

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-55 UV

Polyurethane UV resistant elastic membrane car park decking system

DESCRIPTION

Sikafloor® MultiFlex PB-55 UV is a polyurethane, coloured, UV resistant, dynamic crack-bridging, slip-resistant car park decking system and is part of the Sikafloor® Multiflex flooring range. It provides a hard wearing, seamless, chemical resistant, low maintenance, slip resistant finish when broadcast with different aggregate grades and sealed with a matt finish seal coat. Varying thickness's can be achieved from 4,0 –6,0 mm. Internal and external use.

USES

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

For car park decks:

- UV exposed
- Turning areas

CHARACTERISTICS / ADVANTAGES

- Waterproof
- Resistant to UV exposure
- Dynamic crack bridging properties
- High mechanical resistance
- Good chemical resistance
- Good abrasion resistance
- Textured gloss finish
- Low dirt pick up
- Easy cleanability
- Seamless
- Slip and skid resistant surface
- Scratch resistant surface
- Easy application
- Low maintenance

SUSTAINABILITY

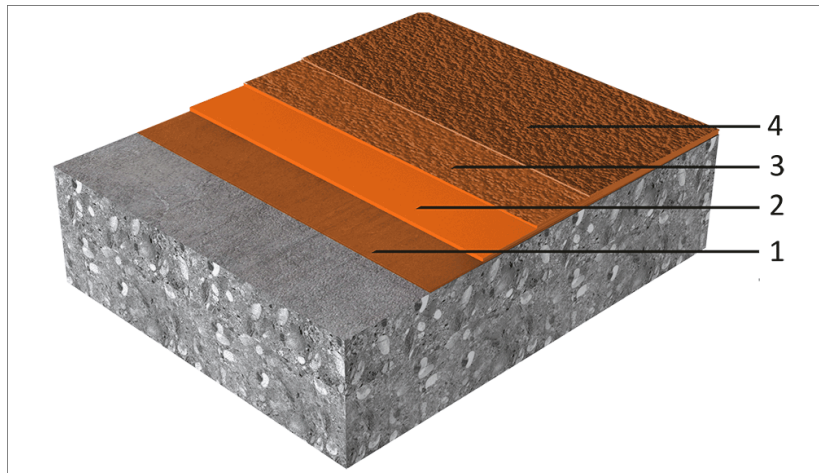
- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings

APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating - Sikafloor®-156, Sikafloor®-160, Sikafloor®-161, Sikafloor®-376, Sikafloor®-359 N
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings - Sikafloor®-156, Sikafloor®-160, Sikafloor®-161, Sikafloor®-376, Sikafloor®-359 N
- Coating system DAfStb Test Class OS 11 EN 1504-2, Sikafloor®MultiFlex PB-55 UV, kiwa, Test report No. P 11284-1b
- Reaction to Fire Classification DIN EN 13501-1, Sikafloor®MultiFlex PB-55 UV, Hoch, Classification report No. KB-Hoch-180049-2

SYSTEM INFORMATION

System structure



Layer	Product
1. Primer	Sikafloor®-150/-151 + Aggregate broadcast 0,4–0,8 mm
2. Membrane	Sikafloor®-376
3. Wearing layer	Sikafloor®-377 (filled 1:0.4 with quartz sand 0,1–3 mm) + Aggregate broadcast 0,4–0,8 mm
4. Seal / top coat	Sikafloor®-359 N

Composition	Polyurethane
Appearance	Textured, slip resistant, matt finish
Colour	Available in many colours
Nominal thickness	~4–6 mm

TECHNICAL INFORMATION

Shore A hardness	~60 (14 days/+23 °C)	(DIN 53505)
Abrasion resistance	< 3000 mg (CS 10/1000/1000)	(DIN 53109)
Resistance to wearing	AR 0,5	(DIN EN 13813)
Resistance to impact	Class I	(SO 6272)
Tensile strength	~11 N/mm ²	(EN 53504)
Tensile adhesion strength	> 1,5 N/mm	(EN 1542)
Crack bridging ability	Class B3,2 (-20 °C)	(EN 1062-7)
Reaction to fire	Cfl-s1	(EN 13501-1)
Chemical resistance	Sikafloor® MultiFlex PB-55 UV always has to be sealed with Sikafloor®-359 N. Refer to the chemical resistance of Sikafloor®-359 N.	
Permeability to water vapour	Class III	(EN ISO 7783-1)
Capillary absorption	w < 0,01 kg/(m ² ·h ^{0.5})	(EN 1062-3)
Skid / slip resistance	R12/V4	(DIN 51130)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer	Sikafloor®-150/-151 + Aggregate broadcast 0,4–0,8 mm	~0,4 kg/m ² /layer ~1,0 kg/m ²
	2. Membrane	Sikafloor®-376	~1,9 kg/m ² ⁽¹⁾
	3. Wearing layer	Sikafloor®-377 (filled 1:0,5 with quartz sand 0,1–0,3 mm) + Aggregate broadcast 0,4–0,8 mm	~1,7 kg/m ² (resin) + ~0,85 kg/m ² (quartz sand) ⁽²⁾ ~6,0–8,0 kg/m ²
	4. Seal / top coat	Sikafloor®-359 N	~0,7–0,9 kg/m ² /layer
<p>(1) Depends on roughness depth Rz (all values at +23 °C)</p> <ul style="list-style-type: none"> ▪ Rz = 0,0: ~1,9 kg/m² ▪ Rz = 0,5: ~2,5 kg/m² ▪ Rz = 1,0: ~3 kg/m² <p>(2) Depends on temperature</p> <ul style="list-style-type: none"> ▪ +23 °C: Filling 1:0,5 with quartz sand 0,1–0,3 mm ▪ < +15 °C: Filling 1:0,4 with quartz sand 0,1–0,3 mm <p>These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.</p>			
Material temperature	+10 °C min. / +30 °C max.		
Ambient air temperature	+10 °C min. / +30 °C max.		
Relative air humidity	80 % max.		
Dew point	The substrate and uncured floor products must be at least +3 °C above dew point to reduce the risk of condensation or surface damage of the floor finish.		
Substrate temperature	+10 °C min. / +30 °C max.		
Substrate moisture content	≤4 % parts by weight Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
Applied product ready for use	Temperature	Foot traffic	Light traffic
	+10 °C	~24 hours	~3 days
	+20 °C	~12 hours	~2 days
	+30 °C	~5 hours	~1 days
Times are approximate and will be affected by changing ambient and substrate conditions			

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 INFORMATION

- Sika® Method Statement: Sikafloor®-Cleaning Regime
- Sika® Method Statement: Mixing & Applications of Flooring Systems
- Sika® Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Individual Product Data Sheets within the flooring system

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor® products must be protected from damp, condensation and water for at least 24 hours.
- Uncured material reacts in contact with water (foaming).
- During application care must be taken that no sweat drops onto the fresh Sikafloor® products. Wear head and wrist bands.
- For exact colour matching, ensure the Sikafloor® product in each area is applied from the same control batch numbers.

- If temporary 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.

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.

MAINTENANCE

CLEANING

Refer to Sika® Method Statement: Sikafloor®-Cleaning Regime

LOCAL RESTRICTIONS

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

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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