

## SYSTEM DATA SHEET

# Sikafloor® MultiFlex PB-32

### POLYURETHANE SLIP-RESISTANT TOUGH-ELASTIC FLOORING SYSTEM

#### PRODUCT DESCRIPTION

Sikafloor® MultiFlex PB-32 is a polyurethane, slip resistant, tough-elastic flooring system. It provides a safe slip resistant surface in dry and wet conditions.

#### USES

Sikafloor® MultiFlex PB-32 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

Industrial slip resistant resin flooring on cementitious substrates for:

- Life Science production areas
- Automotive production plants
- Storage areas
- Logistic areas
- Multi-storey and underground car park intermediate decks

#### CHARACTERISTICS / ADVANTAGES

- Thickness ~3.0 mm.
- Good mechanical resistance
- Good chemical resistance
- Scratch resistant surface
- Low dirt pick up
- Easy cleanability
- Seamless
- Slip and skid resistant surface
- i-Cure based technology wearing layer
- Low VOC content
- Low maintenance
- Application on asphalt surfaces

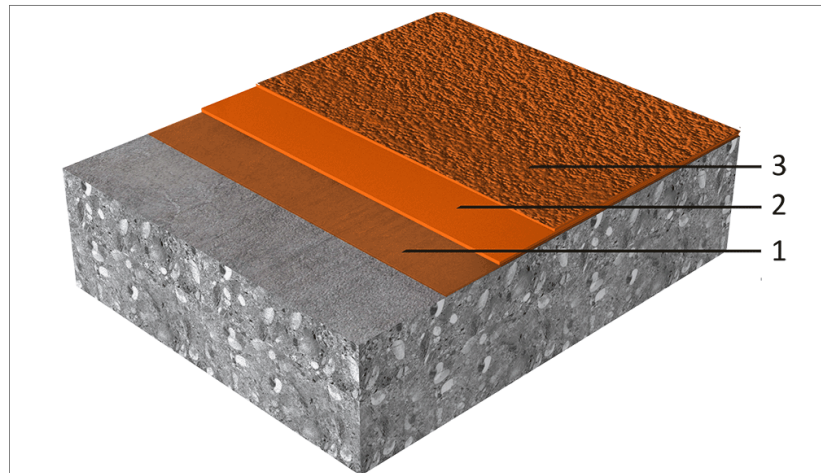
#### APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings
- Fire testing EN 13501-1, Sikafloor®-3240, MPA Dresden, Report No. 20150909/01

# SYSTEM INFORMATION

## System Structure

Sikafloor® MultiFlex PB-32 (~ 3.0 mm)



Layer	Product	Consumption
1. Primer	Sikafloor®-151	~0.4 kg/m <sup>2</sup> /layer
2. Wearing layer Broadcast	Sikafloor®-3240 (filled 1:0.5 with quartz sand 0.03–0.6 mm) by weight Quartz Sand (0.3–0.8 mm) to excess	~1.8–2.0 kg/m <sup>2</sup> ~4.0–5.0 kg/m <sup>2</sup>
3. Seal / Top coat	Sikafloor®-378	~0.7–0.9 kg/m <sup>2</sup>

Optional primers: Sikafloor®-150. Refer to the individual Product Data Sheet.

Optional Seal / Top coat: Sikafloor®-3240. Refer to the individual Product Data Sheets.

**On substrates with hot poured/mastic asphalt, use Sikafloor®-3240 as a primer.**

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

<b>Composition</b>	Polyurethane, epoxy
<b>Appearance</b>	Slip resistant, glossy finish
<b>Colour</b>	Seal / top coat colours: ~RAL 7023, 7030, 7032, 7035, 7037, 7038, 7040, 7042, 9002, 9010. Other colour shades on request.
<b>Nominal Thickness</b>	~3 mm

## TECHNICAL INFORMATION

<b>Shore D Hardness</b>	~60 (7 days / 23 °C / 50 % r.h.)	(DIN 53505)
<b>Abrasion Resistance</b>	~24 mg (CS 10/1000/1000)	(DIN 53109)
<b>Tensile Strength</b>	~14 N/mm <sup>2</sup> (14 days / 23 °C / 50 % r.h.)	(DIN EN ISO 527-2)
<b>Reaction to Fire</b>	Bfl-s1	(EN 13501-1)
<b>Chemical Resistance</b>	Sikafloor® MultiFlex PB-32 always has to be sealed with Sikafloor®-378. Refer to the chemical resistance of Sikafloor®-378.	
<b>Skid / Slip Resistance</b>	R10 / R11	(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 applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.		
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.		
<b>Substrate Moisture Content</b>	≤ 4 % parts by weight The following test methods can be used: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
<b>Applied Product Ready for Use</b>	<u>Temperature</u>	<u>Foot traffic</u>	<u>Light traffic</u>
	+15 °C	~72 hours	~6 days
	+20 °C	~24 hours	~4 days
	+30 °C	~18 hours	~2 days
			<u>Full cure</u>
			~10 days
			~7 days
			~5 days

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

## PRODUCT INFORMATION

<b>Packaging</b>	Refer to the individual Product Data Sheets
<b>Shelf Life</b>	Refer to the individual Product Data Sheets
<b>Storage Conditions</b>	Refer to the individual Product Data Sheets

## MAINTENANCE

### CLEANING

Refer to Sika Information Manual: Sikafloor®-Cleaning Regime

### FURTHER DOCUMENTS

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

- 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.
- 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<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.

### LIMITATIONS

- Freshly applied Sikafloor® products must be protected from damp, condensation and water for at least 24 hours.

## 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.

## 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.

## 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.

## 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.

### SIKA IRELAND LIMITED

Ballymun Industrial Estate  
Ballymun  
Dublin 11, Ireland  
Tel: +353 1 862 0709  
Web: [www.sika.ie](http://www.sika.ie)  
Twitter: @Sikalreland



System Data Sheet  
Sikafloor® MultiFlex PB-32  
November 2019, Version 02.01  
02081290000000042

SikafloorMultiFlexPB-32-en-IE-(11-2019)-2-1.pdf