

## VIASOL **UNIVERSAL SR**

Slip resistant, versatile epoxy resin based coating system, low emission, 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-C3000, PU-S667N\* or UREA-S6400



Wear coat  
VIASOL EP-C3000 broadcasted with natural or coloured quartz sand



Scratch coat, levelling coating  
VIASOL EP-C3000 / EP-T703 (optional)



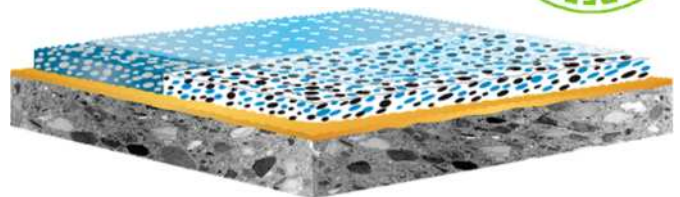
Primer for cementitious substrates:  
VIASOL EP-P203, EP-T703 or other



Substrate: concrete, cementitious screed, and others

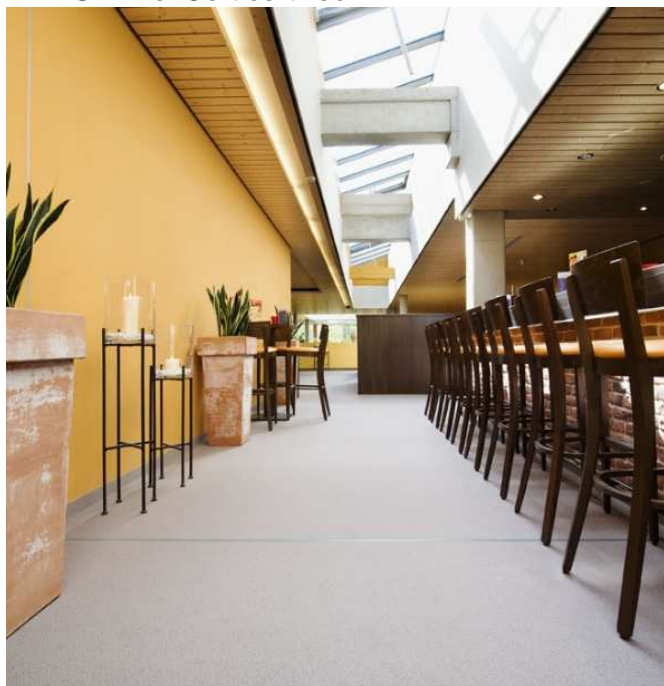
### SYSTEM THICKNESS

2.5 – 5.0 mm



### SYSTEM HIGHLIGHTS

- High wear resistance
- Defined slip resistance
- Hygienic, complies with regulations of food and beverage industry (ISEGA certified)
- Low emission accord. to AgBB standard and other European standards
- TÜV-ProfiCert 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 emission accord. to AgBB standard and other European standards
- 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
- Slip resistant surfaces ca. R10, R11, R12
- Fire resistance class B<sub>fl</sub>-s1

### Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg,  
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Tel: +49/7472-94999-0, [info@viacor.de](mailto:info@viacor.de), [www.viacor.de](http://www.viacor.de)

version no. 2

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# VIASOL system data sheet

**GREEN LINE ECO**

## VIASOL UNIVERSAL SR

### APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m <sup>2</sup> )	sand broadcasting (kg/m <sup>2</sup> )	thickness mm	application
Matt seal coat PU	VIASOL PU-S6005*	0.1 – 0.12	none	0.08 – 0.1	roller
Top coat, pigmented	VIASOL EP-C3000	0.5 – 1.0	none	0.3 – 0.8	squeegee and roller
alternative for coloured quartz sand	VIASOL PU-S667N* or UREA-S6400	0.5 – 1.0	none	0.3 – 0.8	squeegee and roller
Wear coat broadcasted with natural or coloured quartz sand	VIASOL EP-C3000 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-C3000 (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-P210 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 $\geq 1.5$ N/mm <sup>2</sup> , 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. * Matt seal coat do not use in chemical loaded areas or permanent wet areas. In kitchens we recommend a with coloured quartz sand broadcasted surface sealed with VIASOL PU-S667N to avoid discolorations caused by food and beverage. System variation is tested in VIASOL DESIGN for low emission.				

### TECHNICAL DATA

property	standard	result
Compressive strength	EN 196 / ASTM C109	approx. 70 N/mm <sup>2</sup>
Flexural strength	EN 196 / ASTM C109	approx. 40 N/mm <sup>2</sup>
E-Modulus	DIN 53504	approx. 7000 N/mm <sup>2</sup>
Shore-Hardness	EN ISO 868	D 82 after 28 d
Adhesive strength	EN ISO 4624	>2.5 N/mm <sup>2</sup> (concrete failure)
Impact strength	EN 13813	$\geq 4$ Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	$\leq 80$ 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 <sub>fl</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

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