VIASOL system data sheet

VIASOL *PERM protective conductive*

Conductive, Water-vapour permeable advanced resin based conductive flooring system, low odour, low emission, water-tight and mechanical properties for light to medium duty and a wide colour range. Conductive according to EN 1081 and EN 61340-4-1

SYSTEM *BUILD-UP*

Optional Conductive wax (satin)
e.g. Jontec ESD

Coloured topcoat
VIASOL EP-S6480 AS^{VM}

Conductive layer
VIASOL EP-E480^{VM}

Primer for cementitious substrates:
VIASOL EP-P285^{VM}

Substrate:
Concrete, cementitious screed, magnesite screed, other moisture sensitive

SYSTEM *THICKNESS* **0.5 – 0.9 mm**

SYSTEM *HIGHLIGHTS*

- High water vapour permeability
- Good colour stability (indoor)
- Conductive properties meet EN 1081 and EN 61340-4-1

APPLICATION *FIELDS*

- Cleanrooms and Hospitals
- Semiconductor production
- Pharmaceutical manufacturing
- IT and data centre
- Areas with moisture sensitive substrates
- Explosion protected areas

SYSTEM *BENEFITS*

- High water-vapor permeability
- High moisture situations
- Conductive, meets EN 1081 and 61340-4-1
- Low emission
- Low odour, solvent free
- Good abrasion resistance
- Seamless
- Impervious to liquids
- Available in many colors
- Good adhesion to concrete and other substrates

Manufacturer:
VIACOR Asia Sdn Bhd., No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, email: sales@viacorasia.com, www.viacorasia.com

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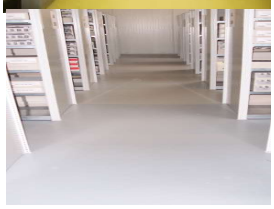
SUBSTRATE *REQUIREMENT*

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/mm², 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 slab. 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
Conductivity	EN 1081 EN 61340-4-1	≤ 10^6 Ω (Rg) ≤ 10^9 Ω (Rg)
Flexural strength	EN 196 / ASTM C109	approx. 16 N/mm²
Shore-Hardness	EN ISO 868	D 80 after 28 d
Water-vapour transmission	ASTM E 96/E 96M:12	36.17 g/24h.m²
Adhesive strength	EN ISO 4624	>2.5 N/mm² (concrete failure)
Impact strength	EN 13813	≥ 4 Nm (IR4)

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.asia or contact us directly)– all technical information is subject to change without prior notice
VIACOR products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies which can be obtained on request.

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