

VIASOL system data sheet

VIASOL **DECK OS8**

Parking 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 and pedestrian traffic
- Available in many colours
- In ≥ 1.5 mm according to DIN EN 13813
- In ≥ 2.5 mm according to DIN EN 1504-2 and DIN V 18026
- Fire resistance class B_{fl}-S1
- suitable as a waterproofing of roofs and balconies according to DIN 18531-5
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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 _f -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

Manufacturer: