

VIASOL *UNIVERSAL* *voltex SR*

Slip resistant, conductive, epoxy resin based coating system, 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

VIASOL EP-S602

TOP COAT



VIASOL EP-C540 AS

WEAR COAT



VIASOL EP-E1480

CONDUCTIVE LAYER



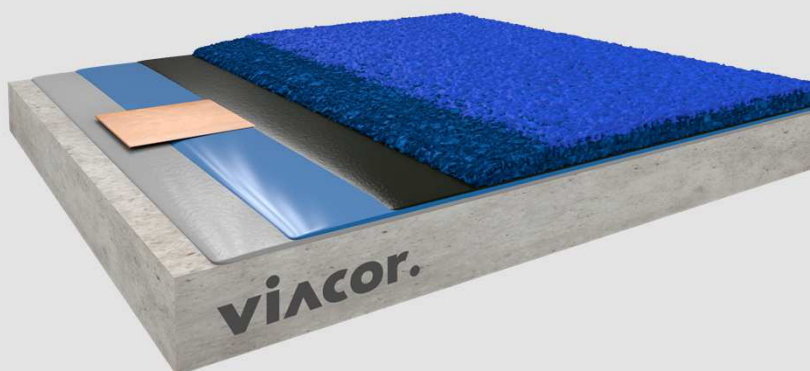
VIASOL EP-C500

SCRATCH COAT



VIASOL EP-T703

PRIMER



System highlights

2.0 - 4.5 mm System thickness



Capable of bearing
high mechanical
loads



High abrasion resistance



High impact resistance



Hygienic
(ISEGA certified)



Slip resistant surface
R10-R12



Conductive 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
Top coat	VIASOL EP-S602 or VIASOL EP-C500	0.55 – 1.0	none	0.5 – 0.9	Rubber squeegee, roller
Wear coat, broadcasted with SIC or SIC/QS mix	VIASOL EP-C540 AS	2.0 – 3.0	SIC or SIC/QS Mix ¹ SIC F46 – F20 In excess ²	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-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 ≥ 1.5 N/mm ² , 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.				
¹ SIC/QS Mix	Added share of quartz (0.3-0.8 mm) to SIC up to 20%				
² 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 ²
	Flexural strength	EN 196 / ASTM C109	Ca. 40 N/mm ²
	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 ² (concrete failure)
	Impact strength	EN 13813	≥ 4 Nm (IR4)
	Wear resistance (Taber)	EN ISO 5470-1	≤ 55 mg
	Chemical resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more upon request)
	Solvent free	Test method „Deutsche Bauchemie“	≤ 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 or contact us directly) – all technical information is subject to change without prior notice

Manufacturer: