

VIASOL DECK 11a plus

Parking 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. In accordance with EN 1504-2 and DIN V 18026, class OS 11a / OS Fa.

Application Fields

Exposed car park decks and covered intermediate decks

Sidewalks on bridges

Roof decks with car traffic

System Build-up

LINE-MARKING

E.G. PU OR ACRYL



VIASOL EP-S602

SEALER



VIASOL PU-L300 V

WEAR COAT (HWO₂)



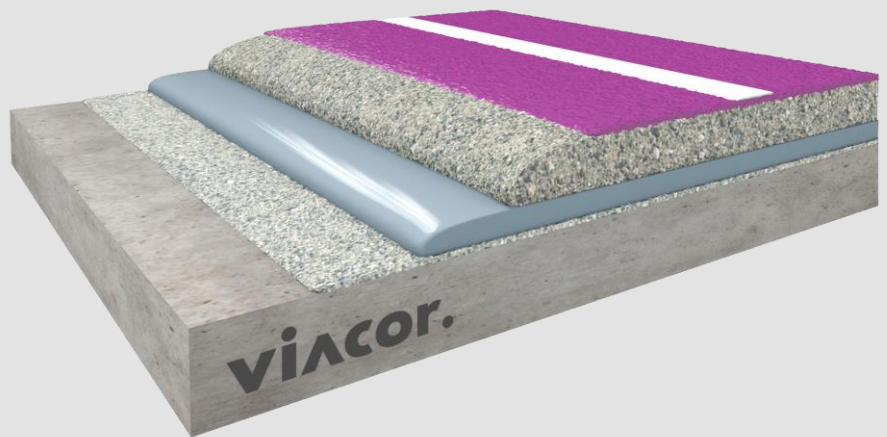
VIASOL PU-L300 M

HIGHLY ELASTIC MEMBRANE (HWO₁)



VIASOL EP-T703

PRIMER



System Highlights

4.0 - 5.0 mm System thickness



Dynamic crack bridging B3.2



High abrasion resistance



Very high color and UV-stability with PU sealer



Good chemical resistance



Slip resistant surface for car traffic and pedestrian traffic



Available in many colours



Fire resistance class Bfi-s1



Class OS 11a, OS Fa EN 1504-2 DIN V 18026

System Pictures



VIASOL DECK 11a plus

Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
Sealer	VIASOL EP-S602	0,6 – 0,9	none	0,5 – 0,7	Rubber squeegee, roller for finish
Alternative: UV and colour tone stable	VIASOL PU-S650				
Wear coat (HWO2)	VIASOL PU-L300 V + 20 % QS 0.1-0.4 mm	1.6 – 1.9 + 20 % QS	QS 0.3-0.8 oder 0.6-1.2 mm in excess	min. 3.0	notched trowel
Highly elastic waterproofing membrane (HWO1)	VIASOL PU-L300 M	1.8 – 2.1	none	min. 1.5	notched rubber squeegee or notched trowel
Optional: Levelling layer/scratch coat	VIASOL EP-T703 + QS 0.1 – 0.4 mm	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-T703	0,3 – 0,5	QS (0,3-0,8 mm) ca. 0,5 – 0,8	ca. 0,3	Roller or rubber squeegee
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 ≥ 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	≥ 3.1 N/mm ² (≥ 1.5 N/mm ²)
	Adhesive strength after freeze-thaw with de-icing salt	DIN EN 13687-1 und -2	2.4 N/mm ² (≥ 1.5 N/mm ²)
	Dynamic crack bridging (-20°C)	DIN EN 1062-7	II T _{TV} (B3.2)
	Grip and slip resistant	DIN EN 13036-4 DIN 51130	57 Skt (≥ 55 Skt) R11-V4 and R12-V6
	Chemical resistance	DIN EN 13529	Test liquids DiBT Nr. 1, 3, 10
	Abrasion resistance (H22 Rad)	DIN EN ISO 5470-1	2.100 mg /1000 U (≤ 3.000)
	Carbon dioxide permeability	DIN EN 1062-6	Class III > 1.200 m (> 50 m)
	Water vapour permeability	DIN EN ISO 7783-1 und -2	Class III > 200 m (> 50 m)
	Water absorption coefficient	DIN EN 1062-3	< 0.01 kg/m ² x h ^{0.5} ($< 0,1$)
	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: