VIASOL system data sheet

VIASOL*UNIFLEX cuisine SR*

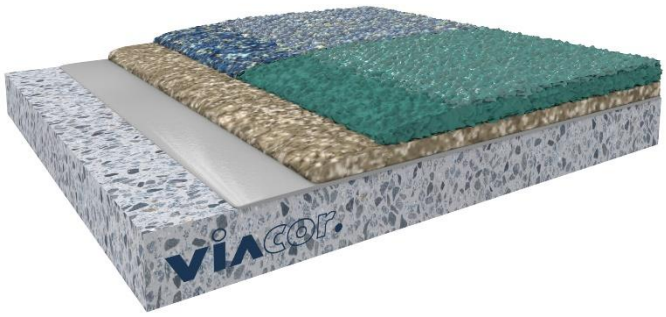
Slip resistant, tough hard polyurethane resin based coating system, with medium to hard wearing good mechanical, thermal resistance until max. 60°C and chemical properties with a wide spectrum of colours and surface structures.

SYSTEM*BUILD-UP*

- Pigmented matt or transparent top coat
  VIASOL UREA-S6400P or PU-667N*
- Wear coat
  VIASOL PU-C501 broadcasted with natural or coloured quartz sand
- Wear coat, crack bridging
  VIASOL PU-L300V broadcasted with natural quartz sand
- Scratch coat, levelling coat
  VIASOL PU-L300V or PU-C501 (optional)
- Primer for cementitious substrates:
  VIASOL EP-P203 or other
- Substrate: concrete, cementitious screed, asphalt and others

SYSTEM*THICKNESS*

5.0 – 7.0 mm



SYSTEM*HIGHLIGHTS*

- Defined slip resistance
- Hygienic, complies with regulations of food and beverage industry EU (ISEGA certified)

APPLICATION*FIELDS*

- Production areas in food and beverage industry
- Catering areas and kitchens
- Workstations with wet conditions

SYSTEM*BENEFITS*

- Good wear resistant, capable of bearing medium loads
- Good abrasion and impact resistance
- Hygienic, complies with regulations of EU food industry (ISEGA certified)
- Slip resistant surfaces, joint less, seamless
- Impermeable to liquids
- Slightly crack bridging
- Thermal resistance until max. 60°C in permanent wet areas
- Available in many colors
- Good adhesion to concrete and other substrates, with special primers also suitable on substrates with rising water
- Fire resistance class Bfl-s1
- Slip resistant surface ca. R10, R11, R12
- Good resistance against discoloration by food or spices

Manufacturer:
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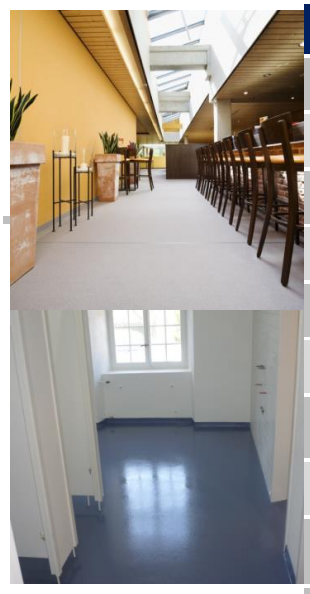
APPLICATION *AND* CONSUMPTION

Layer	product	consumption (kg/m²)	sand broadcasting (kg/m²)	thickness mm	application
Top coat, pigmented	VIASOL UREA S6400P/ VIASOL PU-S691P	0.5 – 1.0	none	0.4 – 0.8	squeegee and roller
Alternative, transparent	VIASOL PU-S667N/ VIASOL PU-S691	0.5 – 1.0	none	0.4 – 0.8	squeegee and roller
Wear coat broadcasted with natural or coloured quartz sand	VIASOL PU-C501 QNV2 0.3-0.9 mm or QCV 0.3-0.9 mm	1.5 – 1.7	QNV2 0.3 – 0.9 mm QCV 0.3 – 0.9 mm in excess	2.2 – 3.0	notched trowel or squeegee
Wear coat crack bridging broadcasted with natural quartz sand	VIASOL PU-L300V QS 0.3-0.8 mm or	1.5 – 2.0	QS 0.3 – 0.8 mm in excess	2.2 – 3.5	notched trowel or squeegee
levelling layer (optional)	VIASOL PU-L300V or PU-C501 (fillable 10-20% with 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-P203 or 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/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. *for areas with chemical load not suitable				

TECHNICAL *DATA*



Property	standard	result
Compressive strength	EN 196 / ASTM C109	approx. 51 N/mm²
Flexural strength	EN 196 / ASTM C109	approx. 59 N/mm²
Strain	DIN 53504	ca. 10%
Shore-Hardness	EN ISO 868	D 65 after 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 incl. sand
Fire resistance	EN 13501-1	B_{fl}-s1
Chemical resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Slip resistance	DIN 51130	R11-V4 – R12-V8

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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