SYSTEM DATA SHEET

VIASOL *DECK M rapid*

(Former VIASOL *DECK rapid M V1*)

Fast curing car park deck coating system with manuelly applied waterproofing membrane (highly dynamically crack-bridging acc. IV_{T+V} and B4.2 at -20°C) and with combined „ready-to-use“ wear coat. For multi storey car parks with exposed and intermediate decks as well as sidewalks on bridges with pedestrian and vehicle traffic. Acc. to 1) DIN EN 1504-2 and DIN V 18026; 2) RILI SIB 2001, class OS10; 3) DIN 18532 Part 1 and 6.

Application fields

- Top and intermediate decks with car traffic
- Weather exposed car park decks
- Sidewalks on bridges

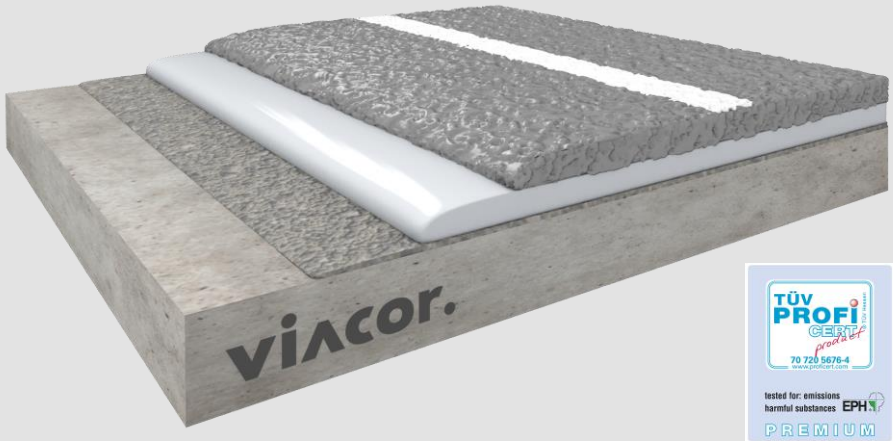
System build-up

VIASOL UREA S6400 P
LINE MARKING

VIASOL UREA S6001 P
WEAR COAT

VIASOL PU-L2000
WATERPROOFING MEMBRANE

VIASOL EP-T703
PRIMER



System highlights

3.5 - 4.5 mm System thickness

- **Híghest abrasion resistance**
- **Good chemical resistance against gasoline, diesel, de-icing salt and others**
- **Dynamic crack bridging class B4.2, IV_{T+V} at -20°C**
- **Seamless**
- **Slip resistant surface for car and pedestrian traffic: R11, V10**
- **Plasticizer-free acc. to VdL-Richtlinie 01**
- **Fast and low temperature curing**
- **Highest wear resistance acc. to Parking Abrasion Test and others**
- **Low emissions acc. to AgBB and other international standards**

System pictures

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Application and Consumption

Layer	Product	Consumption (kg/m²)	Sand broadcasting (mm)	Thickness (mm)	Application
„Ready-to-use" wear coat, fast curing	VIASOL UREA S6001 P	2.0 – 2.7	-	1.5 – 2.0	trowel, long-handled squeegee, roller
Highly elastic waterproofing membrane, manually applied	VIASOL PU-L2000	3.0 – 3.2	-	ca. 2.0	notched trowel
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: pre-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/mm², 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	≥ 2,7 N/mm²
Adhesive strength after freeze-thaw with de-icing salt	DIN EN 13687-1 und -2	1.6 N/mm²
Dynamic crack bridging (-20°C)	DIN EN 1062-7	B4.2, IV_{T+V}
Grip and slip resistance	DIN EN 13036-4 DIN 51130	≥ 55 Skt R11, V10
Chemical resistance	DIN EN 13529	Test liquids DiBT Nr. 1, 3, 10
Abrasion resistance (H22 wheel, 1000 cycles)	DIN ISO 9352, ASTM D 1044	< 700 mg
Parking Abrasion Test (PAT) with 500 kg load		VK 1 – Very low wear after 20,000 cycles
Double stroke test	DIN EN 660-1:06	Loss of mass 0.0 g
CO_2 permeability	DIN EN 1062-6	> 2,500 m
Water vapour permeability	DIN EN ISO 7783	> 50 m (class III)
Water absorption coefficient	DIN EN 1062-3	< 0.01 kg/(m² * $h^{0,5}$)
Impact resistance	DIN EN ISO 6772-2	4 Nm – no cracks
Fire classification	DIN EN 13501-1 EN 13501-5	B_{fl}-s1 B_{roof}-t4

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 user's 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