

VIASOL system data sheet

VIASOL **UNIVERSAL SR**

Slip resistant, versatile epoxy resin based coating system, with hard-wearing and good mechanical and chemical properties and a wide spectrum of colours and surface structures.

SYSTEM BUILD-UP

Optional:

Transparent matt seal coat:
VIASOL PU-S6005*



Pigmented or transparent top coat
VIASOL EP-S602, EP-T712 or PU-S667N*



Wear coat
VIASOL EP-C500 broadcasted with natural or coloured quartz sand



Scratch coat, levelling coating
VIASOL EP-C500 / EP-C503 (optional)



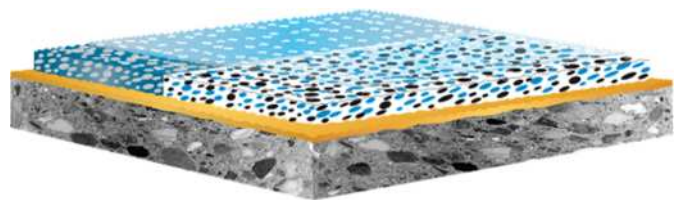
Primer for cementitious substrates:
VIASOL EP-P203 or other



Substrate: concrete, cementitious screed, and others

SYSTEM THICKNESS

2.5 – 5.0 mm



SYSTEM HIGHLIGHTS

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

APPLICATION FIELDS

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



SYSTEM BENEFITS

- Wear resistant, capable of bearing medium loads
- Low odor, solvent free, does not taint food
- High 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
- Good colour stable indoor with PU seal coats
- Available in many colors
- Individual colour mixes with coloured quartz
- Good adhesion to concrete and other substrates, with special primers also suitable on substrates with rising water
- Slip resistant surfaces ca. R10, R11, R12
- Fire resistance class B_{fl}-s1

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APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
Optional: Transparent matt seal coat	VIASOL PU-S6005*	0.1 – 0.12	none	0.08 – 0.1	roller
Top coat, pigmented	VIASOL EP-S602	0.5 – 1.0	none	0.3 – 0.8	squeegee and roller
alternative for coloured quartz sand	VIASOL EP-T712 or VIASOL PU-S667N*	0.5 – 1.0	none	0.3 – 0.8	squeegee and roller
Wear coat broadcasted with natural or coloured quartz sand	VIASOL EP-C500 QS 0.3-0.8 mm or QS 0.6-1.2 mm	1.5 – 3.0 in excess	QS or QCV in excess QS 0.3 – 0.8 mm QS 0.6 – 1.2 mm	2.5 – 5.5	notched trowel or squeegee
Scratch coat, levelling layer (optional)	VIASOL EP-C500 (fillable 10-20% with VIASOL QNVO)	0.8 – 2.0 + 80 – 400 QNVO	none	0.5 – 2.0	trowel or rubber squeegee / notched trowel or squeegee
Primer	VIASOL EP-P203 or VIASOL EP-T703	0.3 – 0.5	optional QS 0.3 – 0.8 mm	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 $\geq 1.5 \text{ N/mm}^2$, 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	approx. 70 N/mm ²
Flexural strength	EN 196 / ASTM C109	approx. 40 N/mm ²
E-Modulus	DIN 53504	approx. 7000 N/mm ²
Shore-Hardness	EN ISO 868	D 82 after 28 d
Adhesive strength	EN ISO 4624	>2.5 N/mm ² (concrete failure)
Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
Wear resistance (Taber)	EN ISO 5470-1	$\leq 80 \text{ mg}$
Slip resistance	DIN 51131 / BGR 181	R10, R11, R12
Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Fire Resistance	EN 13501-1	B _i -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: