

## SYSTEM DATA SHEET

# Sikafloor® MultiFlex PB-25 UV (G)

### UV STABLE, TRAFFICABLE WATERPROOFING DECK MEMBRANE SYSTEM

#### DESCRIPTION

Sikafloor® MultiFlex PB-25 UV (G) is a polyurea / polyurethane hybrid resin based, sprayed applied, fully trafficable waterproofing membrane system. The system is fast cure, hard wearing, has a seamless finish with UV resistant coatings for use on exposed deck car parking structures.

Suitable for use in hot and tropical climatic conditions.

#### USES

Sikafloor® MultiFlex PB-25 UV (G) may only be used by experienced professionals.

- Exposed car park concrete suspended decks and ramps requiring trafficable water proofing membranes with high crack bridge ability for occupied and non-occupied spaces.

#### CHARACTERISTICS / ADVANTAGES

- High degree of dynamic crack bridge ability
- Seamless
- UV stable
- High wear resistance
- Good chemical and mechanical resistance
- Waterproof
- Rapid spray applied application
- Skid/slip resistant
- Low maintenance

#### APPROVALS / CERTIFICATES

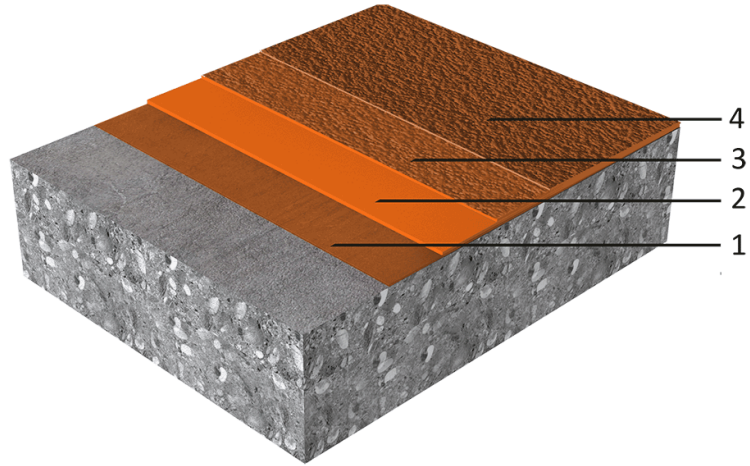
Sikafloor® MultiFlex PB-25 UV (G) complies with crack bridging ability according ASTM C957 / ASTM C836, test method ASTM C1305.

## PRODUCT INFORMATION

Packaging	Please refer to the individual Product Data Sheets
Shelf life	Please refer to the individual Product Data Sheets
Storage conditions	Please refer to the individual Product Data Sheets

## SYSTEMS

**System Structure** Sikafloor® MultiFlex PB-25 UV (G)



Layer	Product
1. Primer + Sand broadcast	Sikafloor®-161 + Sikadur®-507 quartz sand 0.3–0.7mm
2. Waterproofing membrane	Sikalastic®-851/-851 R
3. Wearing finish (1 <sup>st</sup> coat)	Sikafloor®-3240/-324 + Sikadur®-507 quartz sand
4. Wearing finish (2 <sup>nd</sup> coat)	Sikafloor®-3240/-324
5. Seal / Top coat	Sikafloor®-359 SG

Composition		
Primer		Epoxy resin
Membrane		Polyurethane / Polyurea Hybrid
Wearing finish		Polyurethane
Seal /Top coat		Aliphatic Polyurethane, solvent based

**Appearance** Skid / Slip resistant, matt finish

**Colour** Seal / Top coat available in many colours

**Nominal Thickness** ~2.0 mm

## TECHNICAL INFORMATION

**Tensile Adhesion Strength** > 1.5 N/mm<sup>2</sup> (EN 1542)

**Crack Bridging Ability** > 1.6 mm (ASTM C 957 / ASTM C 1305)  
 ≥ 3.2 mm (ASTM C 836 / ASTM C 1305)

**Chemical Resistance** Chemical resistant to de-icing salts, hydrocarbons and hydraulic oils. Sikafloor® MultiFlex PB-25 UV (G) always has to be sealed with Sikafloor®-359 SG therefore, refer to the chemical resistance of Sikafloor®-359 SG. Chemical resistance of Sikafloor®-359 SG is in accordance to ASTM D543-95.

## APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer + Sand broadcast	Sikafloor®-161 Sikadur®-507, quartz sand 0.3–0.7mm	0.3 - 0.4 kg/m <sup>2</sup> ~1.0 kg/m <sup>2</sup>
	2. Waterproofing Mem- brane	Sikalastic®-851/-851R	1.0 - 1.2 kg/m <sup>2</sup>
	3. Wearing finish (1 <sup>st</sup> coat) + Sand broad- cast	Sikafloor®-3240/-324 + aggregate (Sikadur®- 507)	0.3 - 0.4 kg/m <sup>2</sup> ~1.0 kg/m <sup>2</sup>
	4. Wearing finish (2 <sup>nd</sup> coat)	Sikafloor®-3240/-324	0.4 - 0.5 kg/m <sup>2</sup>
	5. Seal/Top Coat	Sikafloor®-359 SG	0.25 - 0.35 kg/m <sup>2</sup>

Note: Consumptions are theoretical and do not include any wastage or additional materials needed due to porosity, substrate profile etc. Please refer to the individual Product Data Sheet for additional information.

## MAINTENANCE

To maintain the appearance of the floor after application, Sikafloor® MultiFlex PB-25 UV (G) must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.

### CLEANING

Refer to the Sika Method Statement "Sikafloor®-Cleaning Regime"

## FURTHER INFORMATION

- Sika Method Statement: "Evaluation and preparation of surfaces for flooring systems"
- Sika Method Statement: "Mixing & Application of flooring systems"

## IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor® MultiFlex PB-25 UV (G) must be protected from damp, sweat, condensation and water for at least 2 hours.
- The incorrect assessment and treatment of cracks may lead to a reduced service life time and reflective cracking.
- For exact colour matching, ensure Sikafloor®-359 SG is applied from the same control batch number.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- Always ensure adequate fresh air ventilation during application and curing.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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ISO 14001: Sika UAE LLC,  
Sika Gulf B.S.C. (c),  
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OHSAS: Sika UAE LLC,  
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All products are supplied  
under a management  
system certified to conform  
to the requirements of the  
quality, environmental and  
occupational health &  
safety standards ISO 9001,  
ISO 14001 and OHSAS  
18001.

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