

## SYSTEM DATA SHEET

## Sikafloor® MultiFlex PS-32

SMOOTH, UNICOLOR, TOUGH-ELASTIC POLYURETHANE FLOOR COVERING

**DESCRIPTION**

Sikafloor® MultiFlex PS-32 is a multipurpose, tough-elastic and smooth polyurethane flooring system and is part of the Sikafloor® Multiflex flooring range. Sikafloor® MultiFlex PS-32 is especially designed for use in different indoor industrial applications where seamless, smooth and glossy hard-wearing floors are required.

Sikafloor® MultiFlex PS-32 consists of a tough-elastic, crack bridging polyurethane base coat which fulfils as well the stringent demands for low VOC emitting products.

**USES**

Sikafloor® MultiFlex PS-32 may only be used by experienced professionals.

- Life Science industry
- Automotive industry
- Food & Beverage industry
- Industrial flooring for Storage, Logistic and Sales areas
- Retail (e.g. Shopping Malls)

**CHARACTERISTICS / ADVANTAGES**

- Good mechanical resistance
- Crack-bridging properties
- Good chemical resistance
- Scratch resistant surface
- Low dirt pick up
- Easy to clean and maintain
- Seamless, gloss and smooth surface
- Low VOC content
- Flexible and tough-elastic

**SUSTAINABILITY**

Emission test according to the German AgBB-scheme and guidelines of the DiBt (AgBB – Committee for Health-related Evaluation of Building Products, DiBt – German Institute for Building Technology). Sampling, testing and evaluation were performed according to ISO-16000, Report No. 392-2015-00212801\_D\_DE\_02., Eurofins Product Testing A/S, Denmark.

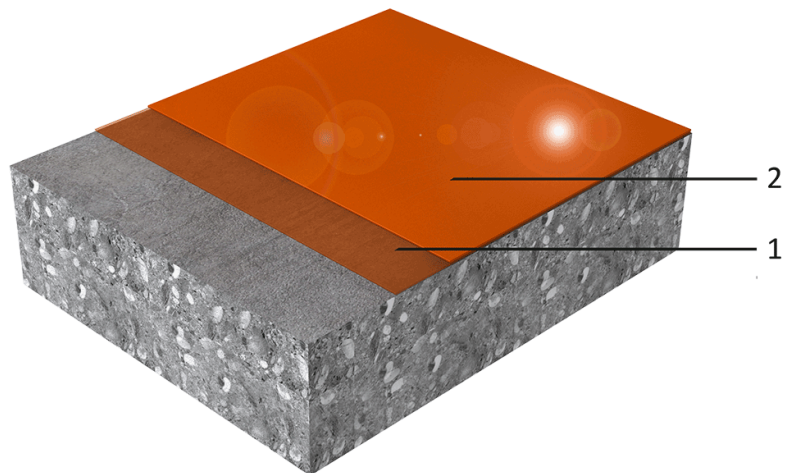
**APPROVALS / STANDARDS**

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance and provided with the CE marking
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance and provided with the CE marking
- Static crack bridging properties tested at IBOS GmbH, test report NO: 51-15-0056
- Fire classification reports No. 20150909/01 MPA Dresden
- Particle (vs.PA6) emission certificate: Cleanroom Suitable Materials - CSM. Statement of Qualification, class ISO 4. Tested by IPA report No. SI\_1506-767.
- Particle (vs.PA6) emission certificate: Cleanroom Suitable Materials - CSM. Statement of Qualification, GMP A. Tested by IPA report No. SI\_1506-767.
- Outgassing VOC emission certificate: Cleanroom Suitable Materials - CSM. Statement of Qualification, ISO-AMCm class -7.3. Tested by IPA report No. SI\_1506-767
- Biological Resistance Class “Very Good “–Cleanroom Suitable Materials. Evaluation of the biological resistance in accordance with ISO 846. Tested by IPA report No. SI\_1506-767.

# SYSTEMS

## System Structure

## Sikafloor® MultiFlex PS-32



Layer	Product	Consumption
1. Primer	Sikafloor®-156 or Sikafloor®-160 or Sikafloor®-161	~0.4 kg/m <sup>2</sup>
2. Base coat	Sikafloor®-3240  (filled 1:0.5 with quartz sand 0.1-0.3 mm)	~1.8 kg/m <sup>2</sup> /layer (~1mm thickness) (mixture)

Consumptions are theoretical and do not include any wastage or additional materials needed due to porosity, substrate profile etc.  
As optional primers Sikafloor®-144/-156/-701 can be used. Please refer to the individual Product Data Sheet.

<b>Chemical base</b>	Polyurethane
<b>Appearance</b>	Smooth, glossy finish
<b>Colour</b>	Standard colour on stock RAL 7032. Extended Colour Range on request.
<b>Nominal Thickness</b>	~2 mm
<b>Volatile organic compound (VOC) content</b>	Very low content of Volatile Organic Compounds. It fulfils the stringent demands for indoor air quality and low VOC emitting products AgBB, AFFSET, A+.

## TECHNICAL INFORMATION

<b>Shore D Hardness</b>	~60 (7 days / 23 °C / 50 % r.h.)	(DIN 53505)
<b>Abrasion Resistance</b>	~65 mg (14 days / +23 °C / 50 % r.h.)	(STM D 4060)
<b>Tensile Strength</b>	~14 N/mm <sup>2</sup> (14 days / 23 °C / 50 % r.h.)	(DIN EN ISO 527-2)
<b>Elongation at Break</b>	~90 % (resin / 28 days / +23 °C / 50 % r.h.)	(ISO 527-2)
<b>Crack Bridging Ability</b>	0.8 mm	(EN 1062-7)
<b>Reaction to Fire</b>	Bfl-s1	(EN 13501-1)
<b>Chemical Resistance</b>	Sikafloor® MultiFlex PS-32 is resistant to many chemicals. Please refer to the chemical resistance of Sikafloor® -3240.	
<b>Microbiological Resistance</b>	Class "Good "	ISO 846
<b>Skid / Slip Resistance</b>	R10	(DIN 51130)

## APPLICATION INFORMATION

<b>Product Temperature</b>	+10 °C min. / +30 °C max.			
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.			
<b>Relative Air Humidity</b>	80 % max.			
<b>Dew Point</b>	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.			
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.			
<b>Substrate Moisture Content</b>	Sikafloor® MultiFlex PS-32 can be installed on substrates with moisture content of max. 4 % (checked by Tramex). The substrate needs to be visibly dry and have adequate pull-off strength min 1.5 N/mm <sup>2</sup> . Check rising moisture.			
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
	+10 °C	~48 hours	~5 days	~14 days
	+20 °C	~24 hours	~3 days	~7 days
	+30 °C	~16 hours	~2 days	~5 days
Note: Times are approximate and will be affected by changing ambient and substrate conditions				

## PRODUCT INFORMATION

<b>Packaging</b>	Please refer to the individual Product Data Sheets
<b>Shelf life</b>	Please refer to the individual Product Data Sheets
<b>Storage conditions</b>	Please refer to the individual Product Data Sheets

## MAINTENANCE

### CLEANING

Please refer to the Sikafloor® Cleaning Regime

## FURTHER DOCUMENTS

### Substrate Quality & Preparation

Please refer to Sika Method Statement: "Evaluation and preparation of surfaces for flooring systems".

### Application Instructions

Please refer to Sika Method Statement: "Mixing & Application of flooring systems".

### Maintenance

Please refer to "Sikafloor® Cleaning regime".

## LIMITATIONS

- 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 fresh Sikafloor® products (wear head and wrist bands).
- For exact colour matching, ensure the Sikafloor®-3240 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 imprints in the resin.

- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO<sub>2</sub> and H<sub>2</sub>O 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. 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 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.

## 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. For information and advice on the safe handling, storage and disposal of chemical products,

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## 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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SikafloorMultiFlexPS-32\_en\_GR\_(02-2017)\_2\_1.pdf

System Data Sheet  
Sikafloor® MultiFlex PS-32  
February 2017, Version 02.01  
020812900000000040