







VIASOL system data sheet

VIASOL *DECK 11a plus*

Car park deck coating system with separate membrane and wear coat with enhanced crack bridging properties (class B 3.2) for multi storey car parks for exposed and intermediate decks and sidewalks on bridges with pedestrian and vehicle traffic. According to EN 1504-2 and DIN V 18026, class OS 11a / OS Fa.

SYSTEM BUILD-UP

- Line marking:
e.g. PU or acrylic
-  Top coat, seal coat:
VIASOL EP-S602 or PU-S650
-  Wear coat (HWO2):
VIASOL PU-L300V
broadcasted with QS 0.3-0.8 or 0.6-1.2 mm
-  Highly elastic membrane (HWO1):
VIASOL PU-L300M
-  optional: Scratch coat, levelling coating
VIASOL EP-P210 or EP-T703 (if necessary)
-  Primer for cementitious substrates:
VIASOL EP-P210 or EP-T703
-  Substrate: concrete, cementitious screed and others

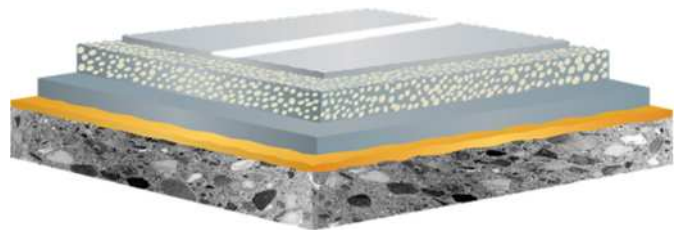
SYSTEM HIGHLIGHTS

- Separate membrane and wear coat
- Approved according to DIN EN 1504-2 and DIN V18026, class OS 11a, BAST listed OS Fa
- Crack bridging class B 3.2



SYSTEM THICKNESS

4.0 – 5.0 mm



APPLICATION FIELDS

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

SYSTEM BENEFITS

- Dynamic crack bridging acc. to EN 1062-7 class B 3.2 (-20°C)
- Seamless application for reliable liquid tight surfaces
- Separate 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
- Available in many colours
- Very high color and UV-stability with PU
- Fire resistance class B_{fl}-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)	VIASOL PU-S650	0.6 – 0.9	none	0.5 – 0.7	rubber squeegee, roller for finish
Seal coat	VIASOL EP-S602	0.5 – 0.9	none	0.5 – 0.7	rubber squeegee, roller for finish
Wear coat (HWO2)	VIASOL PU-L300V + 20 % QS 0.1-0.4 mm	1.6 – 1.9 + 20 % QS	QS 0.3-0.8 or 0.6-1.2 mm in excess	min. 3.0	notched trowel
High elastic water proofing membrane (HWO1)	VIASOL PU-L300M	1.8 – 2.1	none	min. 1.5	notched rubber squeegee or notched trowel
Levelling layer/scratch coat (optional)	VIASOL EP-T703 + filler QS 0.1 – 0.4	0.5 – 1.5 + QS 25–150 %	QS 0.3-0.8 mm in excess	0.5 – 1.5	notched trowel, roller for finish
Primer	VIASOL EP-P210 or EP-T703	0.3 - 0.5	QS 0.3-0.8 mm 0.5 – 0.8	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 $\geq 1.5 \text{ N/mm}^2$, residual moisture content $< 4 \% \text{-CM}$, 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	$\geq 3.1 \text{ N/mm}^2$ ($\geq 1.5 \text{ N/mm}^2$)
	Adhesive strength after freeze-thaw with de-icing salt	EN 13687-1 and -2	2.4 N/mm ² ($\geq 1.5 \text{ N/mm}^2$)
	Dynamic crack bridging (-20°C)	EN 1062-7	II T _{+V} (B 3.2)
	Grip and slip resistant	EN 13036-4 DIN 51130	57 Skt ($\geq 55 \text{ Skt}$) R11-V4 and R12-V6
	Chemical resistance	EN 13529	Test liquids DiBT no. 1, 3, 10
	Abrasion resistance (H22 wheel)	EN ISO 5470-1	2.100 mg /1000 U (≤ 3.000)
	Carbon dioxide permeability	EN 1062-6	class III $> 1.200 \text{ m}$ ($> 50 \text{ m}$)
	Water vapour permeability	EN ISO 7783-1 and -2	class III $> 200 \text{ m}$ ($> 50 \text{ m}$)
	Water absorption coefficient	EN 1062-3	$< 0,01 \text{ kg/m}^2 \times \text{h}^{0.5}$ ($< 0,1$)
	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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