

VIASOL PERM



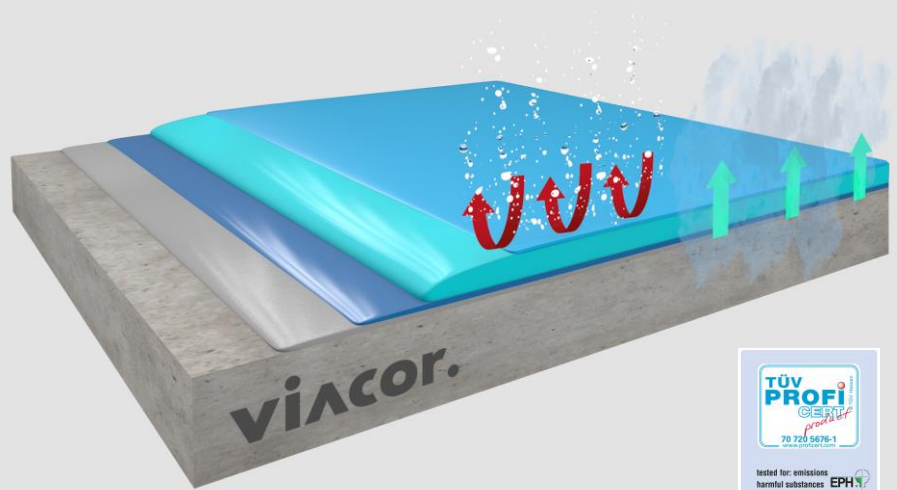
Water-vapour permeable epoxy advanced resin based coating system, low odour, low emission, hard-wearing, water-proof surface with good mechanical and chemical properties and a wide colour spectrum.

Application fields

- Public buildings
- Hospitals
- Production areas
- Workshops
- Logistic sites and warehouses
- Areas with moisture sensitive substrates
- Paper mills and metal working industry

System build-up

- VIASOL EP-S681**
SEALER
- VIASOL EP-C580**
SELF-LEVELLING COATING
- VIASOL EP-C580**
(optional)
SCRATCH COAT
- VIASOL EP-P285**
PRIMER

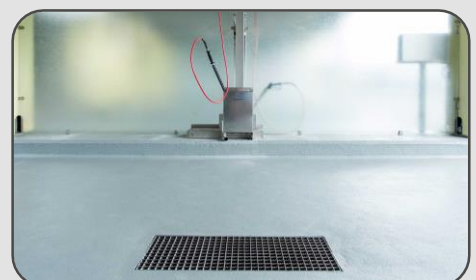
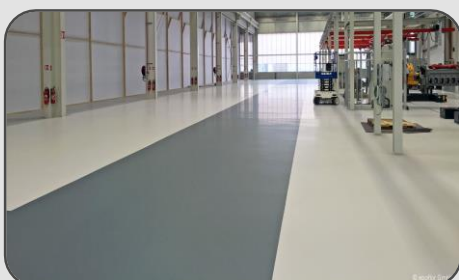


System highlights

2.0 - 5.0 mm System thickness

- | | | |
|---|--|---|
| <p>High water vapour permeability, no blistering from hydrostatic pressure</p> | <p>Seamless</p> | <p>Impermeable to liquids</p> |
| <p>Low emission acc. AgBB and other standards</p> | <p>Low odor</p> | <p>High abrasion resistance</p> |
| <p>High impact resistance</p> | <p>Good chemical resistance</p> | <p>B_{fl-s1} acc. EN 13501</p> |

System pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Sealer, semi-glossy or matt, coloured	VIASOL EP-S681 or VIASOL EP-S680	0.25 – 0.3 + 3 - 5 % water	none	0.15 – 0.2	roller or rubber squeegee + roller
Alternative: Sealer, matt, colour- stable, pigmented or transparent	VIASOL PU-S6005 P or VIASOL PU-S6005 (w/ colour chips)	0.10 – 0.13		0.08 – 0.1	roller
Self-levelling coating	VIASOL EP-C580	2.8 – 6.0	Optional: colour chips	1.6 – 3.3	notched trowel + spike roller
Scratch coat, levelling layer (recommended)	VIASOL EP-C580	1.0 – 2.0 + 5% water +10% QS (0.3-0.8 mm)	none	0.6 – 1.2	trowel
Primer	VIASOL EP-P285	0.2 – 0.4 + 10-20% water	Optional: QS (0.3-0.8 mm) 0.3 – 0.5	0.15 – 0.3	rubber 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	Ca 55 N/mm ²
Flexural strength	EN 196 /ASTM C109	Ca 16 N/mm ²
E-Modulus	DIN 53504	Ca 7000 N/mm ²
Shore-Hardness	DIN EN 868	D80 after 28 d
Water-vapour permeability	DIN 5261523/50-95	$\mu = 4000$
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	E.g., AgBB, M1, Green Label Singapur	Fulfilled after 3 days
Fire Resistance	EN 13501-1	Bf-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.de or contact us directly) – all technical information is subject to change without prior notice

Manufacturer: