

VIASOL **UNIVERSAL SR**

Slip resistant, versatile epoxy resin based coating system, low emission, with hard-wearing and good mechanical and chemical properties and a wide spectrum of colours and surface structures.

SYSTEM BUILD-UP

Optional:

Transparent matt seal coat:
VIASOL PU-S6005*



Pigmented or transparent top coat
VIASOL EP-C3000, PU-S667N* or UREA-S6400



Wear coat
VIASOL EP-C3000 broadcasted with natural or coloured quartz sand



Scratch coat, levelling coating
VIASOL EP-C3000 / EP-T703 (optional)



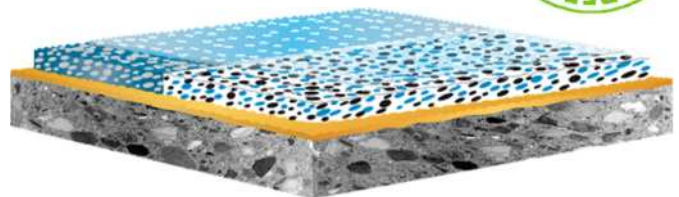
Primer for cementitious substrates:
VIASOL EP-P203, EP-T703 or other



Substrate: concrete, cementitious screed, and others

SYSTEM THICKNESS

2.5 – 5.0 mm



SYSTEM HIGHLIGHTS

- High wear resistance
- Defined slip resistance
- Hygienic, complies with regulations of food and beverage industry (ISEGA certified)
- Low emission accord. to AgBB standard and other European standards
- TÜV-ProfiCert certified



APPLICATION FIELDS

- Production areas in food and beverage industry
- Workshops with liquids
- Catering areas and kitchens
- Hangars and garages

SYSTEM BENEFITS

- Wear resistant, capable of bearing medium loads
- Low emission accord. to AgBB standard and other European standards
- Low odor, solvent free, does not taint food
- High abrasion and impact resistance
- Good chemical resistance
- Hygienic, complies with regulations of EU food industry (ISEGA certified)
- Slip resistant surfaces, joint less, seamless
- Impermeable to liquids
- Good colour stable indoor with PU seal coats
- Available in many colors
- Individual colour mixes with coloured quartz
- Slip resistant surfaces ca. R10, R11, R12
- Fire resistance class B_{fl}-s1

Manufacturer:

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VIASOL system data sheet

GREEN LINE ECO

VIASOL UNIVERSAL SR

APPLICATION AND CONSUMPTION

| layer | product | consumption (kg/m ²) | sand broadcasting (kg/m ²) | thickness mm | application |
|--|--|----------------------------------|---|--------------|--|
| Matt seal coat PU | VIASOL PU-S6005* | 0.1 – 0.12 | none | 0.08 – 0.1 | roller |
| Top coat, pigmented | VIASOL EP-C3000 | 0.5 – 1.0 | none | 0.3 – 0.8 | squeegee and roller |
| alternative for coloured quartz sand | VIASOL PU-S667N* or UREA-S6400 | 0.5 – 1.0 | none | 0.3 – 0.8 | squeegee and roller |
| Wear coat broadcasted with natural or coloured quartz sand | VIASOL EP-C3000 QS 0.3-0.8 mm or QS 0.6-1.2 mm | 1.5 – 3.0 in excess | QS or QCV in excess QS 0.3 – 0.8 mm QS 0.6 – 1.2 mm | 2.5 – 5.5 | notched trowel or squeegee |
| Scratch coat, levelling layer (optional) | VIASOL EP-C3000 (fillable 10-20% with VIASOL QNVO) | 0.8 – 2.0 + 80 – 400 QNVO | 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 |
| 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. * Matt seal coat do not use in chemical loaded areas or permanent wet areas. In kitchens we recommend a with coloured quartz sand broadcasted surface sealed with VIASOL PU-S667N to avoid discolorations caused by food and beverage. System variation is tested in VIASOL DESIGN for low emission. | | | | |

TECHNICAL DATA

| property | standard | result |
|-------------------------|---------------------|---|
| Compressive strength | EN 196 / ASTM C109 | approx. 70 N/mm ² |
| Flexural strength | EN 196 / ASTM C109 | approx. 40 N/mm ² |
| E-Modulus | DIN 53504 | approx. 7000 N/mm ² |
| Shore-Hardness | EN ISO 868 | D 82 after 28 d |
| 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 |
| Slip resistance | DIN 51131 / BGR 181 | R10, R11, R12 |
| Chemical Resistance | EN ISO 2812-1 | Test liquids 3, 10, 11 (more see chemical resistance list) |
| Fire Resistance | EN 13501-1 | B _{fl} -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 or contact us directly)– all technical information is subject to change without prior notice

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