



# VIASOL *UNIVERSAL high-impact*

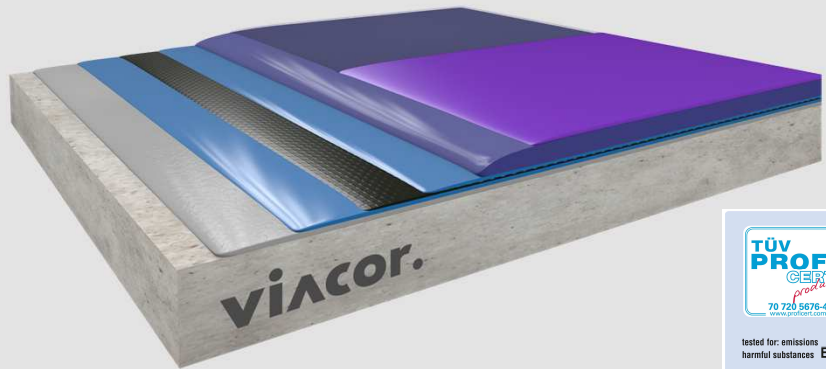
Epoxy resin based coating system, low emission, with glass fabric reinforcement, very hard-wearing, for exceptionally high mechanical loads with good chemical properties and a wide spectrum of colours. Suitable e.g. for usage of air cushion vehicles.

## Application fields

Logistic sites	Warehouses	Paper mills	Production areas	Laboratories
Workshops	Shopping centres	Supermarkets	Air cushion vehicles	

## System build-up

<b>VIASOL PU-S6005 P</b> SEALER	
<b>VIASOL EP-C3000</b> SELF-LEVELLING COATING	
<b>VIASOL EP-C3000</b> FINE LEVELLING COATING	
<b>VIASOL EP-L360</b> INTERMEDIATE LAYER W/ GLASS FABRIC	
<b>VIASOL EP-C3000</b> SCRATCH COAT	
<b>VIASOL EP-T703</b> PRIMER	

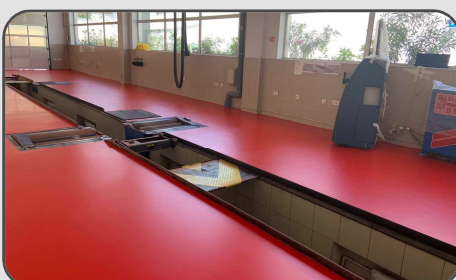


## System highlights

3.0 - 6.0 mm System thickness

	<b>Extreme heavy duty system</b>		<b>High impact resistance</b>
	<b>Good chemical resistance</b>		<b>Low emission accord. AgBB and other standards</b>
	<b>Optionally slight slip resistant</b>		<b>Hygienic (ISEGA certified)</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
Optional: Sealer, matt, coloured	VIASOL PU-S6005 P	0.09 – 0.1	None	0.08 – 0.1	microfiber roller
Alternative: Sealer, matt, transparent	VIASOL PU-S6005				
Self-levelling coating	VIASOL EP-C3000 (fillable up to 30 % depending on consumption)	1.6 – 2.5	Optional: colour chips	1.2 – 2.0	notched trowel or squeegee + spike rolle)
Fine levelling layer (recommended)	VIASOL EP-C3000	0.8 – 2.0	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Intermediate layer with glass fabric	VIASOL EP-L360 with glass fabric	0.6 – 1.2 200-450 g/m <sup>2</sup>	none	0.6 – 1.0	trowel or rubber squeegee and laminating roller
Optional: Scratch coat, levelling layer	VIASOL EP-C3000 (fillable 10-20% 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	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.				

## Technical data

Property	Standrad	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>
E-Modulus	DIN 53504	Ca. 7000 N/mm <sup>2</sup>
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 / Total solid	Test method „Deutsche Bauchemie“	$\leq 1$ % (not valid for water-based sealer)
Fire resistance	DIN EN 13501-1	B <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:**