

# VIASOL UNIVERSAL *voltex*

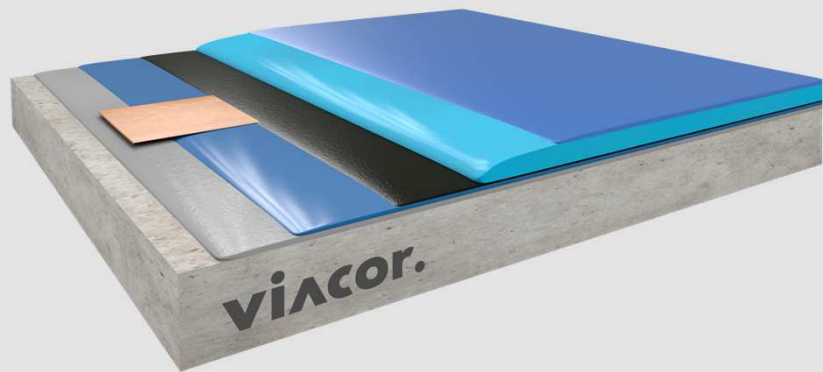
Conductive, versatile epoxy resin based coating system, low emission, with hard-wearing and good mechanical and chemical properties and a wide spectrum of colours and surface structures. Accord. to DIN EN 1081 and DIN EN 61340-4-1.

## Application fields

Logistic sites	Hospitals	Chemical Industry	Pharmaceutical Industry
Electronic Industry	Warehouses	Generator rooms	Laboratories
Surgery rooms	Technical rooms	Production areas	

## System build-up

<b>VIASOL PU-S6005 P ESD</b> SEALER	
<b>VIASOL EP-C540 AS</b> SELF-LEVELLING COATING	
<b>VIASOL EP-E1480</b> CONDUCTIVE LAYER	
<b>VIASOL EP-C500</b> SCRATCH COAT	
<b>VIASOL EP-T703</b> PRIMER	



## System highlights

2.0 - 5.0 mm System thickness



Capable of bearing high loads



Optionally slightly slip resistant



High impact resistance



Hygienic (ISEGA certified)

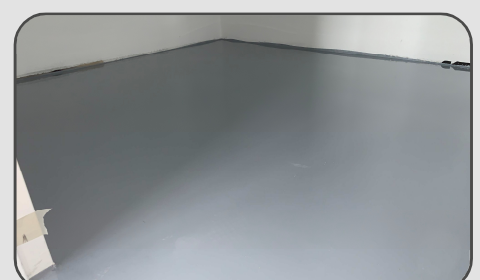


Good chemical resistance



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

## System pictures



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## Application and Consumption

Layer	Product	Consumption (kg/m <sup>2</sup> )	Sand broadcasting (kg/m <sup>2</sup> )	Schichtdicke (mm)	Verlegung
Optional: Sealer, coloured, matt, conductive	VIASOL PU-S6005 P ESD	0.14 – 0.18	none	0.08 – 0.12	Microfiber roller
Self-levelling coating, conductive	VIASOL EP-C540 AS	1.6 – 2.5	Optional: SIC F70 (0.18-0.25 mm) 0,02 – 0,08	1.2 – 2.0	notched trowel or squeegee + spike roller
Conductive layer, incl. copper tape	VIASOL EP-E1480	0.08 – 0.10 +20% Water	none	0.06 – 0.08	rubber squeegee, roller
Optional: Scratch coat, levelling layer	VIASOL EP-C500 or VIASOL EP-C503 (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 or VIASOL EP-P203	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 $\geq 1.5$ N/mm <sup>2</sup> , 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				
Polymeric dispersion	To improve cleanability, a conductive polymeric dispersion can be applied on top of the cured sealer (e.g., TASKI Jontec ESD, 2x ca. 40-50 ml/m <sup>2</sup> )				

## Technical data

Property	Standard	Result
Compressive strength	EN 196 / ASTM C109	Ca. 70 N/mm <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	Ca. 40 N/mm <sup>2</sup>
Conductivity	EN 1081 EN 61340-4-1	$\leq 10^6 \Omega$ (Rg) $\leq 10^9 \Omega$ (Rg)
Shore-Hardness	EN ISO 868	D 82 after 28 d
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	$\leq 55$ mg
Chemical resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Solvent free	Test method „Deutsche Bauchemie“	$\leq 1$ %
Fire resistance	DIN EN 13501-1	C <sub>fl</sub> -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 users 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:**