BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-55 UV

Coloured, UV-resistant, slip-resistant, crack-bridging car park decking system

SIKA NZ APPROVED CONTRACTOR ONLY

DESCRIPTION

Sikafloor® MultiFlex PB-55 UV is a coloured, UV-resistant, crack-bridging polyurethane car park decking system. It provides a hard-wearing, low-maintenance, slip-resistant finish.

USES

Sikafloor® MultiFlex PB-55 UV may only be used by experienced professionals.

Sikafloor® MultiFlex PB-55 UV is used in the following commercial and public buildings and areas:
- Car park decks

Sikafloor® MultiFlex PB-55 UV is used for interior and exterior applications.

CHARACTERISTICS / ADVANTAGES

- Good resistance to abrasion
- Good resistance to UV exposure
- Good crack-bridging ability
- Good mechanical resistance
- Very good yellowing resistance
- Seamless
- Impermeable to liquids

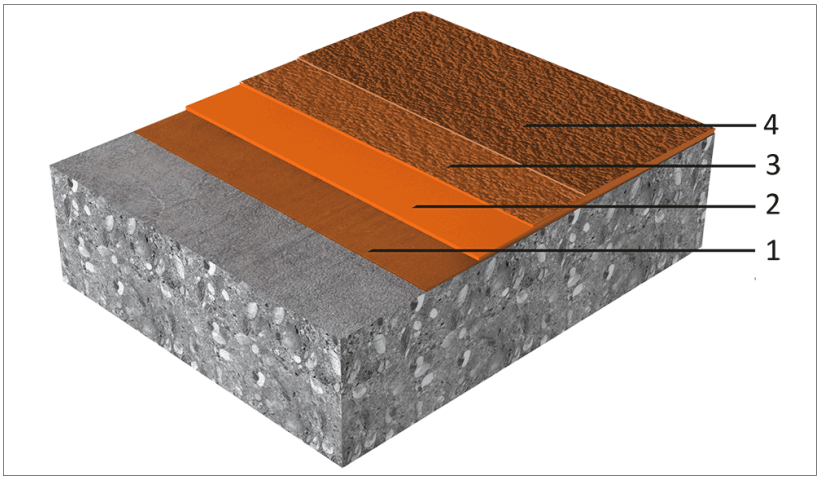
APPROVALS / STANDARDS

- Surface Protection system OS 11 A, kiwa, No. P 12112-3
- Fire Classification Report EN 13501-1, Ofi, No. 1902052-9
- Slip resistance DIN 51130, Roxeler, Certificate No. 020068-18-11

SYSTEM INFORMATION

System Structure

Sikafloor® MultiFlex PB-55 UV



	Layer	Product
1.	Primer	Sikafloor®-150 Sikafloor®-150 Plus Sikafloor®-151
2.	Waterproofing membrane	Sikafloor®-376
3.	Wearing layer	Sikafloor®-377 filled 1 : 0.4 with Quartz sand (0.1–0.3 mm) or Sika® Aggregate-508 Broadcast to excess with Quartz sand (0.3–0.8 mm) or Sika® Aggregate-501
4.	Top coat	2 x Sikafloor®-359 N

Composition	Polyurethane
Appearance	Slip-resistant, matt finish
Colour	Available in various colour shades.
Nominal thickness	4.5 - 6.0 mm

TECHNICAL INFORMATION

Resistance to Impact	IR1		(EN ISO 6272-1)
Tensile Adhesion Strength	> 1.5 N/mm²		(EN 1542)
Crack Bridging Ability	B 3.2 (–20 °C)		(EN 1062-7)
Reaction to Fire	Class C_{fl}-s1		(EN 13501-1)
Chemical Resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.		
Skid / Slip Resistance	Class	R 11; V 4	(DIN 51130)
Resistance to Wearing	AR0,5		(BS EN 13892-4)

APPLICATION INFORMATION

Consumption

Layer	Product	Consumption
Primer	Sikafloor®-150 Sikafloor®-150 Plus Sikafloor®-151 Quartz sand (0.3–0.8 mm) or Sika® Aggregate-501	1–2 × 0.3–0.5 kg/m² (~0.2-0.4L/m²) per layer 1.0 kg/m² broadcast
Waterproofing membrane	Sikafloor®-376	1.9–3.0 kg/m² (~1.6-2.5L/m²)
Wearing layer	Sikafloor®-377 filled 1 : 0.4 with Quartz sand (0.1–0.3 mm) Sika® Aggregate-508 Broadcast to excess with Quartz sand (0.3–0.8 mm) Sika® Aggregate-501	1.7 kg/m² (~1.25L/m²)resin + 0.85 kg/m² (quartz sand filler) Sika® Aggregate-508 4–6 kg/m² (broadcast) Sika® Aggregate-501
Top coat	Sikafloor®-359 N	2 x 0.4-0.5 kg/m2 (2 x 0.28-0.35L/m²)

The application rate of Sikafloor®-376 is dependant on the substrate surface roughness, R_z:

R_z = 0.0	1.9 kg/m² (~1.6L/m²)
R_z = 0.5	2.5 kg/m² (~2.1L/m²)
R_z = 1.0	3.0 kg/m² (~2.5L/m²)

Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Ambient Air Temperature

Maximum	+30 °C
Minimum	+10 °C

Relative Air Humidity

Maximum	80 % r.h.

Dew Point

Beware of condensation.
The substrate and uncured floor mst be at least 3°C above the dew point to reduce the risk of condensation on the floor finish.

Substrate Temperature

Maximum	+30 °C
Minimum	+10 °C

Substrate Moisture Content

≤ 4% pbw using Sikafloor®-150
≤ 6% pbw using Sikafloor®-151
Test method: Sika®-Tramex meter, CM - measurement or Oven-dry method.
No rising moisture according to ASTM (Polyethylene-sheet).
Osmosis caused by rising moisture or incorrect primer application is not covered by the product warranty.
When using Sikafloor®-150/-151 allow the

Waiting Time / Overcoating

Before applying Sikafloor®-376 on the primer allow:

Temperature	Minimum	Maximum
+10 °C	24 hours	4 days
+20 °C	12 hours	2 days
+30 °C	8 hours	1 day

Before applying Sikafloor®-377 on Sikafloor®-376 allow:

Temperature	Minimum	Maximum
+10 °C	24 hours	48 hours
+20 °C	15 hours	24 hours
+30 °C	8 hours	16 hours

Before applying the Sikafloor®-359 N on the broadcast Sikafloor®-377 allow:

Temperature	Minimum
+10 °C	24 hours
+20 °C	12 hours
+30 °C	5 hours

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

Applied Product Ready for Use

Temperature	Foot traffic	Light traffic	Full cure
+10 °C	48 hours	5 days	10 days
+20 °C	24 hours	3 days	7 days
+30 °C	16 hours	2 days	3 days

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

BASIS OF PRODUCT DATA

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

FURTHER DOCUMENTS

Refer to the following method statements:
- Sika Method Statement — Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement — Sikafloor® mixing and application

LIMITATIONS

Structural movement beyond the capability of the coating system may result in visible surface cracks of the wear layer and sealer top coats.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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