







VIASOL **UNIVERSAL voltex SR**

Slip resistant, conductive, epoxy resin based coating system, low emission, with hard-wearing and good mechanical and chemical properties, according to DIN EN 1081 and DIN EN 61340-4-1.

SYSTEM BUILD-UP

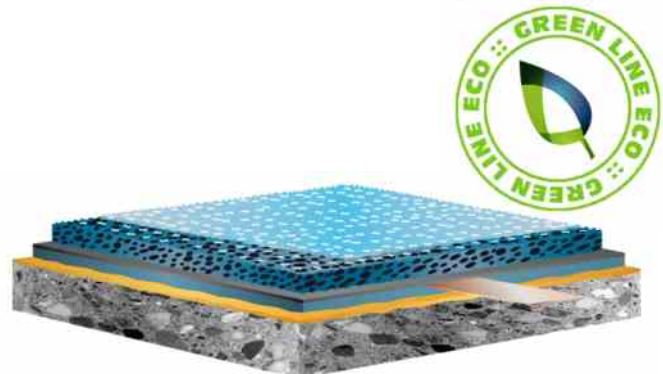
-  Top coat chemical resistant
VIASOL EP-C3000
-  Wear coat, broadcasted with SIC
or SIC/QS mixture
VIASOL EP-C3000 AS
-  Conductive layer with copper tape:
VIASOL EP-E1480 / EP-E1400
-  Scratch coat, levelling coating
VIASOL EP-C3000 or EP-T703 (optional)
-  Primer for cementitious substrates:
VIASOL EP-P210 or EP-T703 or other
-  Substrate: concrete, cementitious screed,
others on request

SYSTEM HIGHLIGHTS

- Conductivity (DIN EN 1081, DIN EN 61340-4-1)
- Good chemical resistant
- Slip resistant surface
- Low emission accord. to AgBB standard

SYSTEM THICKNESS

2.0 – 4.5 mm



APPLICATION FIELDS

- Chemical and pharmaceutical industry
- Production areas with chemical loads
- Workshops with liquids
- Warehouses and high bay storage

SYSTEM BENEFITS

- Wear resistant, capable of bearing medium mechanical loads
- Low emission accord. to AgBB standard
- Conductive acc. to DIN EN 1081 and DIN 61340-4-1
- High abrasion and impact resistance
- Good chemical resistance
- Joint less, seam less
- Impermeable to liquids
- Many colours available
- Good adhesion to concrete and other substrates, with special primers also suitable on substrates with rising water
- Slip resistant surface ca. R10 / R11 / R12
- Fire resistance class B_{fl}-s1



Manufacturer:

VIASOL *UNIVERSAL voltex SR*

APPLICATION AND CONSUMPTION

| layer | product | consumption (kg/m ²) | sand broadcasting (kg/m ²) | thickness mm | application |
|---|--|----------------------------------|---|--------------|--|
| Top coat | VIASOL EP-C3000 | 0.55 – 1.0 | none | 0.5 – 0.9 | squeegee and finish with roller |
| Wear coat, broadcasted with SIC or SIC/QS mix | VIASOL EP-C300 AS SIC F46 – F20 | 2.0 – 3.0 in excess | SIC or SIC/QS mix SIC F46 – F20 in excess | 1.5 – 2.5 | notched trowel or squeegee + spike roller! |
| Conductive layer incl. copper tape | VIASOL EP-E1400/ VIASOL EP-E1480* | 0.08 – 0.10 incl. 20 % water* | none | 0.06 – 0.08 | roller, squeegee + roller |
| Scratch coat, levelling layer (optional) | VIASOL EP-C3000 (fillable 10-30% with VIASOL QNV0) | 0.5 – 2.0 + 0.05 – 0.6 QNV0 | none | 0.5 – 2.0 | trowel or rubber squeegee / notched trowel or squeegee |
| alternative | VIASOL EP-T703 (fillable 50-100% with VIASOL QNV0) | 0.5 – 2.0 + 0.25 – 1.0 QNV0 | none | 0.5 – 2.0 | trowel or rubber squeegee / notched trowel or squeegee |
| Primer | VIASOL EP-P210 or VIASOL EP-T703 | 0.3 – 0.5 | optional QS 0.3 – 0.8 mm | 0.2 – 0.3 | 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 ≥ 1.5 N/mm ² , residual moisture content < 4 %-CM, with higher residual moisture and on substrates with moisture from the backside special measures must be taken or a damp proof membrane must 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 |
|-------------------------|---------------------------|--|
| Flexural strength | EN 196 / ASTM C109 | approx. 40 N/mm ² |
| Compressive strength | EN 196 / ASTM C109 | approx. 70 N/mm ² |
| Conductivity | EN 1081 EN 61340-4-1 | $\leq 10^6 \Omega$ (Rg) $\leq 10^9 \Omega$ (Rg) |
| Slip resistance | DIN 51130 and ASR 1.5/1.2 | R10 / R11 / R12 |
| Shore-Hardness | EN ISO 868 | D 82 after 28 d |
| Adhesive strength | EN ISO 4624 | >2.0 N/mm ² (concrete failure) |
| Impact strength | EN 13813 | ≥ 4 Nm (IR4) |
| Wear resistance (Taber) | EN ISO 5470-1 | ≤ 80 mg |
| Chemical Resistance | EN ISO 2812-1 | Test liquids DiBt: 3, 10, 11 (more see chemical resistance list) |

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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Page 2/2

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