

VIASOL UNIVERSAL HBV *voltex*

Conductive, highly chemically resistant epoxy resin based coating system, hard-wearing with very good mechanical and chemical properties, statically crack bridging, conductive according to DIN EN 1081 and DIN EN 61340-4-1.

Application fields

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

System build-up

VIASOL EP-C549 AS SELF-LEVELLING COATING	
VIASOL EP-E439 CONDUCTIVE LAYER	
VIASOL EP-C500 SCRATCH COAT	
VIASOL EP-T703 PRIMER	



System highlights

2.0 - 3.0 mm System thickness



Capable of bearing high mechanical loads



Statically crack-bridging



Optionally slightly slip resistant



Hygienic (ISEGA certified)

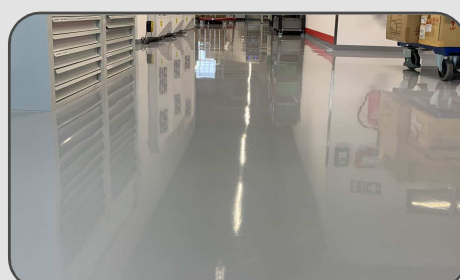


Very good chemical resistance



Conductivity acc. DIN EN 1081, DIN EN 61340-4-1

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	2.0 – 3.0	Optional: SIC F70 (0.18-0.25 mm) 0.02 – 0.08	1.5 – 2.5	notched trowel or squeegee + spike roller
Conductive layer, incl. copper tape	VIASOL EP-E439	0.08 – 0.1	none	0.06 – 0.08	rubber squeegee, roller
Optional: Scratch coat, levelling layer	VIASOL EP-C500 (fillable 10-20% with VIASOL QNV0)	0.8 – 2.0 (+ 0.08 – 0.4 QNV0)	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Primer	VIASOL EP-T703	0.3 – 0.5	Optional: QS (0.3-0.8 mm) Ca. 0.5	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	$\leq 10^6 \Omega \text{ (Rg)}$ $\leq 10^9 \Omega \text{ (Rg)}$
Crack bridging	DIN EN 1062-7	$\leq 0.4 \text{ mm}$
Shore-Hardness	EN ISO 868	D 67 after 28 d
Adhesive strength	EN ISO 4624	$> 2,0 \text{ N/mm}^2$ after 28 d
Impact strength	EN 13813	$\geq 4 \text{ Nm (IR4)}$
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 (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

Manufacturer: