 8, 8a, 9, 9a, 10, 11, 12, 13, 14, 15a (more 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