



## VIASOL system data sheet

### VIASOL **UNIVERSAL rapid**


Versatile, fast curing 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 or pigmented and slip resistant seal coat: VIASOL PU-S691, PU-S691P, UREA-S6400 or UREA-S6400P with micro beads

 Self-levelling coating, fast curing  
VIASOL EP-C500 S

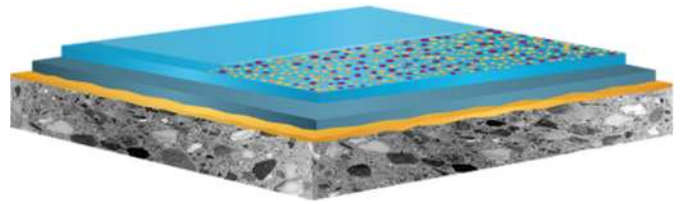
 Scratch coat, levelling coating, fast curing  
VIASOL EP-C500 S (recommended)

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

 Substrate: concrete, cementitious screed, and others

#### SYSTEM **THICKNESS**

2.0 – 5.0 mm

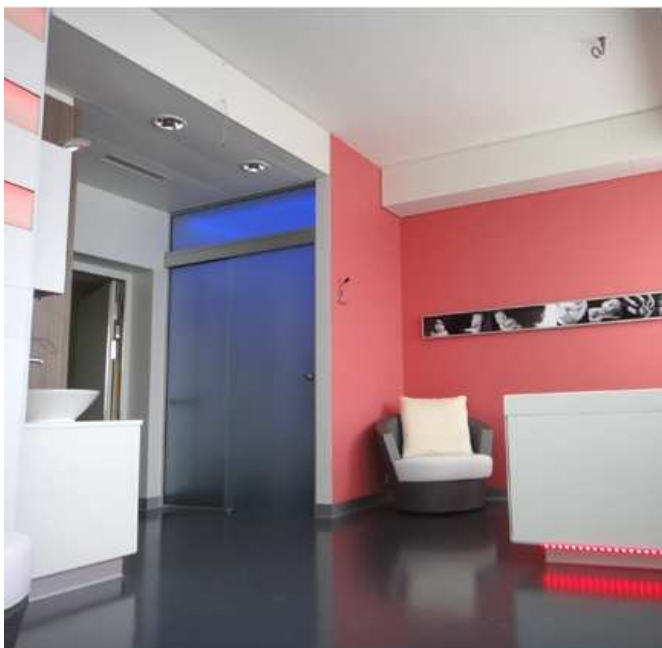


#### SYSTEM **HIGHLIGHTS**

- Fast curing and low temperature curing
- High wear resistance
- Hygienic, complies with regulations of food and beverage industry (ISEGA certified)

#### APPLICATION **FIELDS**

- Logistic sites and warehouses
- Production areas
- Paper mills and metal working industry
- Workshops
- Shopping centres and supermarkets
- Laboratories



#### SYSTEM **BENEFITS**

- Fast curing and low temperature curing
- 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)
- Self-leveling, joint less, seam less
- Impermeable to liquids
- Available in many colors
- Good adhesion to concrete and other substrates, with special primers also suitable on substrates with rising water
- Slightly slip resistant surface possible
- Fire resistance class B<sub>fl</sub>-S1

#### Manufacturer:

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version no. 3

issue: 04-2018

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### APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m <sup>2</sup> )	sand broadcasting (kg/m <sup>2</sup> )	thickness mm	application
Seal coat, transparent or pigmented, slip resistant, glossy (optional)	VIASOL PU-S691, PU-S691P, UREA-S6400 or UREA-S6400P with micro beads 45-75 or 75-150 µm	0.08 – 0.14 + 5 % micro beads	none	0.07 – 0.10	squeegee, trowel + roller
Self-levelling coating fast curing	VIASOL EP-C500 S	1.8 – 2.5	Optional: colour chips	1.3 – 2.0	notched trowel or squeegee (+ spike roller)
Scratch coat, levelling layer (optional) fast curing	VIASOL EP-C500 S (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 fast curing	VIASOL EP-P203 S or VIASOL EP-T703 S	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.				

### 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>
Shore-Hardness	EN ISO 868	D 84 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	$\leq 55$ mg
Solvent free / Total solid	Test method "Deutsche Bauchemie"	$\leq 1$ % (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	Bi-S1 (VIASOL UNIVERSAL)

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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