

VIASOL UNIFLEX

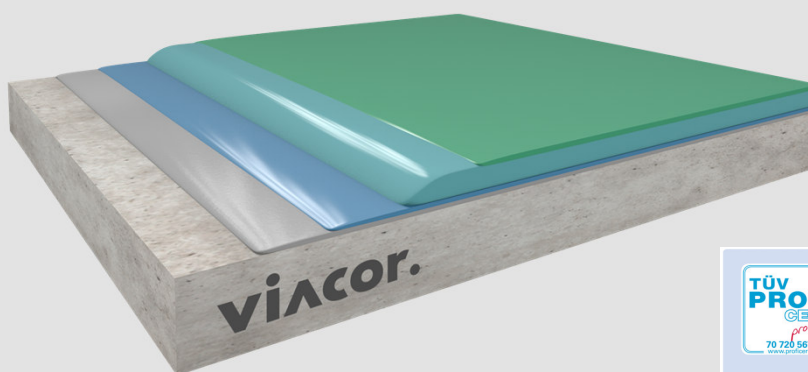
Versatile polyurethane resin based coating system with light to medium mechanical and chemical loads, statically crack bridging properties and a wide spectrum of colours and surface structures.

Application fields

Logistic sites	Warehouses	Workshops	Shopping centres	Laboratories
Production areas	Supermarkets	Problematic substrates (asphalt etc.)		

System build-up

VIASOL PU-S6005 P SEALER	
VIASOL PU-C501 SELF-LEVELLING COATING	
VIASOL PU-C501 PORE SEALER	
VIASOL EP-T703 PRIMER	



System highlights

2.0 – 5.0 mm System thickness



Statically
crack-bridging



Very good UV and colour
stability



Low-emission in accordance with
the criteria of the Committee for
the Health Assessment of
Building Products (AgBB)



Hygienic
(ISEGA certified)

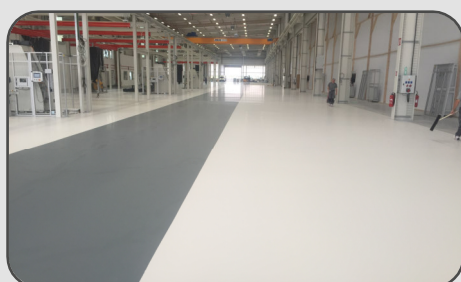


Jointless, seamless



Slip resistant
R9 / R10 / R11

System pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Sealer, coloured, matt	VIASOL PU-S6005 P	0.09 – 0.12	none	0.5 – 0.7	roller
Self-levelling coating	VIASOL PU-C501 (fillable up to 30 % depending on consumption)	1.7 – 2.5	none	1.1 – 2.0	notched trowel or squeegee (+ spike roller)
Pore sealer, levelling layer (recommended)	VIASOL PU-C501 (fillable 10-20% VIASOL QNV0)	0.8 – 2.0 (+ 80 – 400 QNV0)	none	0.5 – 2.0	trowel or squeegee, notched trowel or notched 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 ≥ 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.				

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
	Tensile strength	DIN 53504	Ca. 25 N/mm ²
	Elongation at break	DIN 53504	Ca. 10%
	Shore-Hardness	DIN EN ISO 868	D 72 after 7 days
	Adhesive strength	DIN EN ISO 4624	> 2.5 N/mm ² (concrete failure)
	Impact strength	EN 13813	≥ 4 Nm (IR4)
	Wear resistance (Taber)	DIN ISO 9352, ASTM D 1044	≤ 22 mg
	Solids content	Test method Deutsche Bauchemie	~ 100% („Total solid“)
	Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (others on request)
	Crack-bridging	EN 1062-7	Class A2 $\leq 0,5$ mm
	Fire Resistance	DIN EN 13501-1	B _f -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:

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