






VIASOL *PERM protective*

Water-vapour permeable epoxy resin based coating system, low odour, low emission, water-proof surface with good mechanical and chemical properties for minor loads and a wide colour spectrum.

SYSTEM BUILD-UP

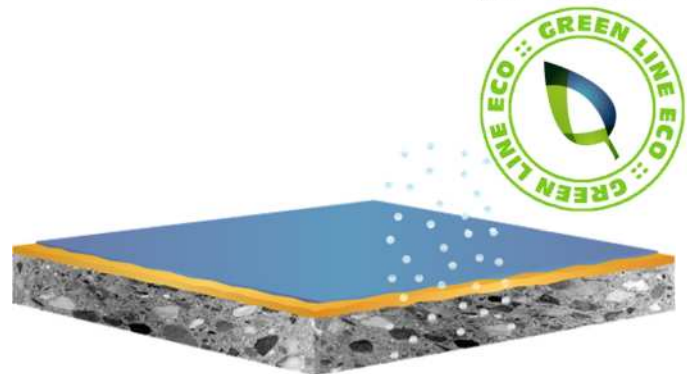
-  2nd Coloured seal coat (optional):
VIASOL EP-S680 (matt) or EP-S681 (semi glossy)
-  1st Coloured seal coat
VIASOL EP-S680 (matt) or EP-S681 (semi glossy)
-  Scratch coat, levelling coating
VIASOL EP-P285 (optional)
-  Primer for cementitious substrates:
VIASOL EP-P285, EP-S680 or EP-S681
-  Substrate: concrete, cementitious screed, magnesite screed, other moisture sensitive

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

SYSTEM THICKNESS

0.2 – 0.7 mm



APPLICATION FIELDS

- Public buildings
- Technical rooms
- Cellars and storage rooms
- Production areas with low mechanical load
- Walls
- Garages
- Areas with moisture sensitive substrates



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
- Good 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
- Fire resistance class B_{fl}-s1

Manufacturer:

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version no. 5

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APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m ²)	thickness mm	application
2 nd seal coat	VIASOL EP-S680 (matt) or VIASOL EP-S681 (semi glossy)	0.2 – 0.3 + 3 – 5 % water	0.15 – 0.2	roller, squeegee + roller
1 st seal coat	VIASOL EP-S680 (matt) or VIASOL EP-S681 (semi glossy)	0.2 – 0.3 + 3 – 5 % water	0.15 – 0.2	roller, squeegee + roller
Scratch coat, levelling layer (optional)	VIASOL EP-P285	0.5 – 1.0 + 5 – 10 % water + 50-100 % QS 0.1-0.4	0.5 – 1.5	trowel
Primer	VIASOL EP-P285	0.2 – 0.4 + 10-20 % water	approx. 0.1	roller, squeegee + roller
alternative	VIASOL EP-S680 or VIASOL EP-S681	0.2 – 0.3 + 7 – 10 % water	approx. 0.1	roller, squeegee + 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 ≥ 1.5 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
Compressive strength	EN 196 / ASTM C109	approx. 55 N/mm ²
Flexural strength	EN 196 / ASTM C109	approx. 16 N/mm ²
E-Modulus	DIN 53504	approx. 7000 N/mm ²
Shore-Hardness	EN ISO 868	D 80 after 28 d
Water-vapour permeability	DIN 52615/23/50-95	$\mu = 4000$
Adhesive strength	EN ISO 4624	>2.5 N/mm ² (concrete failure)
Impact strength	EN 13813	≥ 4 Nm (IR4)
Wear resistance (Taber)	EN ISO 5470-1	≤ 80 mg
Low emission	AgBB and M1	Fulfilled after 3 days
Fire Resistance	EN 13501-1	B _{fl} -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

Manufacturer: