BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-55

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

PRODUCT DESCRIPTION

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

USES

Sikafloor® MultiFlex PB-55 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

The System is used in industrial buildings such as:
- Car park decks

Please note:
- The System may only be used for interior applications.

CHARACTERISTICS / ADVANTAGES

- Good resistance to abrasion
- Good crack-bridging ability
- Good mechanical resistance
- Good resistance to specific chemicals
- Seamless
- Impermeable to liquids
- Improved blush resistance

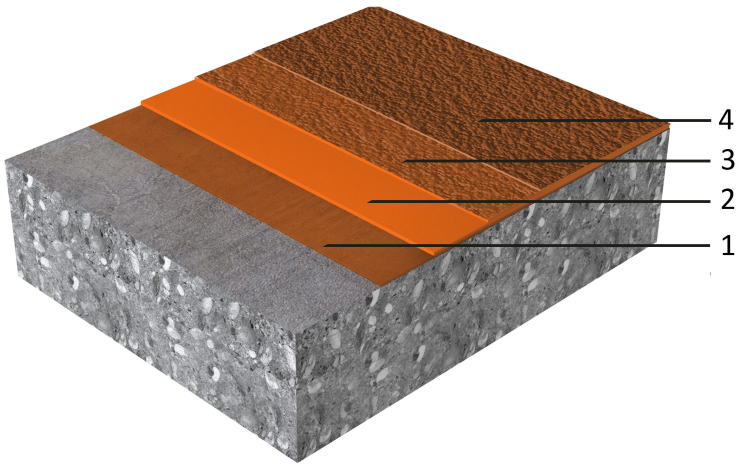
APPROVALS / STANDARDS

- Surface Protection system OS 11 A, kiwa, No. P 12112-2
- Fire Classification Report EN 13501-1, Ofi, No. 1902052-8
- Slip resistance DIN EN 16165, Roxeler, Certificate No. 020221-22-14

SYSTEM INFORMATION

System Structure

Sikafloor® MultiFlex PB-55



	Layer	Product
1.	Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590 Contact Sika technical service for information on choosing the right primer for your project.
2.	Waterproofing membrane	Sikafloor®-376
3.	Wearing layer	Sikafloor®-377 filled 1 : 0.4 with Quartz sand (0.1–0.3 mm) Broadcast to excess with Quartz sand (0.3–0.8 mm)
4.	Seal coat or top coat	Sikafloor®-378

Composition	Epoxy and Polyurethane
Appearance	Slip resistant, glossy finish
Colour	Available in various colour shades.
Nominal thickness	6.0 mm

TECHNICAL INFORMATION

Abrasion Resistance	Cured 7 days at +23 °C	2415 mg (H22 / 1000 g / 1000 cycles)	(EN ISO 5470-1)
Resistance to wearing	AR0.5		(EN 13813)
Resistance to Impact	Class I		(EN ISO 6272-1)
Tensile adhesion strength	> 1.5 N/mm²		(EN 1542)
Crack Bridging Ability	Dynamic	Class B 3.2 (-20 °C)	(EN 1062-7)
Reaction to Fire	Class B_{fl}-s1		(EN 13501-1)
Chemical Resistance	Laboratory defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Services for specific information.		

APPLICATION INFORMATION

Consumption

Layer	Product	Consumption
Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590	1-2 × 0.3–0.5 kg/m²
Levelling	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590	Refer to the individual Product Data Sheet.
Quartz sand broadcast	Quartz sand (0.3–0.8 mm)	1.0 kg/m²
Waterproofing membrane	Sikafloor®-376	1.9 kg/m²
Wearing layer	Sikafloor®-377 filled 1 : 0.4 with Quartz sand (0.1–0.3 mm)	1.44 kg/m² (resin) + 0.96 kg/m² (quartz sand)
Quartz sand broadcast	Quartz sand (0.3–0.8 mm)	4–6 kg/m²
Seal coat or top coat	Sikafloor®-378	0.7-0.9 kg/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 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

Refer to the individual Product Data Sheet.

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 Sikafloor®-376 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 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®-378 on the broadcast Sikafloor®-377 allow:

Temperature	Waiting time
+10 °C	24 hours
+20 °C	15 hours
+30 °C	8 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	72 hours	6 days	10 days
+20 °C	24 hours	4 days	7 days
+30 °C	18 hours	2 days	5 days

Note: Times apply when the last layer of the system has been applied. Times are affected by changing ambient conditions, particularly temperature and relative humidity.

VALUE BASE

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 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

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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.

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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