

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-58 UV

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

DESCRIPTION

Sikafloor® MultiFlex PB-58 UV is a waterproofing, UV-resistant, slip-resistant, highly crack-bridging polyurethane flooring system. It is part of the Sikafloor® Multiflex flooring range.

USES

Sikafloor® MultiFlex PB-58 UV may only be used by experienced professionals.

Sikafloor® MultiFlex PB-58 UV is used in the following commercial and public buildings and areas:

- Car park decks

Please note:

- The System may only be used by experienced professionals.

CHARACTERISTICS / ADVANTAGES

- Certified as OS 10 and OS 14 surface protection system
- Very good crack-bridging ability
- Impermeable to liquids
- Very good mechanical resistance
- Good resistance to UV exposure
- Good resistance to specific chemicals
- Scratch-resistant surface
- Low dirt pick-up
- Easy to clean and maintain
- Slip-resistant
- Seamless

APPROVALS / STANDARDS

- Fire Classification Report EN 13501-1, Ofi, No. 1902052-5
- Surface Protection System OS-10 and OS-14, Kiwa, Report No. P 12111-2
- Slip resistance DIN 51130, Roxeler, Certificate No. 020068-18-11

SYSTEM INFORMATION

System Structure	Layer	Product
1.	Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590 In addition, lightly broadcast with quartz sand 0.3–0.8 mm. Contact Sika Technical Service for information on choosing the right primer for your project.
2.	Waterproofing membrane	Sikalastic®-851
3.	Wearing layer	Sikafloor®-377 Filled 1:0.5 with Quartz sand (0.1–0.3 mm) Broadcast in excess with Quartz sand (0.3–0.8 mm)
4.	Top coat	Sikafloor®-359 N
Composition	Polyurethane / Polyurea-Hybrid / Epoxy	
Appearance	Slip-resistant, matt finish	
Colour	Available in various colour shades.	
Nominal thickness	6 mm	

TECHNICAL INFORMATION

Resistance to Impact	IR1	(EN ISO 6272-1)
Tensile Adhesion Strength	> 1.5 N/mm ²	(EN 1542)
Crack Bridging Ability	Dynamic	up to 0.5 mm, Class B 4.2 (-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.	
Permeability to Water Vapour	Class III: S _D > 50 m	(EN ISO 7783)
Capillary Absorption	w < 0.1 kg•m ⁻² •h ^{-0.5}	(EN 1062-3)
Permeability to Carbon Dioxide	s _D > 50 m	(EN 1062-6)
Skid / Slip Resistance	Class	R 11; V 4 (DIN 51130)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590	0.4 kg/m ² per primer layer 1.0 kg/m ² broadcast
	Waterproofing membrane	Sikalastic®-851	2.4 kg/m ²
	Wearing layer	Sikafloor®-377 Filled 1 : 0.5 with Quartz sand (0.1–0.3 mm) Broadcast in excess with Quartz sand (0.3–0.8 mm)	2.2 kg/m ² 1.1 kg/m ² filling 4.0–6.0 kg/m ² broadcast
	Top coat	Sikafloor®-359 N	0.7–0.9 kg/m ²

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.
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Dew Point
Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation on the surface of the applied product.

Substrate Temperature	Maximum	+30 °C
	Minimum	+10 °C

Substrate Moisture Content Refer to the individual Product Data Sheet.

Waiting Time / Overcoating
When using Sikafloor®-1590 refer to the individual Product Data Sheet for specific information on waiting time to overcoating.
Before applying Sikalastic®-851 on the primer allow:

Temperature	Minimum	Maximum
+10 °C	17 hours	4 days
+20 °C	9 hours	2 days
+30 °C	7 hours	1 day

Before overcoating Sikalastic®-851, wait 1–2 min at +20 °C
Before applying Sikafloor®-359 N on the broadcast Sikafloor®-377 allow:

Temperature	Waiting time
+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. Times are also dependant on layer thickness.

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

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 Material Safety Data Sheet (MSDS) 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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