



# VIASOL *PERM* protective

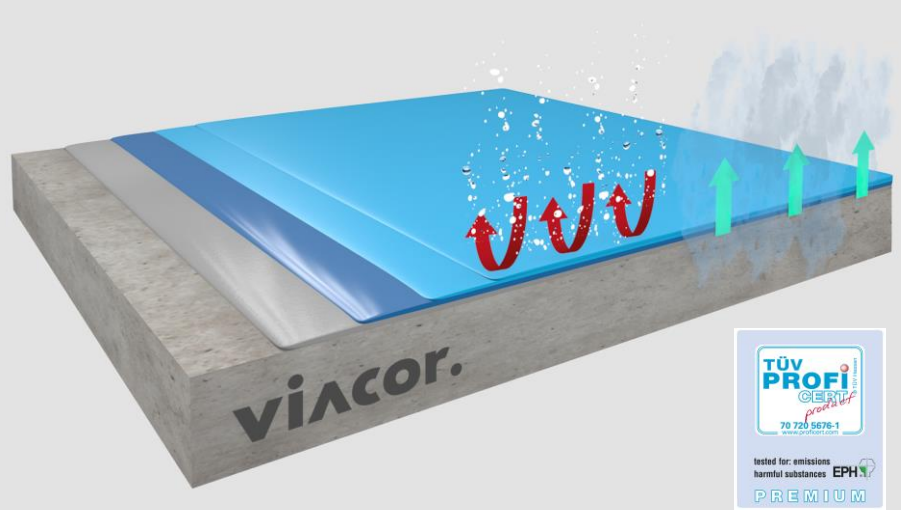
Water-vapour permeable epoxy resin based coating system, low odour, low emission, water-proof surface with good mechanical and chemical properties for minor loads and a wide colour spectrum.

## Application fields

- Public buildings
- Technical rooms
- Garages
- Production areas
- Storage rooms
- Cellars
- Walls
- Areas with moisture sensitive substrates

## System Build-up

- VIASOL EP-S680**  
 2nd SEALER
- VIASOL EP-S680**  
 1st SEALER
- VIASOL EP-P285**  
 SCRATCH COAT
- VIASOL EP-P285**  
 PRIMER

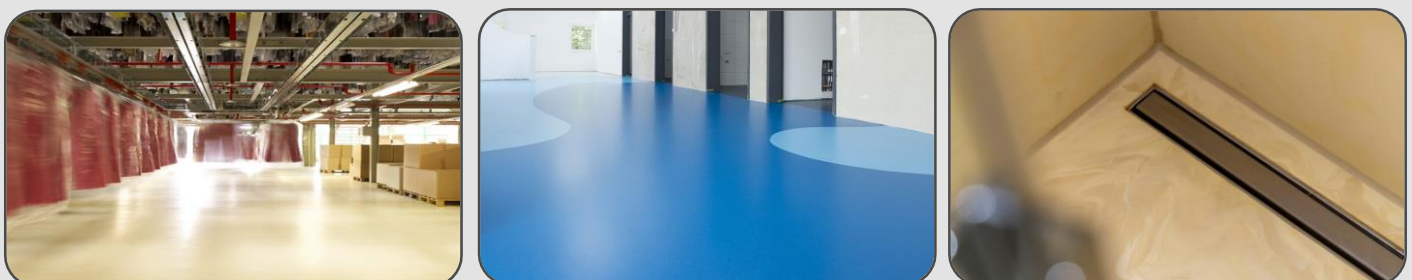


## System highlights

0,2 - 0,6 mm System thickness

- Highly water vapour permeable**
- Seamless**
- Impermeable to liquids**
- Low emission after AgBB standards**
- Low odor**
- Good abrasion resistance**
- Good impact resistance**
- Good chemical resistance**
- B<sub>fl-s1</sub> after EN 13501**

## System pictures




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## Application and Consumption

Layer	Produkt	Consumption (kg/m <sup>2</sup> )	Thickness (mm)	Application
2nd Sealer matt or semi-glossy	VIASOL EP-S680 or VIASOL EP-S681	0,25 – 0,4 + 3 - 5 % Water	0,15 – 0,2	roller, squeegee + roller
1st Sealer matt or semi-glossy	VIASOL EP-S680 or VIASOL EP-S681	0,25 – 0,4 + 3 - 5 % Water	0,15 – 0,2	roller, squeegee + roller
(optional) Scratch coat, levelling layer	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	Ca 0,1	roller, squeegee + roller
(optional) Primer	VIASOL EP-S680 or VIASOL EP-S681	0,2 – 0,4 + 7 - 10% Water	Ca 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 $\geq 1.5$ N/mm <sup>2</sup> , 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 <sup>2</sup>
	Flexural strength	EN 196 /ASTM C109	Ca 16 N/mm <sup>2</sup>
	E-Modulus	DIN 53504	Ca 7000 N/mm <sup>2</sup>
	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 <sup>2</sup> (concrete failure)
	Impact strength	EN 13813	$\geq 4$ Nm (IR4)
	Wear resistance (Taber)	EN ISO 5470-1	$\leq 80$ mg
	Low emission	AgBB and M1 and z.B.Green Label Singapur	Fulfilled after 3 days
	Fire Resistance	EN 13501-1	Bfl-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](http://www.viacor.de) or contact us directly) – all technical information is subject to change without prior notice