

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.

SYSTEM **BUILD-UP**

Alternative transparent seal coat:
VIASOL PU-S6005 e.g. if colour flakes are used

■ Coloured seal coat:
VIASOL PU-S6005 P (matt, colour stable) or
EP-S680 (matt) / EP-S681 (semi glossy) /

■ Self-levelling coating
VIASOL EP-C580

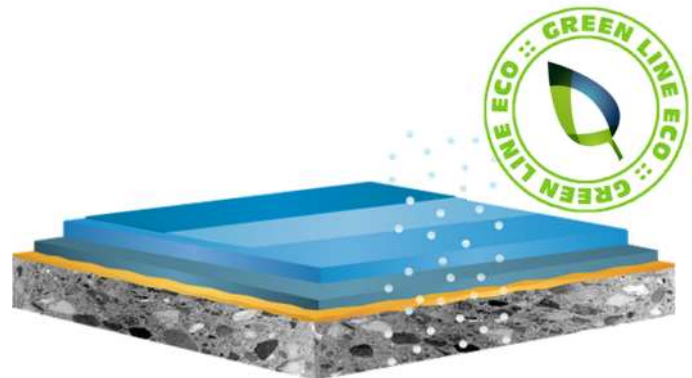
■ Scratch coat, levelling coating
VIASOL EP-C580 (recommended)

■ Primer for cementitious substrates:
VIASOL EP-P285 or other

■ Substrate: concrete, cementitious screed,
 magnesite screed, other moisture sensitive

SYSTEM **THICKNESS**

2.0 – 5.0 mm



SYSTEM **HIGHLIGHTS**

- High water vapour permeability
- 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
- Hospitals
- Logistic sites and warehouses
- Production areas
- Paper mills and metal working industry
- Workshops
- 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
- High abrasion and impact resistance
- Good chemical resistance
- Self-leveling, jointless, seamless
- Impermeable to liquids
- Very good colour stability (indoor)
- Available in many colors
- Good adhesion to concrete and other substrates
- Fire resistance class B_{fl}-S1

Manufacturer:

VIASOL system data sheet

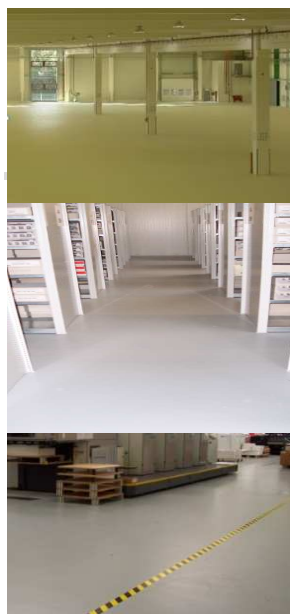
GREEN LINE ECO

VIASOL *PERM*

APPLICATION AND CONSUMPTION

layer	Product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness mm	application
Alternative: Seal coat, coloured, semi glossy	VIASOL EP-S681	0.25 – 0.3 + 3 - 5 % water	none	0.15 – 0.2	roller or rubber squeegee + roller
Seal coat, coloured, matt	VIASOL EP-S680	0.25 – 0.3 + 3 - 5 % water	none	0.15 – 0.2	roller or rubber squeegee + roller
Alternative: Seal coat, transparent, matt	VIASOL PU-S6005 (if colour flakes used)	0.10 – 0.13	none	0.08 – 0.1	roller
Seal coat, pigmented, matt, for colour stable option	VIASOL PU-S6005P	0.10 – 0.13	none	0.08 – 0.1	roller
Self-levelling coating	VIASOL EP-C580	min. 2.8 – 6.0	optional colour chips	1.6 – 3.03	notched trowel + spike roller
Scratch coat, levelling layer (recommended)	VIASOL EP-C580	1.0 – 2.0 + 5%water +10% QS 0.3-0.8	none	0.6 – 1.2	trowel
Primer	VIASOL EP-P285	0.2 – 0.4 + 10-20% water	optional QS 0.3 – 0.8 0.3	0.15 – 0.25	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
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:

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