

## 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 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
- Waterproof
- Rapid spray applied application
- Skid/slip resistant
- Low maintenance

### CERTIFICATES AND TEST REPORTS

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

### PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Packaging</b>          | Please refer to the individual Product Data Sheets |
| <b>Shelf life</b>         | Please refer to the individual Product Data Sheets |
| <b>Storage conditions</b> | Please refer to the individual Product Data Sheets |

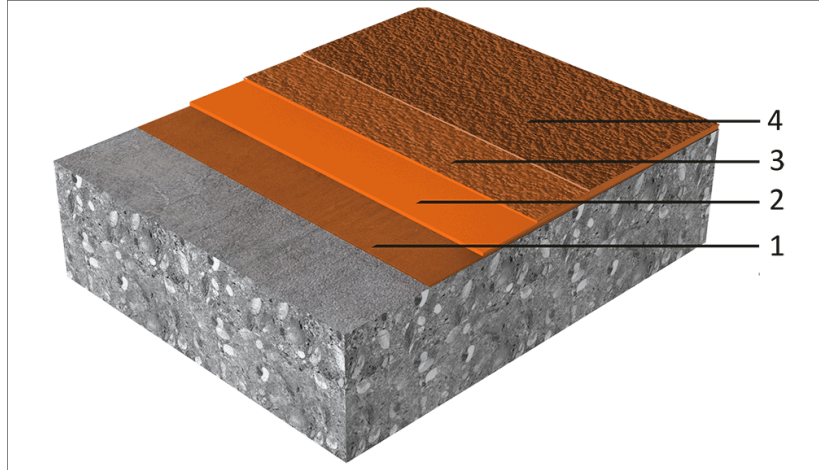
### TECHNICAL INFORMATION

|                                  |   |               |
|----------------------------------|---|---------------|
| <b>Tensile adhesion strength</b> | > 1.5 N/mm <sup>2</sup> (or concrete failure)   | (EN 1542)     |
| <b>Crack bridging ability</b>    | 3.2 mm  | (ASTM C 1305) |
| <b>Chemical resistance</b>       | Chemical resistant to de-icing salts, hydrocarbons and hydraulic oils. Sikafloor® MultiFlex PB-25 UV (G) always has to be sealed with UV stable PU based top coat, therefore, refer to the chemical resistance of the top coat. |               |

# SYSTEM INFORMATION

## System structure

## Sikafloor® MultiFlex PB-25 UV (G)



| Layer                      | Product  |
|----------------------------|--|
| 1. Primer + Sand broadcast | Sikafloor®-151 / -161 + Sikadur®-507 (quartz sand 0.3–0.7 mm)  |
| 2. Waterproofing membrane  | Sikalastic®-851 / -851 R   |
| 3. Wearing layer           | Sikafloor®-324 (1 <sup>st</sup> coat)<br>broadcasted with quartz sand<br>Sikafloor®-324 (2 <sup>nd</sup> coat) |
| 4. Seal / Top coat         | Sikafloor® TC 257 or Sikafloor®-359 SG   |

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

|                          |   |
|--------------------------|---|
| <b>Appearance</b>        | Skid / Slip resistant, matt finish        |
| <b>Colour</b>            | Seal / Top coat available in many colours |
| <b>Nominal thickness</b> | ~2.0 mm                                   |

## APPLICATION INFORMATION

| Consumption | Layer                      | Product  | Consumption  |
|-------------|----------------------------|--|--|
|             | 1. Primer + Sand broadcast | Sikafloor®-151 / -161<br>Sikadur®-507, quartz sand 0.3–0.7mm | 0.3 - 0.5 kg/m <sup>2</sup><br>~1.0 kg/m <sup>2</sup>                      |
|             | 2. Waterproofing Membrane  | Sikalastic®-851 / -851 R                                     | ~1.5 kg/m <sup>2</sup>   |
|             | 3. Wearing finish          | Sikafloor®-324<br>+ quartz sand<br>+ Sikafloor®-324          | ~0.4 kg/m <sup>2</sup><br>~1.0 kg/m <sup>2</sup><br>~0.5 kg/m <sup>2</sup> |
|             | 4. Seal/Top Coat           | Sikafloor®-359 SG, or<br>Sikafloor® TC 257                   | ~0.3 kg/m <sup>2</sup>   |

## 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 Method Statement: "Evaluation and preparation of surfaces for flooring systems"
- Sika Method Statement: "Mixing & Application of flooring systems"
- Sika Method Statement: "Sikafloor® MultiFlex PB-25 UV (G)"
- Product Data Sheet (PDS) of system components

## 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 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 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.
- 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-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.

## 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 Gulf B.S.C. (c)  
ISO 9001, 14001 – SGS  
- Sika Saudi Arabia Limited  
ISO 9001, 14001 – TÜV  
- Sika MB Construction Chemicals LLC  
- Sika Construction Chemicals for Manufacturing LLC  
- Master Builders Solutions 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.



### System Data Sheet

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