

VIASOL system data sheet

VIASOL **PERM DECK^{VM}**

Water-vapour permeable epoxy advanced resin based car park system, low odour, low emission, hard-wearing, anti-slip and water-tight surface with good mechanical properties, wide colour range.

SYSTEM BUILD-UP

Optional: Coloured UV seal coat

VIASOL PU-S6501P^{VM} (gloss)

Coloured seal coat:

VIASOL EP-S680^{VM} (semi glossy) or

VIASOL EP-S6801^{VM} (glossy)

Scratch coat, Levelling coat and broadcast with quartz sand

VIASOL EP-L380^{VM}

Primer for cementitious substrates:

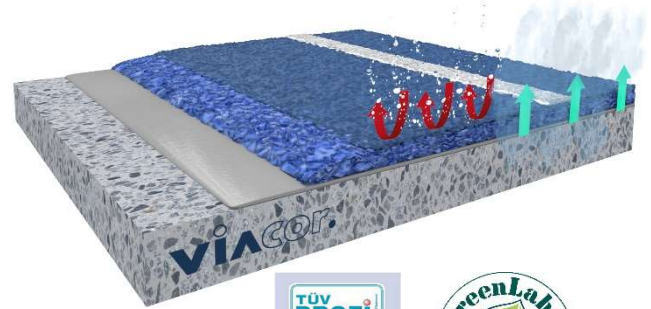
VIASOL EP-P285^{VM}

Substrate:

Concrete, cementitious screed, magnesite screed, other moisture sensitive

SYSTEM THICKNESS

1.0 – 2.0 mm



032-152-3536
Environmentally
Preferred Coating

SYSTEM HIGHLIGHTS

- High water vapour permeability
- Good colour stability with PU seal coat
- 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

- Basement car park floors
- Intermediate car park floors
- Walkway
- Areas subject to high moisture

SYSTEM BENEFITS

- High water-vapor permeability
- Suitable for high moisture conditions
- Low emission, complies with green environmental requirements and AgBB
- Low odor, solvent free
- High abrasion and impact resistance
- Good chemical resistance, e.g. gasoline, engine lubricant and others
- Slip resistant surface where necessary
- Impervious to liquids
- Available in many colors
- Good adhesion to concrete and other substrates
- Fire resistance class B_{fl-s1}



Manufacturer:

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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_{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 (≤ 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 _{fl} -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 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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