

VIASOL *UNIFLEX* *conductive/ESD*

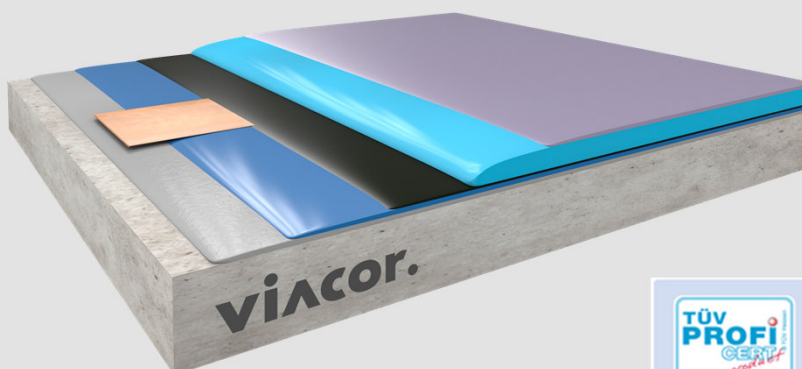
Conductive or dissipative polyurethane resin based coating system, with medium hard-wearing and good mechanical and chemical properties and a wide spectrum of colours and surface structures accord. to DIN EN 1081 and DIN EN 61 340-5-1.

Application fields

Hospitals	Surgery rooms	Technical rooms	Laboratories
Production areas	Logistic sites and warehouses		

System build-up

VIASOL PU-S6005 P ESD SEALER	
VIASOL PU-C540 AS CONDUCTIVE SELF- LEVELLING COATING	
VIASOL EP-E1480 CONDUCTIVE LAYER	
VIASOL PU-C501 PORE SEALER	
VIASOL EP-T703 PRIMER	



System highlights

2.0 – 5.0 mm System thickness



Statically crack-bridging



Very good UV stability



Conductive/dissipative



Hygienic
(ISEGA certified)

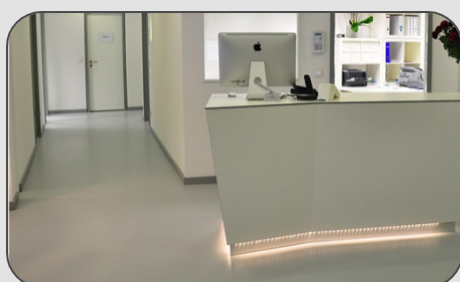


Seamless and joint less



High abrasion resistance

System pictures

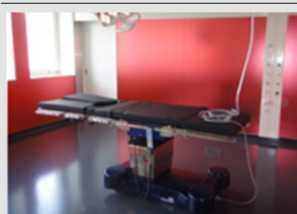


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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
For UV resistance and ESD requirements (optional): Sealer, coloured, matt	VIASOL PU-S6005 P ESD	0.14 – 0.18	none	0.08 – 0.12	roller
Conductive self-levelling coating	VIASOL PU-C540 AS	1.8 – 2.5	none	1.3 – 2.0	notched trowel or squeegee (+ spike roller)
Conductive layer incl. copper tape	VIASOL EP-E1480	0.08 – 0.1 +20% water	none	0.06 – 0.08	rubber squeegee, roller
Pore sealer, levelling layer (recommended)	VIASOL PU-C501 (fillable 10-20% with VIASOL QNV0)	0.8 – 2.0 (+ 80 – 400 QNV0)	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Primer	VIASOL EP-T703 or others	0.3 – 0.5	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
Compressive strength	EN 196 / ASTM C109	Ca. 51 N/mm ²
Flexural strength	EN 196 / ASTM C109	Ca. 59 N/mm ²
Conductivity *with sealer VIASOL PU-S6005 P ESD	EN 1081 EN 61340-4-1 EN 61340-4-5	$\leq 10^6 \Omega \text{ (Rg)}$ $\leq 10^9 \Omega \text{ (Rg)}$ $\leq 3.5 \times 10^7 \Omega \text{ (Rg)*}$ $< 100 \text{ Volt (Body voltage)*}$
Shore-Hardness	EN ISO 868	D 65 nach 28d
Adhesive strength	DIN EN ISO 4624	$> 2,5 \text{ N/mm}^2$ (concrete failure)
Impact strength	EN 13813	$\geq 4 \text{ Nm (IR4)}$
Wear resistance (Taber)	EN ISO 5470-1	$\leq 80 \text{ mg}$
Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Crack-bridging	EN 1062-7	Klasse A2 $\leq 0,5 \text{ mm}$
Fire Resistance	DIN EN 13501-1	B _{fl} -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 or contact us directly)– all technical information is subject to change without prior notice.

Manufacturer:

VIACOR Polymer GmbH | Graf-Bentzel-Str.78 | 72108 Rottenburg | Germany | Tel: +49 7472 94999-0 | info@viacor.de | www.viacor.de
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