







VIASOL system data sheet

VIASOL **DECK 11a plus^{VM}** (formerly known as VIASOL **DECK TD**)

Car park flooring system with waterproofing membrane with enhanced crack bridging properties (class B3.2) for multi storey exposed and intermediate decks. In accordance with EN1504-2 and DIN V18026, class OS11a/OSFa.

SYSTEM BUILD-UP

-  UV seal coat:
VIASOL PU-S650^{VM} or PU-S6501P^{VM}
-  Top coat:
VIASOL PU-L310^{VM}
-  Wear coat:
VIASOL PU-L310^{VM}
broadcast with QS 0.3-0.8 or 0.6-1.2 mm
-  Elastic crack bridging membrane:
VIASOL PU-L310^{VM}
-  Primer for cementitious substrates:
VIASOL EP-P210^{VM}
-  Substrate:
Concrete, cementitious screed and others

SYSTEM THICKNESS

3.0 – 4.0 mm



SYSTEM HIGHLIGHTS

- Crack bridging capability
- Slip resistant surface for wet conditions
- Tough and durable
- Approved according to DIN EN 1504-2 and DIN V 18026, class OS11a, BAST listed OS Fa

APPLICATION FIELDS

- Exposed car park and intermediate decks
- Trafficable roof top



SYSTEM BENEFITS

- Dynamic crack bridging according to EN1062-7 class B3.2 (-20C)
- Flexible waterproofing layer with dynamic crack bridging capability
- Seamless finish for easy maintenance
- High abrasion resistance
- Good chemical resistance (oil, petrol, diesel)
- Wide range of slip resistant surface
- Available in many colours
- Excellent color and UV-stability with VIASOL PU-S650 or PU-S6501P seal coat
- Fire resistance class B_{fl-s1}

Manufacturer:

VIACOR Asia Sdn Bhd., No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, email: info@viacor.asia, www.viacor.asia – A division of VIACOR Polymer GmbH Germany

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SUBSTRATE REQUIREMENT

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 $< 4 \%$ -CM. 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. Should not applied if there is an existing sub-slab DPM.

Detailed application instructions are available upon request or refer to the technical product data sheet.

TECHNICAL DATA



property	standard	result
Adhesive strength	EN 1542	$\geq 3.1 \text{ N/mm}^2$ ($\geq 1.5 \text{ N/mm}^2$)
Grip and slip resistant	EN 13036-4 DIN 51130	57 Skt (≥ 55 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 6272-1	4 Nm – no cracks
Fire Resistance	EN13501-1	B _{fl-s1}
Dynamic crack bridging (-20C)	EN 1062-7	II _{T+V} (B3.2)

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.asia or contact us directly)– all technical information is subject to change without prior notice
VIACOR products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies which can be obtained on request.

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