






VIASOL system data sheet

VIASOL **DECK 11b plus^{VM}** (formerly known as VIASOL **DECK ID**)

Low VOC, polyurethane car park flooring system with enhanced crack bridging properties for multi storey car parks in intermediate decks with pedestrian and vehicle traffic. In accordance with DIN EN 1504-2 and DIN V 18026, class OS11b/OSFb.

SYSTEM BUILD-UP

-  UV seal coat:
VIASOL PU-S6501P^{VM}
-  Top coat:
VIASOL PU-L310^{VM}
-  Wear coat:
VIASOL PU-L310^{VM}
broadcasted with QS 0.3-0.8 or 0.6-1.2 mm
-  Primer for cementitious substrates:
VIASOL EP-P210^{VM}
-  Substrate:
concrete, cementitious screed and others

SYSTEM THICKNESS

1.5 – 2.0 mm

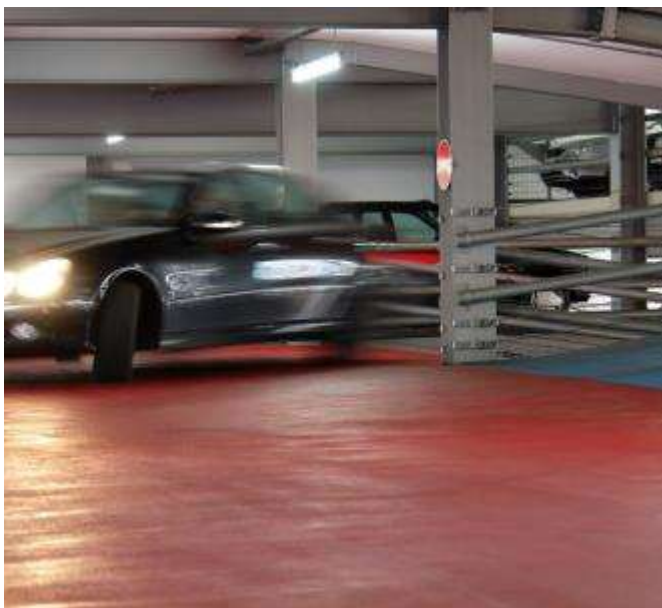


SYSTEM HIGHLIGHTS

- Low VOC
- Crack bridging properties
- Wide range of slip resistant surface
- Approved according to DIN EN 1504-2 and DIN V 18026, class OS11b, BAST listed OS Fb

APPLICATION FIELDS

- Intermediate car park decks
- Walkways for pedestrian
- Parking bay and driveway



SYSTEM BENEFITS

- Crack bridging capability
- Seamless finish for easy maintenance
- Wear resistant
- High abrasion resistance
- Good chemical resistance (oil, petrol, diesel)
- Wide range of slip resistant surface for vehicular and pedestrian traffic
- Available in many colours
- Very high color and UV-stability with VIASOL 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: sales@viacorasia.com, www.viacorasia.com

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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 $< 4 \text{ \%CM}$, with higher residual moisture and on substrates with moisture from the slab 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.

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

TECHNICAL DATA



property	standard	result
Adhesive strength	EN 13687-1 and -2	2.3 N/mm ² ($\geq 1.5 \text{ N/mm}^2$)
Grip and slip resistant	EN 13036-4 DIN 51130	60 Skt ($\geq 55 \text{ Skt}$) R11-V4 and R12-V6
Abrasion resistance (H22 wheel)	EN ISO 5470-1	1.27 mg /1000 U22
Carbon dioxide permeability	EN 1062-6	class III $> 1.200 \text{ m}$ ($> 50 \text{ m}$)
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	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.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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