

VIASOL system data sheet

VIASOL *DECK rapid M (V1) – OS10*

Fast curing car park deck coating system with separate, manually applied waterproofing membrane and wear coat with enhanced crack bridging properties class B 4.2 (-20°C). For multi storey car parks with exposed and intermediate decks as well as sidewalks on bridges with pedestrian and vehicle traffic. According to 1) DIN EN 1504-2 and DIN V 18026; 2) RILI SIB 2001 class OS10; 3) DIN 183532 part 1 & 6

SYSTEM BUILD-UP



Line marking:
e.g. PU or acrylic



Wear coat, fast curing:
VIASOL UREA S6001 P



High elastic manually applied waterproofing membrane:
VIASOL PU-L2000



Primer for cementitious substrats:
VIASOL EP-T703 and EP-T703 S
Broadcasted with QS 0.3 - 0.8 mm



Substrate: concrete, cementitious screed and others

SYSTEM THICKNESS

< 4.0 mm

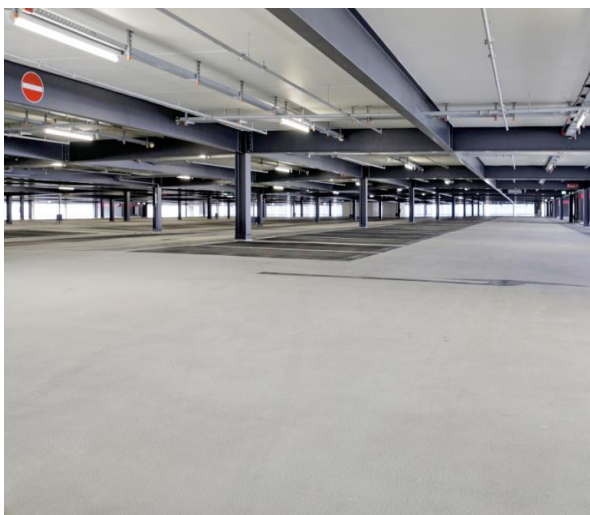


SYSTEM HIGHLIGHTS

- Approved acc. RILI SIB 2001, class OS10
- Crack bridging class B4.2 at -20°C (acc. EN 1062-7) and IV_{T+V} at -20°C (acc. ZTV-BEL-B 3)
- No plasticizers acc. VdL-Richtlinie 01
- Especially high wear resistance:
 - Parking Abrasion Test (PAT) with 15000 cycles: VK1 - very low wear
 - Loss of mass after 2000 double strokes (according to DIN EN 660-1:06): 0.0 g

APPLICATION FIELDS

- Exposed car park decks and covered intermediate decks
- Roof decks with car traffic
- Sidewalks on bridges



SYSTEM BENEFITS

- Fast and low temperature curing
- Seamless application with spray applied membrane for reliable waterproofing
- High abrasion resistance
- Good chemical resistance (oil, de-icing salt, petrol, diesel)
- Slip resistant surface for car and pedestrian traffic: R11, V10
- Pore-free wear layer
- Reduced use of quartz sand reduces transports on the construction site

Manufacturer:

VIACOR Polymer GmbH | Graf-Bentzel-Str.78 | 72108 Rottenburg | Germany | Tel: +49 7472 94999-0 | info@viacor.de | www.viacor.de

VIASOL system data sheet

VIASOL *DECK rapid M (V1) – OS10*

APPLICATION AND CONSUMPTION

Layer	Product	Consumption kg/m ²	Sand broadcasting mm	Thickness mm	Application
Wear coat, fast curing	VIASOL UREA S6001 P	2.5 – 3.0	none	1.5 – 2.0	trowel, long-handled squeegee, roller
Highly elastic water proofing manually applied membrane	VIASOL PU-L2000	3.0 – 3.2	none	ca. 2.0	notched trowel
Primer	VIASOL EP-T703	0.3 – 0.5	QS 0.3 – 0.8	ca. 0.3	roller or rubber squeegee
Alternative fast curing	VIASOL EP-T703 S				
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	≥ 2.7 N/mm ²
Adhesive strength after freeze-thaw with de-icing salt	EN 13687-1 and -2	1.6 N/mm ²
Dynamic crack bridging (-20°C)	EN 1062-7	B4.2, IV _{T+V}
Grip and slip resistant	EN 13036-4 DIN 51130	≥ 55 Skt R11 V10
Chemical resistance	EN 13529	Test liquids DiBT no. 1, 3, 10
Abrasion resistance (H22 wheel)	DIN ISO 9352, ASTM D 1044	< 700 mg /1000 U
Carbon dioxide permeability	EN 1062-6	class III > 2.500 m
Water vapour permeability	EN ISO 7783-1 and -2	class III > 200 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 classification	DIN 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 user's 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:

VIACOR Polymer GmbH | Graf-Bentzel-Str.78 | 72108 Rottenburg | Germany | Tel: +49 7472 94999-0 | info@viacor.de | www.viacor.de