






## VIASOL system data sheet

### VIASOL **PERM SR**

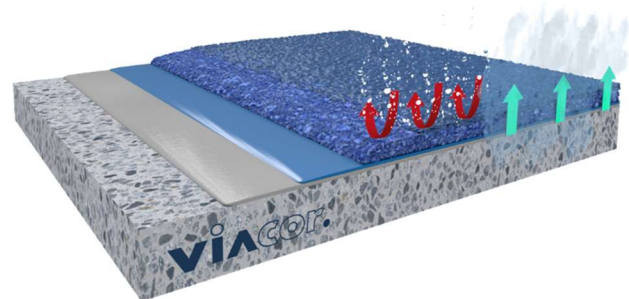
Slip resistant, water-vapour permeable epoxy advanced resin based coating system, low odour, low emission, hard-wearing, water-tight surface with good mechanical properties and a wide colour range.

#### SYSTEM BUILD-UP

-  Coloured seal coat:  
**VIASOL EP-S680<sup>VM</sup> (semi gloss)**  
**VIASOL EP-S6801<sup>VM</sup> (gloss)**
-  Wear coat  
**VIASOL EP-C580<sup>VM</sup> broadcast with QS**
-  Scratch coat, levelling coating  
**VIASOL EP-C580<sup>VM</sup> (optional)**
-  Primer for cementitious substrates:  
**VIASOL EP-P285<sup>VM</sup> or other**
-  Substrate:  
Concrete, cementitious screed, magnesite screed,  
other moisture sensitive

#### SYSTEM THICKNESS

1.5 – 3.0 mm



032-152-3536  
Environmentally  
Preferred Coating

#### SYSTEM HIGHLIGHTS

- High water vapour permeability
- Low emission tested according AgBB guidelines and other European standards as M1 classification
- Green Label certified by Singapore Environmental Council (SEC)
- TÜV-ProfiCert Premium certified

#### APPLICATION FIELDS

- Public buildings
- Production plants with wet conditions
- Sloping areas
- Areas with moisture sensitive substrates
- Underground garages



#### SYSTEM BENEFITS

- High water-vapor permeability
- Low emission, complies with green environmental requirements and AgBB
- Low odor, solvent free, does not taint food
- High abrasion and impact resistance
- Seamless
- Impervious to liquids
- Available in many colors
- Good adhesion to concrete and other substrates
- Slip resistant surface
- 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: [sales@viacorasia.com](mailto:sales@viacorasia.com), [www.viacorasia.com](http://www.viacorasia.com)

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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  $\geq 1.5 \text{ N/mm}^2$ , this system is water vapour permeable, max. residual moisture  $< 6 - 8\% \text{ CM}$ , for magnesite screed  $< 10\% \text{ CM}$ , anhydrite max.  $1\% \text{ residual moisture}$ , attention for underfloor-heating  $< 0.3\% \text{ CM}$ , with higher residual moisture and on substrates with moisture from the slab. 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
	Adhesive strength at $T_{\text{NORM}}$	DIN EN 1542	$\geq 4.3 \text{ N/mm}^2$ ( $\geq 2.0 \text{ N/mm}^2$ )
	Adhesive strength after freeze-thaw with de-icing salt	DIN EN 13687-1 and -2	$\geq 4.3 \text{ N/mm}^2$ ( $\geq 2.0 \text{ N/mm}^2$ )
	Grip and slip resistant	DIN EN 13036-4 DIN 51130	60 Skt ( $\geq 55 \text{ Skt}$ ) R11-V4 and R12-V6
	Chemical resistance	DIN EN 13529	Test liquids DiBT no. 1, 3, 10
	Abrasion resistance (H22 wheel)	DIN EN ISO 5470-1	1.903 mg /1000 U ( $\leq 3.000$ )
	Carbon dioxide permeability	DIN EN 1062-6	class III $> 2.500 \text{ m}$ ( $> 50 \text{ m}$ )
	Water vapour permeability	DIN EN ISO 7783-1 and -2	Class I $> 4\text{m}$ ( $< 5\text{m}$ )
	Water absorption coefficient	DIEN EN 1062-3	$< 0.01 \text{ kg/m}^2 \times \text{h}^{0.5}$ ( $< 0.1$ )
	Impact resistance	DIN EN ISO 6272-1	4 Nm – no cracks
	Low emission	AgBB and M1	Fulfilled after 3 days
	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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