

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-27 UV G

UV STABLE, TRAFFICABLE, WATERPROOFING DECK MEMBRANE SYSTEM

DESCRIPTION

Sikafloor® MultiFlex PB-27 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 coating for use on exposed deck car parking structures. Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor® MultiFlex PB-27 UV G may only be used by experienced professionals.

- Exposed car park concrete suspended decks and ramps requiring trafficable combined durable waterproofing-flooring system with crack bridging ability, for occupied and non-occupied spaces.

FEATURES

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

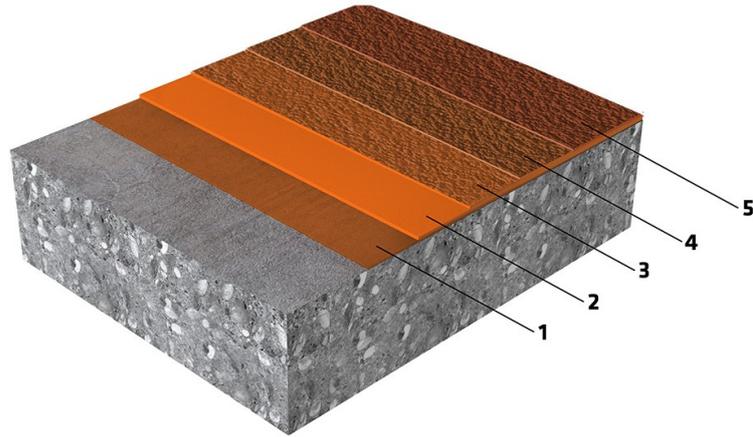
CERTIFICATES AND TEST REPORTS

Sikafloor® MultiFlex PB-27 UV G complies with crack bridging ability according to specification standards ASTM C957 and ASTM C836, test method ASTM C1305.

SYSTEM INFORMATION

System structure

Sikafloor® MultiFlex PB-27 UV G



Layer	Product
1. Primer + Sand broadcast	Sikafloor®-151 / -161 broadcasted with Sikafloor® SR 2 (quartz sand 0.3–0.7 mm)
2. Waterproofing membrane	Sikalastic® M 811 R ME
3. Tack coat + Sand broadcast	Sikafloor®-324 broadcasted with Sikafloor® SR 2 (quartz sand 0.3–0.7 mm)
4. Wearing coat	Sikafloor®-324
5. Top coat	Sikafloor® TC 257

Composition	Primer	Epoxy resin
	Broadcasting aggregate	Selected quartz sand
	Waterproofing membrane	Polyurethane / Polyurea hybrid
	Tack coat / Wearing coat	Polyurethane
	Top coat	Aliphatic polyurethane, solvent based

Appearance	Skid / Slip resistant, matt finish
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Colour	Top coat Sikafloor® TC 257 is available in variety of colours. Please refer to the individual Product Data Sheets.
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Nominal thickness	~2.0 mm
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TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1.5 N/mm ² (or concrete failure)	(EN 1542)
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Crack bridging ability	3.2 mm (dynamic, 10 cycles, at 23 °C)	(ASTM C1305)
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Chemical resistance	Chemical resistant to de-icing salts, hydrocarbons and hydraulic oils. Sikafloor® MultiFlex PB-27 UV G always has to be sealed with UV stable PU based top coat, therefore, refer to the chemical resistance of the top coat.	
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APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer	Sikafloor®-151 / -161	0.3 - 0.5 kg/m ²
	+ Sand broadcast	Sikafloor® SR 2	~1.0 kg/m ²
	2. Waterproofing membrane	Sikalastic® M 811 R ME	≥ 1.6 kg/m ²
	3. Tack coat	Sikafloor®-324	~0.4 kg/m ²
	+ Sand broadcast	Sikafloor® SR 2	~1.0 kg/m ²
	4. Wearing coat	Sikafloor®-324	≥ 0.5 kg/m ²
	5. Top coat	Sikafloor® TC 257	≥ 0.25 kg/m ²

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.

FURTHER DOCUMENTATION

- Sika General Method Statement: "Evaluation and preparation of surfaces for flooring systems"
- Sika General Method Statement: "Mixing & Application of flooring systems"
- Sika General Method Statement: "Sikafloor® MultiFlex PB-27 UV G"
- Product Data Sheet (PDS) of system components

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor® MultiFlex PB-27 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 top coat 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 CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- Top coat (only) may exhibit cracked appearance in areas of high elongation and crack bridging. This occurrence does not affect overall system performance.
- Not suitable for indoor application.
- Always respect the overcoating time between the products, as per Method Statement.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

MAINTENANCE INSTRUCTIONS

To maintain the appearance of the floor after application, Sikafloor® MultiFlex PB-27 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.

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 exact product data and uses.

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 9001, 14001, 45001 – SGS
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Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals for Manufacturing LLC
ISO 9001 – LMS
Sika MB LLC

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 ISO 45001.



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