






VIASOL system data sheet

VIASOL **UNIFLEX SR**

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

SYSTEM BUILD-UP

-  Pigmented top coat
VIASOL PU-501¹, UREA-S6400P or EP-S602²
-  Wear coat
VIASOL PU-C501 broadcasted with natural quartz sand
-  Scratch coat, levelling coating
VIASOL PU-C501 (optional)
-  Primer for cementitious substrates:
VIASOL EP-T703 or other
-  Substrate: concrete, cementitious screed, asphalt and others

SYSTEM THICKNESS

2.5 – 5.0 mm



SYSTEM HIGHLIGHTS

- Low emission accord. to AgBB and other European standards as M1
- TÜV-ProfiCert Premium certified
- Defined slip resistance
- Hygienic, complies with regulations of food and beverage industry (ISEGA certified)

APPLICATION FIELDS

- Production areas in food and beverage industry with wet conditions
- Workshops with liquids
- Catering areas and kitchens
- Hangars and garages and ramps



SYSTEM BENEFITS

- Good wear resistant, capable of bearing medium loads
- Low odor, solvent free, does not taint food
- Low emission tested accord. AgBB guidelines and other European standards
- Good abrasion and impact resistance
- Good chemical resistance
- Hygienic, complies with regulations of EU food industry (ISEGA certified)
- Slip resistant surfaces, joint less, seamless
- Impermeable to liquids
- Slightly crack bridging
- Available in many colors
- Good adhesion to concrete and other substrates, with special primers also suitable on substrates with rising water
- Slip resistant surface ca. R10, R11, R12

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Page 1/2

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APPLICATION AND CONSUMPTION

Layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
Top coat, pigmented	UREA-S6400P	0.5 – 1.0	none	0.3 – 0.8	squeegee and roller
alternative	VIASOL EP-S602 ²	0.5 – 1.0	none	0.3 – 0.8	squeegee and roller
Wear coat broadcasted with natural or coloured quartz sand	VIASOL PU-C501 QS 0.3-0.8 mm or QS 0.6-1.2 mm	1.5 – 3.0	QS 0.3 – 0.8 mm or 0.7 – 1.2 mm in excess	2.5 – 5.5	notched trowel or squeegee
Scratch coat, levelling layer (optional)	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	0.3 – 0.5	QS 0.3 – 0.8 mm 0.5	0.2 – 0.3	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 for areas with chemical load not suitable ² not content of low emission certificate (not AgBB tested)				

TECHNICAL DATA



Property	standard	result
Compressive strength	EN 196 / ASTM C109	approx. 55 N/mm ²
Flexural strength	EN 196 / ASTM C109	approx. 59 N/mm ²
Shore-Hardness	EN ISO 868	D 65 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	≤ 80 mg
Solvent free / Total solid	Test method "Deutsche Bauchemie"	≤ 1 % (not valid for water based seal coat)
Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Fire Resistance	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

Manufacturer: