

# VIASOL UNIFLEX



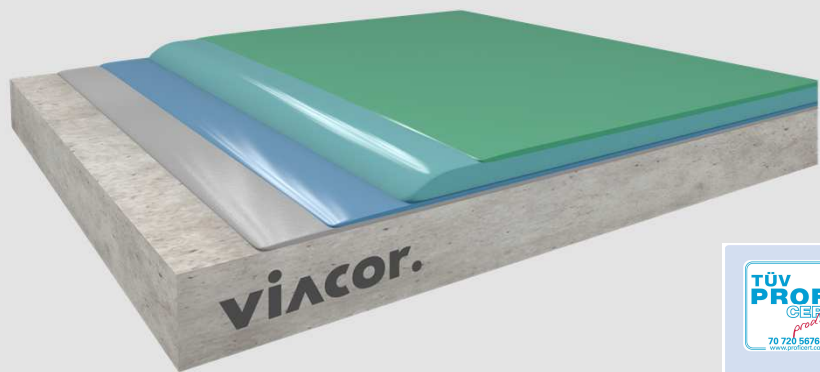
Versatile polyurethane resin based coating system, low emission, with light to medium mechanical and chemical loads, statically crack bridging properties and a wide spectrum of colours and surface structures.

## 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 acc. AgBB and other standards**
- Hygienic (ISEGA certified)**
- Jointless, seamless**
- Slip resistant R9 / R10 / R11**

## 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
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 QNVO)	0.8 – 2.0 (+ 80 – 400 QNVO)	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 $\geq 1.5 \text{ N/mm}^2$ , 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 <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	Ca. 59 N/mm <sup>2</sup>
Tensile strength	DIN 53504	Ca. 25 N/mm <sup>2</sup>
Elongation at break	DIN 53504	Ca. 10%
Shore-Hardness	DIN EN ISO 868	D 72 after 7 days
Adhesive strength	DIN EN ISO 4624	$> 2.5 \text{ N/mm}^2$ (concrete failure)
Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
Wear resistance (Taber)	DIN ISO 9352, ASTM D 1044	$\leq 22 \text{ mg}$
Solids content	Test method Deutsche Bauchemie	$\sim 100\%$ („Total solid“)
Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (others on request)
Crack-bridging	EN 1062-7	Class A2 $\leq 0,5 \text{ mm}$
Fire Resistance	DIN EN 13501-1	B <sub>fi</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:**