



# VIASOL UNIVERSAL *voltex SR*

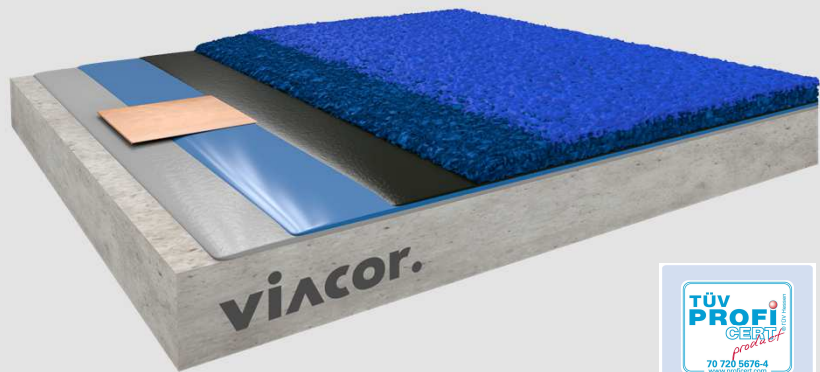
Slip resistant, conductive, epoxy resin based coating system, low emission, hard-wearing, with good mechanical and chemical properties, conductivity according to DIN EN 1081 and DIN EN 61340-4-1. Many colours and surface structures available.

## Application fields

Warehouses	High bay storage	Chemical Industry	Workshops
Pharmaceutical Industry	Production areas with flammable materials		

## System build-up

<b>VIASOL EP-C3000</b> TOP COAT	
<b>VIASOL EP-C3000 AS</b> WEAR COAT	
<b>VIASOL EP-E1480</b> CONDUCTIVE LAYER	
<b>VIASOL EP-C3000</b> SCRATCH COAT	
<b>VIASOL EP-T703</b> PRIMER	

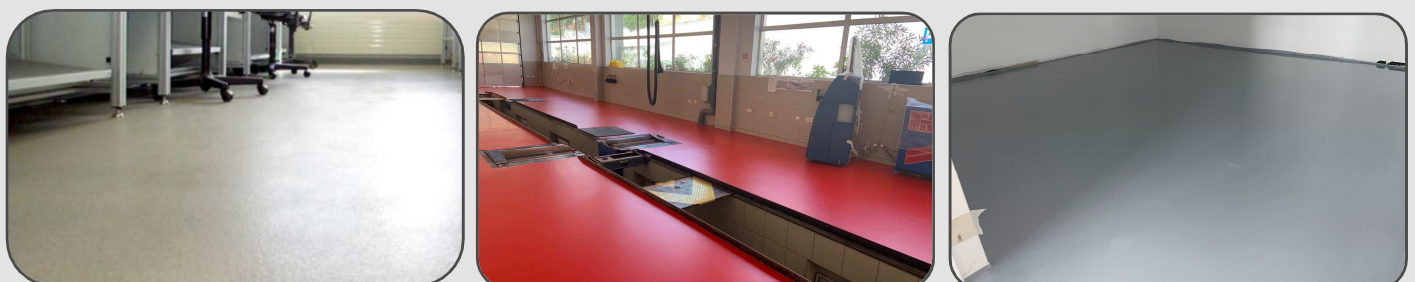


## System highlights

2.0 - 4.5 mm System thickness

<b>Capable of bearing high mechanical loads</b>	<b>High abrasion resistance</b>	<b>Low emission acc. AgBB and other standards</b>
<b>Hygienic (ISEGA certified)</b>	<b>Slip resistant surface R10-R12</b>	<b>Conductive acc. DIN EN 1081, DIN EN 61340-4-1</b>

## 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
Top coat	VIASOL EP-C3000	0.55 – 1.0	none	0.5 – 0.9	Rubber squeegee, roller
Wear coat, broadcasted with SIC or SIC/QS mix	VIASOL EP-C3000 AS	2.0 – 3.0	SIC or SIC/QS Mix <sup>1</sup> SIC F46 – F20 In excess <sup>2</sup>	1.2 – 4.5	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
Scratch coat, levelling layer (recommended)	VIASOL EP-C3000 (fillable 10-20% with VIASOL QNVO)	0.8 – 2.0 (+ 0.08 – 0.4 QNVO)	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 $\geq 1.5$ 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.				
<sup>1</sup> SIC/QS Mix	Added share of quartz (0.3-0.8 mm) to SIC up to 20%				
<sup>2</sup> Slip resistance	VIASOL SIC F36 (0.4-0.6 mm): Ca. R10/R11, VIASOL SIC F24 (0.6-0.85 mm): Ca. R11/R12; Slip resistance can be adapted by different consumptions of the top coat.				

## 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 upon request)
Solvent free	Test method „Deutsche Bauchemie“	$\leq 1$ %

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: