BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor® MultiFlex PB-56 UV

Polyurethane UV and slip resistant flooring system

DESCRIPTION

Sikafloor® MultiFlex PB-56 UV is a polyurethane, coloured, elastic, UV resistant, crack-bridging, slip-resistant flooring 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 gloss finish seal coat. Varying thickness's can be achieved from 2,5 –3,5 mm. Internal and external use.

USES

Sikafloor® MultiFlex PB-56 UV may only be used by experienced professionals.

- UV exposed car park decks, garage floors and bridges
- Exposed surfaces requiring UV resistance
- Industrial production areas
- Industrial flooring for Storage, Logistic and Warehouses

CHARACTERISTICS / ADVANTAGES

- Waterproof
- Resistant to UV exposure
- 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

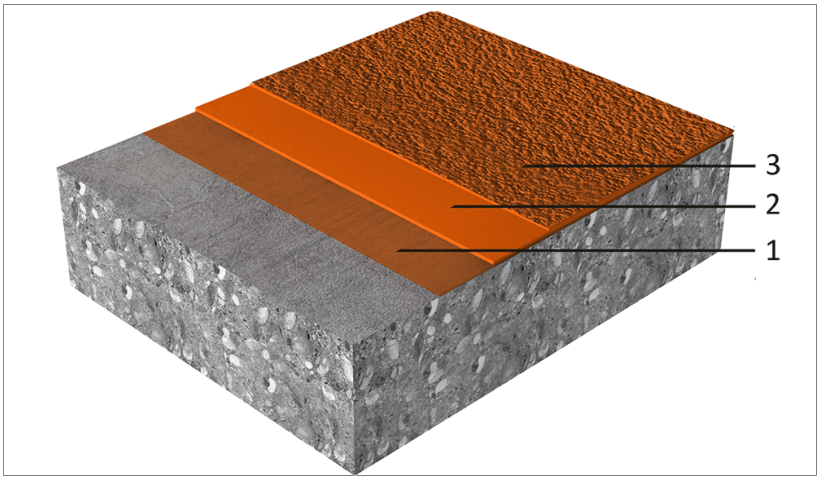
- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings - Sikafloor®-377

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®-377, 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®-377, Sikafloor®-359 N

SYSTEMS

System structure



Layer	Product
1. Primer	Sikafloor®-150/-151 + Aggregate broadcast 0,4–0,8 mm
2. Wearing layer	Sikafloor®-376 + Aggregate broadcast 0,4–0,8 mm
3. Seal / top coat	Sikafloor®-359 N

Composition	Polyurethane
Appearance	Textured, slip resistant, gloss finish
Colour	Available in many colours. Please contact our customer service, for information of which colors are sold in Denmark.
Nominal thickness	~2,5–3,5 mm

TECHNICAL INFORMATION

Shore D Hardness	~60 (14 days/+23 °C)	(DIN 53505)
Abrasion resistance	<200 mg (CS 10/1000/1000)	(DIN 53109)
Resistance to wearing	AR 0,5	(DIN EN 13813)
Resistance to impact	Class I	(ISO 6272)
Tensile strength	~11 N/mm²	(EN 53504)
Tensile adhesion strength	> 2 N/mm	(EN 1542)
Reaction to fire	Efl-s1	(EN 13501-1)
Chemical resistance	Sikafloor® MultiFlex PB-56 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	$w < 0,01\ kg/(m^2 \times h^{0,5})$	(EN 1062-3)
Permeability to carbon dioxide	$S_d \geq 50$ m	(EN 1062-6)
Skid / slip resistance	Class III	(EN 13036-4)

APPLICATION INFORMATION

Consumption

Layer	Product	Consumption
1. Primer	Sikafloor®-150/-151 + Aggregate broadcast 0,4–0,8 mm	~0,4 kg/m²/layer ~1,0 kg/m²
2. Wearing layer	Sikafloor®-376 (filled with 1:0,2 with quartz sand 0,1–0,3 mm) + Aggregate broadcast 0,4–0,8 mm	~2,1 kg/m² (resin) + ~0,42 kg/m² (quartz sand)(1) ~6,0–8,0 kg/m²
3.Seal / top coat	Sikafloor®-359 N	~0,7–0,9 kg/m²/layer

(1) Rz = 0.0; Rz=0,5 ~2,45 kg/m² (resin) + ~0,49 kg/m² (quartz sand); Rz=1,0 ~2,75 kg/m² (resin) + ~0,55 kg/m² (quartz sand); Rz-roughness depth; +23 °C

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Product 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	Full cure
+15 °C	~48 hours	~5 days	~10 days
+20 °C	~24 hours	~3 days	~7 days
+30 °C	~16 hours	~2 days	~3 days

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

PRODUCT INFORMATION

Packaging

Refer to the individual Product Data Sheets

Shelf life

Refer to the individual Product Data Sheets

Storage conditions

Refer to the individual Product Data Sheets

CLEANING

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

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 into 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 number.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to indentations in the resin.
- If temporary heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO_2 and H_2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

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.

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.

LEGAL NOTES

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