






VIASOL *PERM SR (OS8)*

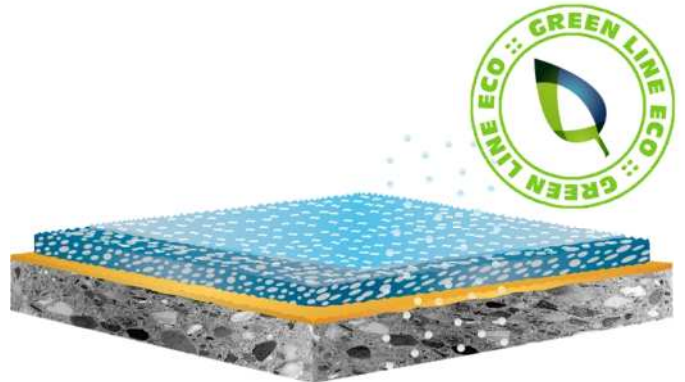
Slip resistant, water-vapour permeable epoxy advanced resin based coating system, low odour, low emission, hard-wearing, water-proof surface with good mechanical and chemical properties and a wide colour spectrum. According to DIN EN 1504-2 and DIN V 18026, class OS8.

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 ≥ 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 |
|--|--|-----------------------------|---|
| | Adhesive strength at T _{NORM} | DIN EN 1542 | ≥ 4.3 N/mm ² (≥ 2.0 N/mm ²) |
| | Adhesive strength after freeze-thaw with de-icing salt | DIN EN 13687-1 and -2 | ≥ 4.3 N/mm ² (≥ 2.0 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 (≥ 55 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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