VIASOL *UNIFLEX SR*

Slip resistant, tough hard polyurethane resin based coating system, for medium to hard loads, with good mechanical and chemical properties and a wide spectrum of colours and surface structures.

Application fields

- Catering areas
- Hangars
- Garages
- Kitchen areas
- Workshops with liquids
- Production areas in food and beverage industry with wet conditions
- Ramps

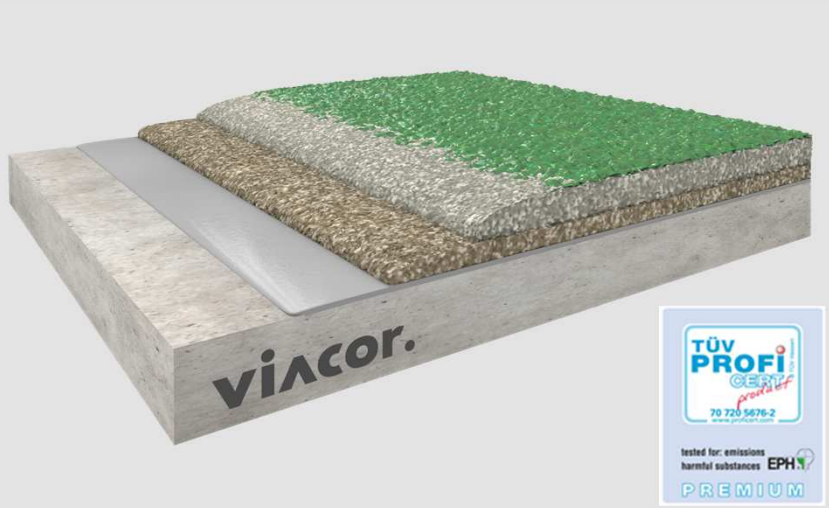
System build-up

VIASOL UREA S6400 P
SEALER

VIASOL PU-C501
WEAR COAT

VIASOL PU-C501
SCRATCH COAT

VIASOL EP-T703
PRIMER



System highlights

2.5 - 5.0 mm System thickness

- **Statically crack-bridging**
- **Good abrasion resistance**
- **Low emission acc. AgBB and other standards**
- **Hygienic (ISEGA certified)**
- **Seamless and joint less**
- **Slip resistant R10 / R11 / R12**

System pictures

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Application and Consumption

Layer	Product	Consumption (kg/m²)	Sand broadcasting (kg/m²)	Thickness (mm)	Application
Top coat, pigmented	VIASOL UREA S6400 P	0.5 – 1.0	none	0.3 – 0.8	rubber squeegee, roller
Alternative	VIASOL EP-S602 [1]				
Wear coat broadcasted with natural or coloured quartz sand	VIASOL PU-C501 QS 0.3-0.8 or 0.6-1.2 mm	1.5 – 3.0	in excess	2.5 – 5.5	notched trowel or squeegee
Optional: Scratch coat, levelling layer	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 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/mm², 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] Not part of low emission certificate				

Technical data

Property	Standard	Result
Compressive strength	EN 196 / ASTM C109	Ca. 51 N/mm²
Flexural strength	EN 196 / ASTM C109	Ca. 59 N/mm²
Fire Resistance	EN 13501-1	Bfl-S1
Shore-Hardness	EN ISO 868	D 65 nach 28 d
Adhesive strength	EN ISO 4624	> 2.5 N/mm² (concrete failure)
Impact strength	EN 13813	≥ 4 Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	≤ 80 mg
Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Solvent free / Total solid	Test method „Deutsche Bauchemie“	≤ 1 % (nicht gültig für wässrige Versiegelung)
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

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