

VIASOL system data sheet


VIASOL **DECK OS8**


Car park deck coating system for ramps, spirals and underground garages with pedestrian and vehicle traffic and for slip resistant industrial floors with medium to heavy load. According to DIN EN 1504-2 and DIN V 18026, class OS 8.


SYSTEM **BUILD-UP**

Line marking:
e.g. PU or acrylic

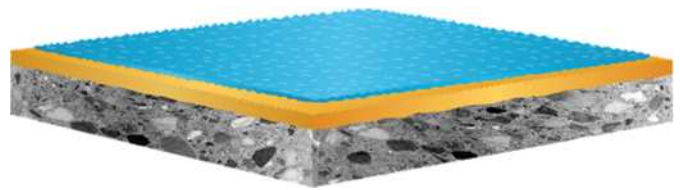
 Top coat, seal coat:
VIASOL EP-S602

 Scratch primer:
VIASOL EP-T703 filled with QS 0.1-0.4 mm
broadcasted with QS 0.3-0.8 mm

Optional: Blocking primer for wet cementitious substrates or for substrates with rising water:
 VIASOL EP-T703 or EP-P210

 Substrate: concrete, cementitious screed,
and others

SYSTEM **THICKNESS** min. 1.5 – 2.5 mm



SYSTEM **HIGHLIGHTS**

- Economic system built-up
- Many colours available
- Approved according to DIN EN 1504-2 and DIN V18026, class OS 8

APPLICATION **FIELDS**

- Ramps and spirals
- Underground garages
- Slip resistant industrial floors



SYSTEM **BENEFITS**

- Economic coating system for car park deck
- Seamless and joint less application for reliable waterproofing
- Suitable for concrete slabs in contact to ground
- High wear and abrasion resistance
- Good chemical resistance (oil, de-icing salt, petrol, diesel)
- Slip resistant surface for car traffic and pedestrian traffic
- Available in many colours
- $I_n \geq 1.5$ mm according to DIN EN 13813
- $I_n \geq 2.5$ mm according to DIN EN 1504-2 and DIN V 18026
- Fire resistance class B_{fi}-S1

Manufacturer:

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APPLICATION AND CONSUMPTION

| layer | product | consumption (kg/m ²) | sand broadcasting (kg/m ²) | thickness mm | application |
|---|---|----------------------------------|--|--------------|------------------------------------|
| Seal coat, UV-resistant (alternative, not content of OS8 test report) | VIASOL PU-S650 | 0.6 – 0.9 | none | 0.5 – 0.7 | rubber squeegee, roller for finish |
| Seal coat | VIASOL EP-S602 | 0.55 – 0.9 | none | 0.5 – 0.7 | rubber squeegee, roller for finish |
| Scratch primer | VIASOL EP-T703 + filler QS 0.1 – 0.4 | 0.45 – 0.8 + QS 50 % | QS 0.3-0.8 mm in excess | 1.5 – 2.5 | notched trowel, roller for finish |
| Blocking primer ≤ 6 % CM (optional) | VIASOL EP-P210 or EP-T703 | 0.4 - 0.6 | none | ca. 0.3 | roller or rubber squeegee |
| 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 |
|--|-------------------------|---|
| Adhesive strength at T _{NORM} | EN 1542 | ≥ 4.3 N/mm ² (≥ 2.0 N/mm ²) |
| Adhesive strength after freeze-thaw with de-icing salt | EN 13687-1 and -2 | ≥ 4.3 N/mm ² (≥ 2.0 N/mm ²) |
| Dynamic crack bridging (-20°C) | EN 1062-7 | NPD |
| Grip and slip resistant | EN 13036-4 DIN 51130 | 60 Skt (≥ 55 Skt) R11-V4 and R12-V6 |
| Chemical resistance | EN 13529 | Test liquids DiBT no. 1, 3, 10 |
| Abrasion resistance (H22 wheel) | EN ISO 5470-1 | 1.903 mg /1000 U (≤ 3.000) |
| Carbon dioxide permeability | EN 1062-6 | class III > 2.500 m (> 50 m) |
| Water vapour permeability | EN ISO 7783-1 and -2 | class III > 200 m (> 50 m) |
| Water absorption coefficient | EN 1062-3 | < 0,01 kg/m ² x h ^{0.5} (< 0,1) |
| Impact resistance | EN ISO 6772-2 | 4 Nm – no cracks |
| Fire behaviour class system | 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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