






## VIASOL system data sheet

### VIASOL *PERM protective*

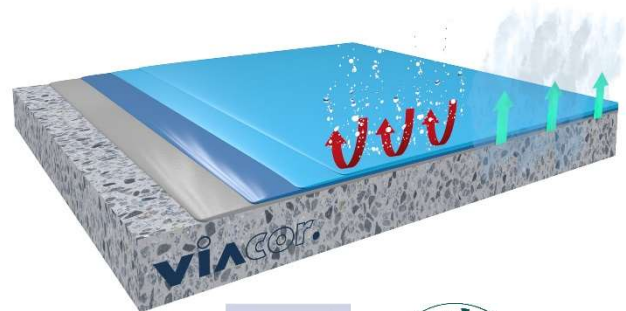
Water-vapour permeable epoxy resin based coating system, low odour, low VOC, water-tight surface with good mechanical properties for light to medium duty and a wide colour range.

#### SYSTEM BUILD-UP

-  2<sup>nd</sup> coloured seal coat  
**VIASOL EP-S680<sup>VM</sup>** (semi glossy) or  
**VIASOL EP-S6801<sup>VM</sup>** (glossy)
-  1<sup>st</sup> coloured seal coat  
**VIASOL EP-S680<sup>VM</sup>** (semi glossy) or  
**VIASOL EP-S6801<sup>VM</sup>** (glossy)
-  Scratch coat, levelling coating  
**VIASOL EP-P285<sup>VM</sup>** (optional)
-  Primer for cementitious substrates:  
**VIASOL EP-P285<sup>VM</sup>**
-  Substrate:  
Concrete, cementitious screed, magnesite screed,  
other moisture sensitive

#### SYSTEM THICKNESS

0.2 – 0.5 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
- Plant room
- Cellars and storage rooms
- Production areas with low mechanical load
- Walls
- Parking bay areas
- Areas with moisture sensitive substrates



#### SYSTEM BENEFITS

- High water-vapor permeability
- Impervious to liquid
- Low emission, complies with green environmental requirements and AgBB
- Low odor, solvent free, does not taint food
- Seamless
- Available in many colors
- Good adhesion to concrete and other substrates

#### 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  $\geq 1.5 \text{ N/mm}^2$ , 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
	Compressive strength	EN 196 / ASTM C109	approx. $55 \text{ N/mm}^2$
	Flexural strength	EN 196 / ASTM C109	approx. $16 \text{ N/mm}^2$
	Shore-Hardness	EN ISO 868	D 80 after 28 d
	Water-vapour transmission	ASTM E 96/E 96M:12	$36.17 \text{ g/24h.m}^2$
	Adhesive strength	EN ISO 4624	$> 2.5 \text{ N/mm}^2$ (concrete failure)
	Impact strength	EN 13813	$\geq 4 \text{ Nm}$ (IR4)
	Abrasion Resistance (CS17 wheel)	ASTM D4060	$\leq 110 \text{ mg}$
	Low emission	AgBB and M1	Fulfilled after 3 days

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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