






VIASOL *PERM SR (OS8)*

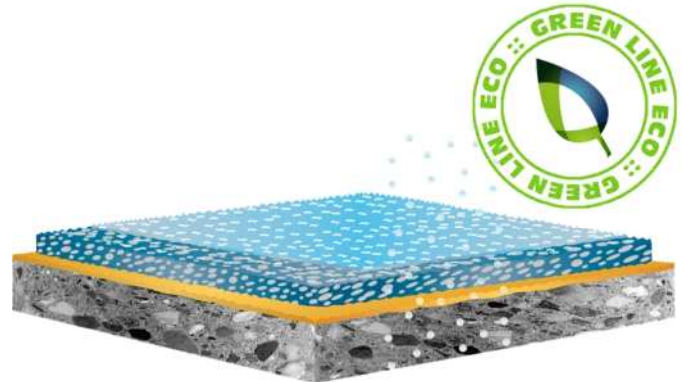
Slip resistant, water-vapour permeable epoxy advanced resin based coating system, low odour, low emission, hard-wearing, water-proof surface with good mechanical and chemical properties and a wide colour spectrum. According to DIN EN 1504-2 and DIN V 18026, class OS8.

SYSTEM BUILD-UP

-  Coloured seal coat:
VIASOL EP-S681 (semi glossy)
-  Wear coat
VIASOL EP-C580
-  Scratch coat, levelling coating
VIASOL EP-C580 (optional)
-  Primer for cementitious substrates:
VIASOL EP-P285 or other
-  Substrate: concrete, cementitious screed, magnesite screed, other moisture sensitive

SYSTEM THICKNESS

1.5 – 3.0 mm



SYSTEM HIGHLIGHTS

- High water vapour permeable
- Very good colour stability indoor
- Low emission tested accord. AgBB guidelines and other European standards as M1, additional Green Label (Singapore)
- TÜV-ProfiCert Premium certified

APPLICATION FIELDS

- Public buildings
- Production areas
- Paper mills and metal working industry
- Underground garages
- Workshops
- Areas with moisture sensitive substrates
- Underground garages



SYSTEM BENEFITS

- High water-vapor permeability, no blistering in situation subject to hydrostatic pressure
- Low emission, complies with green environmental requirements and AgBB
- Low odor, solvent free, does not taint food
- High abrasion and impact resistance
- Good chemical resistance
- Joint less, seamless
- Impermeable to liquids
- Very good colour stable indoor
- Available in many colors
- Good adhesion to concrete and other substrates
- Slip resistant
- Fire resistance class B_{fl}-s1

Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49/7472-94999-0, info@viacor.de, www.viacor.de

VIASOL system data sheet

GREEN LINE ECO

VIASOL PERM SR (OS8)

APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
Seal coat, coloured, semi glossy	VIASOL EP-S681	0.6 – 0.9 + 3 - 5 % water	None	0.5 – 0.8	roller or rubber squeegee + roller
Wear coat with broadcasting with QS	VIASOL EP-C580 + QS 0.3-0.8 mm	0.9 – 1.6 + 5 % water	QS 0.3 – 0.8 in excess	1.5 – 2.5	notched trowel
Scratch coat, levelling layer (optional)	VIASOL EP-C580	1.0 – 2.0 + 5%water +10% QS 0.3-0.8	None	1.0 – 1.8	trowel
Primer	VIASOL EP-P285	0.2 – 0.4 + 10-20% water	optional QS 0.3 – 0.8 0.3 – 0.5	0.15 – 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 $\geq 1.5 \text{ N/mm}^2$, this system is water vapour permeable, max. residual moisture < 6 - 8% CM, for magnesite screed <10% CM, anhydrite max. 1% residual moisture, attention for underfloor-heating <0.3% CM, with higher residual moisture and on substrates with moisture from the backside special measures must be taken or a damp proof membrane should 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
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	$\geq 4.3 \text{ N/mm}^2$ ($\geq 2.0 \text{ N/mm}^2$)
Dynamic crack bridging (-20°C)	DIN EN 1062-7	NPD
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 m (> 50 m)
Water vapour permeability	DIN EN ISO 7783-1 and -2	class I > 4 m (< 5 m)
Water absorption coefficient	DIEN EN 1062-3	< 0,01 kg/m ² x h ^{0.5} (< 0,1)
Impact resistance	DIN EN ISO 6772-2	4 Nm – no cracks
Low emission	AgBB and M1	Fulfilled after 3 days
Fire Resistance	EN 13501-1	B _{fi} -S1
Green label Singapore		Fulfilled

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 or contact us directly)– all technical information is subject to change without prior notice

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