

VIASOL DECK rapid / 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.

Application fields

Exposed car park decks and covered intermediate decks

Roof decks with car traffic

Suitable as waterproofing of roofs and balconies according to DIN 18531-5

Sidewalks on bridges

System Build-up

LINE MARKING

PU OR ACRYL



VIASOL PU-S690 P or VIASOL EP-S602

SEALER



VIASOL PU-L315

WEAR COAT



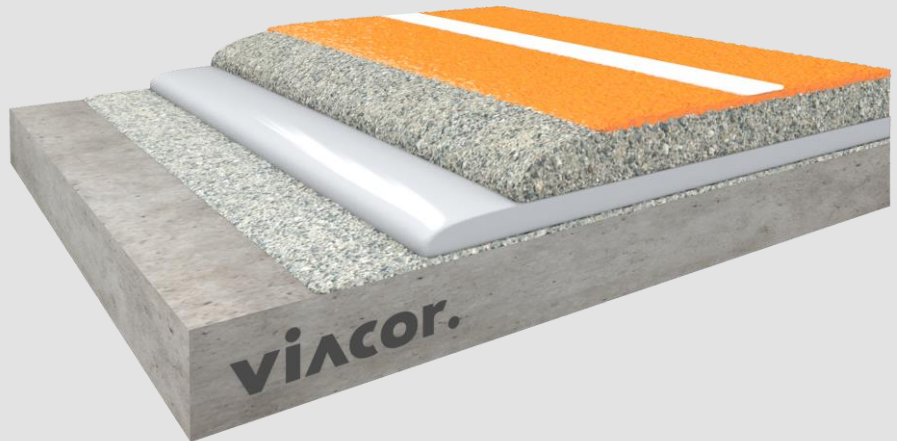
VIASOL UREA HYBRID 21/60

HIGH ELASTIC SPRAY MEMBRAN



VIASOL PU-P215 or VIASOL EP-T703

PRIMER



System Highlights

4,5 - 5,5 mm System thickness



Crack bridging class B4.2, IV_{T+V} (-20°C)



Fast and low temperature curing



Slip resistant surface for car traffic and pedestrian traffic



Good chemical resistance against gasoline and others

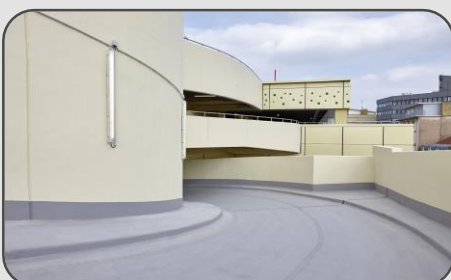


High abrasion resistance



Fire resistance class B_{fl-s1}

System Pictures



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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-S690 P	0,6 – 0,9	none	0,5 – 0,7	rubber squeegee, roller for finish
(Alternative) seal coat EP	VIASOL EP-S602				
Wear coat (HWO2) 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
(optional) Adhesion promoter	VIASOL PU-P255	0,08 – 0,1	none	-	roller or airless
Highly elastic water proofing spray applied membrane	VIASEAL UREA HYBRID 21/60	2,1 – 2,4	none	min. 1,5	2-C spray machine
(optional) Levelling layer/scratch coat, fast curing	VIASOL PU-L315 + QS 0.1 – 0.4 mm	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}	DIN EN 1542	$\geq 2,7$ N/mm ²
Adhesive strength after freeze-thaw with de-icing salt	DIN EN 13687-1 und -2	1,6 N/mm ²
Dynamic crack bridging (-20°C)	DIN EN 1062-7	IV _{T+V} and B4.2
Grip and slip resistant	DIN EN 13036-4 DIN 51130	60 Skt R11-V4 and R12-V6
Chemical resistance	DIN EN 13529	Test liquids DiBT Nr. 1, 3, 10
Abrasion resistance (H22 wheel)	DIN ISO 9352, ASTM D 1044	2.800 mg/1000 U
Carbon dioxide permeability	DIN EN 1062-6	Class III > 2.500 m
Water vapour permeability	DIN EN ISO 7783-1 und -2	Class III > 200 m
Water absorption coefficient	DIN EN 1062-3	< 0,01 kg/m ² x h ^{0,5}
Impact resistance	DIN 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: