








VIASOL system data sheet

VIASOL *DECK rapid (EP) -OS11a + OS10*

Fast curing car park deck coating system with separate, spray applied waterproofing membrane and wear coat with enhanced crack bridging properties class B 4.2 and IV_{T+V}. Suitable for multi storey car parks for exposed and intermediate decks and sidewalks on bridges with pedestrian and vehicle traffic. According to DIN EN 1504-2, DIN V 18026, class OS 11a (OS Fa) and RILI SIB 2001, class OS10.

SYSTEM BUILD-UP

-  Line marking:
e.g. PU or acrylic
-  Top coat, seal coat:
VIASOL PU-S690P or VIASOL EP-S602
-  Wear coat:
VIASOL PU-L315
broadcasted with QS 0.3-0.8 or 0.6-1.2 mm
-  High elastic spray membrane: (HWO₁)
VIASEAL UREA HYBRID 21/60
-  optional: Scratch coat, levelling coating
VIASOL PU-L315 (if necessary)
-  Primer for cementitious substrats:
VIASOL PU-P215 or VIASOL EP-T703
-  Substrate: concrete, cementitious screed,
asphalt, wood and others

SYSTEM HIGHLIGHTS

- Approved according to DIN EN 1504-2 and DIN V18026, class OS 11a, RILI SIB 2001, class OS10, BAST listed OS Fa
- Crack bridging class B4.2 and IV_{T+V}

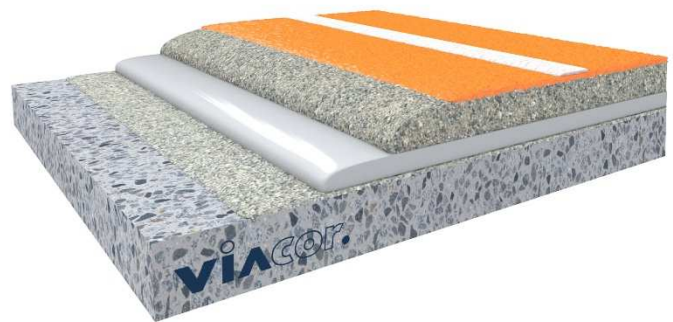


Manufacturer:

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SYSTEM THICKNESS

4.5 – 5.5 mm



APPLICATION FIELDS

- Exposed car park decks and covered intermediate decks
- Roof decks with car traffic
- Sidewalks on bridges
- Suitable as waterproofing of roofs and balconies according to DIN 18531-5

SYSTEM BENEFITS

- Fast and low temperature curing
- Dynamic crack bridging acc. to EN 1062-7 class B4.2 (-20°C) and RILI SIB class IV_{T+V}
- Seamless application with spray applied membrane for reliable waterproofing
- Separate waterproofing membrane and wear coat
- High abrasion resistance
- Good chemical resistance (oil, de-icing salt, petrol, diesel)
- Slip resistant surface for car traffic and pedestrian traffic
- Very high color and UV stability with PU
- Fire resistance class B_{fl}-S1

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APPLICATION AND CONSUMPTION

layer	product	consumption (kg/m ²)	sand broadcasting (kg/m ²)	thickness (mm)	application
Seal coat, UV- and colour stable, fast curing	VIASOL PU-S690P	0.6 – 0.9	none	0.5 – 0.7	rubber squeegee, roller for finish
Alternative seal coat EP	VIASOL EP-S602				
Wear coat (HWO ₂) fast curing	VIASOL PU-L315	1.2 – 1.3	QS 0.3-0.8 or 0.6-1.2 mm in excess	min. 3.0	notched trowel, roller for finish
Adhesion promoter (optional)	VIASOL PU-P255	0.08 – 0.1	none	-	roller or airless
Highly elastic water proofing spray applied membrane	VIASEAL UREA HYBRID 21/60 (spray applied membrane)	2.1 – 2.4	none	min. 1.5	2-C spray machine
Levelling layer/scratch coat fast curing (optional)	VIASOL PU-L315 + filler QS 0.1 – 0.4	0.5 – 1.5 + QS 25–100 %	QS 0.3-0.8 mm in excess	0.5 – 1.5	notched trowel, roller for finish
Primer, fast curing	VIASOL PU-P215	0.3 - 0.5	QS 0.3-0.8 mm 0.5 – 0.8	ca. 0.3	roller or rubber squeegee
alternative	VIASOL EP-T703				
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	1.5 N/mm ²
Dynamic crack bridging (-20°C)	EN 1062-7	IV T _{+V} , B4.2
Grip and slip resistant	EN 13036-4 DIN 51130	60 Skt R11-V4 and R12-V6
Chemical resistance	EN 13529	Test liquids DiBT no. 1, 3, 10
Abrasion resistance (H22 wheel)	DIN ISO 9352, ASTM D 1044	2.800 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}
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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issue: 10-2020