

## VIASOL system data sheet


### VIASOL **UNIVERSAL**


Versatile epoxy flooring system, hard-wearing, good mechanical and chemical properties with a wide range of colours.


#### SYSTEM BUILD-UP

Optional:  
Transparent gloss seal coat:  
**VIASOL EP-S684<sup>VM</sup>** e.g. if colour flakes are used

 Self-levelling topping  
**VIASOL EP-C500<sup>VM</sup>**

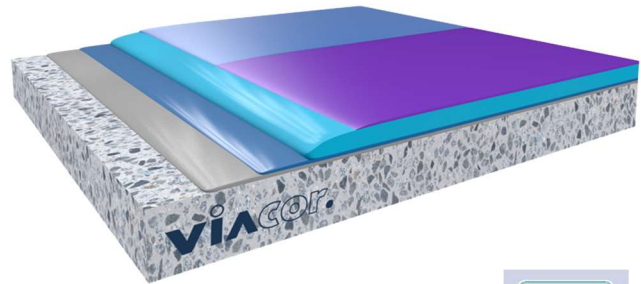
 Scratch coat, levelling coating  
**VIASOL EP-C500<sup>VM</sup>** (recommended)

 Primer for cementitious substrates:  
**VIASOL EP-P210<sup>VM</sup> / EP-T703<sup>VM</sup>** or other

 Substrate:  
Concrete, cementitious screed, and others

#### SYSTEM THICKNESS

1.0 – 3.0 mm

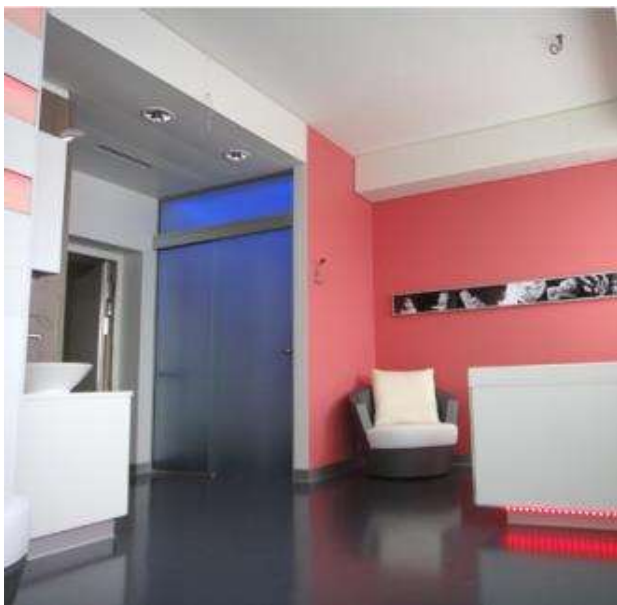


#### SYSTEM HIGHLIGHTS

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

#### APPLICATION FIELDS

- Logistic centre and warehouses
- Production facilities
- Show rooms
- Shopping centres and supermarkets
- Laboratories



#### SYSTEM BENEFITS

- Wear resistant, capable of bearing medium to heavy 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
- Seamless
- Impervious to liquids
- Available in many colors
- Good adhesion to concrete and other substrates
- Suitable for below grade concrete with recommended blocking primer
- Fire resistance class B<sub>fl-S1</sub>

#### Manufacturer:

VIACOR Asia Sdn Bhd., No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, email: [info@viacor.asia](mailto:info@viacor.asia), [www.viacor.asia](http://www.viacor.asia) – A division of VIACOR Polymer GmbH Germany

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### SUBSTRATE *REQUIREMENT*

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 slab 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.

Detailed application instructions are available upon request or refer to the technical product data sheet. Epoxy resins are in general not UV- and colour stable. We recommend not using bright colours which increase this effect. Please ask our technical service for more information

### 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 82 after 28 d
Adhesive strength	EN ISO 4624	$>2.5 \text{ N/mm}^2$ (concrete failure)
Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
Wear resistance (Taber)	EN ISO 5470-1	$\leq 55 \text{ mg}$
Solvent free / Total solid	Test method "Deutsche Bauchemie"	$\leq 1 \text{ \%}$ (not valid for water based seal coat)
Chemical Resistance	EN ISO 2812-1	Test liquids 3, 10, 11 (more see chemical resistance list)
Slip resistance	DIN 51130	R9 – R10
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.asia](http://www.viacor.asia) or contact us directly)– all technical information is subject to change without prior notice

VIACOR products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies which can be obtained on request.

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