

## SYSTEM DATA SHEET

# Sika Comfortfloor® PS-23

Soft-footfall, self-smoothing, low-VOC polyurethane flooring system

### DESCRIPTION

Sika Comfortfloor® PS-23 is a highly elastic, self-smoothing polyurethane flooring system. It is used where high comfort under feet, design options, jointless surfaces, and soft footfall are required. The System is part of the Sika Comfortfloor® decorative flooring range.

### USES

Sika Comfortfloor® PS-23 may only be used by experienced professionals.

Sika Comfortfloor® PS-23 is used in the following commercial and public buildings and areas:

- Healthcare facilities and hospitals
- Schools and universities
- Shopping malls and museums
- Residential areas and homes

Please note:

- The System may only be used by experienced professionals.
- The System may only be used for interior applications.

### CHARACTERISTICS / ADVANTAGES

- Decorative design
- Comfortable to walk on
- Low VOC emissions
- Low VOC content
- Low odour
- Seamless
- Good crack-bridging ability
- Good mechanical resistance
- Good resistance to abrasion
- Easy to apply
- Low maintenance

### ENVIRONMENTAL INFORMATION

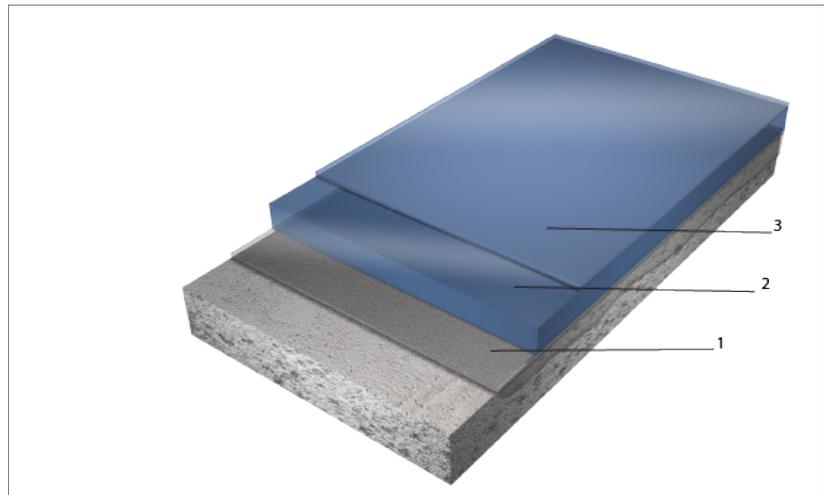
- Specific Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by BRE Global
- Contributes towards satisfying Indoor Environmental Quality (EQ) Credit: Low-Emitting Materials under LEED® v4
- Complies with the requirements of DIBt (June 2004) in combination with the NIK values from AgBB (March 2008) for use in the indoor environment.

### APPROVALS / STANDARDS

- Indoor Air Comfort Gold EN 16516, eurofins, No. IACG-439-01-05-2022
- Fire classification EN 13501-1, Sika® Comfortfloor® PS-23, GHENT, Test report No. CR 23-0943-01
- Floor testing, Sika Comfortfloor® PS-23, TFI, No. 391578-02

# SYSTEM INFORMATION

## System Structure



Layer	Product
1. Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-1590 Contact Sika Technical Service for information on choosing the right primer for your project.
2. Base layer	Sikafloor®-330
3. Top coat	Sikafloor®-305 W

An additional layer of Sikafloor®-304 W can be applied to the system for added protection. Refer to the individual Product Data Sheet.

Composition	Polyurethane
Appearance	Smooth, matt finish
Colour	Available in almost unlimited range of colour shades
Nominal thickness	2.0-3.0 mm

## TECHNICAL INFORMATION

Shore A Hardness	Cured 14 days at +23 °C	80	(EN ISO 868)
Resistance to Wearing	Wearing group P		(EN 660-2)
Resistance to moving furniture	No damage		(EN 424)
Castor chair resistance	No damage (25 000 cycles)		(EN 425)
Resistance to Impact	Class I		(EN ISO 6272-1)
Indentation	0.05 mm		(EN 433)
Tensile Strength	Cured 14 days at +23 °C	8.0 N/mm <sup>2</sup>	(DIN 53504)
Tensile Adhesion Strength	> 1.5 N/mm <sup>2</sup>		(EN 1542)
Elongation at break	Cured 14 days at +23 °C	150 %	(DIN 53504)
Reaction to Fire	Class B <sub>fl</sub> -s1		(EN 13501-1)
Resistance to Stubbed Cigarettes	Class 4		(EN 1399)

<b>Chemical Resistance</b>	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.		
<b>Resistance to UV Exposure</b>	8 / Colour fastness	(EN ISO 105-B02)	
<b>Sound Insulation</b>	2 mm accoustic layer thick- ness	$\Delta L_w=2$ dB	(ISO 10140-3)
<b>Skid / Slip Resistance</b>	Dry	0.48	(DIN EN 16165)
	Wet	0.49	

## APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-1590	1-2 × 0.3–0.5 kg/m <sup>2</sup>
	Wearing layer	Sikafloor®-330	2.6–2.8 kg/m <sup>2</sup> (2 mm)
	Top coat	Sikafloor®-305 W diluted 10 % with water	0.13–0.15 kg/m <sup>2</sup> per layer

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 the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

<b>Ambient Air Temperature</b>	Maximum	+30 °C
	Minimum	+15 °C

<b>Relative Air Humidity</b>	Maximum	80 % r.h.
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<b>Dew Point</b>	Refer to the individual Product Data Sheet.	
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<b>Substrate Temperature</b>	Maximum	+30 °C
	Minimum	+15 °C

<b>Substrate Moisture Content</b>	Refer to the individual Product Data Sheet.	
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**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®-330 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®-305 W on Sikafloor®-330, allow:

Temperature	Minimum	Maximum
+15 °C	24 hours	72 hours
+20 °C	18 hours	48 hours
+30 °C	16 hours	36 hours

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

<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
	+15 °C	30 hours	48 hours	6 days
	+20 °C	16 hours	24 hours	4 days
	+30 °C	12 hours	18 hours	3 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.

## 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 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

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.

## 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.

## 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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### System Data Sheet

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