

VIASOL DECK spray EP

(Formerly. VIASOL DECK rapid EP)

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 EP-S602**

SEALER


- VIASOL PU-L315**

WEAR COAT


- VIASOL HYBRID 21/60**

MEMBRAN


- 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



abrasion resistance



Fire resistance class B_{fl-s1}

System Pictures



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Broadcasting (kg/m ²)	Schichtdicke (mm)	Application
Sealer	VIASOL EP-S602	0,6 – 0,9	none	0,5 – 0,7	rubber squeegee, roller
Wear coat (HWO2) fast curing	VIASOL PU-L315	1,2 – 1,3	QS 0,3-0,8 oder 0,6-1,2 mm In excess	ca. 3,0	notched trowel, roller
(optional) Adhesion promoter	VIASOL PU-P255	0,08 – 0,1	none	-	roller or airless
Hoch elastische, maschinell aufgetragene Abdichtung	VIASEAL UREA HYBRID 21/60	2,1 – 2,4	none	ca. 2,0	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
Primer	VIASOL EP-T703	0,3 – 0,5	QS (0,3-0,8 mm) ca. 0,5 – 0,8	ca. 0,3	roller or rubber squeegee
Alternative: fast curing	VIASOL EP-T703 S				
Alternative: filled	VIASOL EP-P203 or VIASOL EP-P210				
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}	DIN EN 1542	$\geq 2,7 \text{ N/mm}^2$
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 $> 2.500 \text{ m}$
Water vapour permeability	DIN EN ISO 7783-1 und -2	Class III $> 200 \text{ m}$
Water absorption coefficient	DIN EN 1062-3	$< 0,01 \text{ kg/m}^2 \times \text{h}^{0,5}$
Impact resistance	DIN 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

Manufacturer: