

## SYSTEM DATA SHEET

# Sika Comfortfloor® PS-24

Soft-footfall, self-smoothing, low-VOC polyurethane flooring system with optional colour flakes



## DESCRIPTION

Sika Comfortfloor® PS-24 is a UV-resistant, highly elastic, self-smoothing polyurethane flooring system with high comfort under feet and soft footfall. It provides decorative design options using coloured chips, aggregates, and other fillers. The System is part of the Sika Comfortfloor® decorative flooring range.

## USES

Sika Comfortfloor® PS-24 may only be used by experienced professionals.

Sika Comfortfloor® PS-24 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.

## FEATURES

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

## SUSTAINABILITY

- 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 — 1–3 points
- Complies with the requirements of DIBt (June 2004) in combination with the NIK values from AgBB (March 2008) for use in the indoor environment.

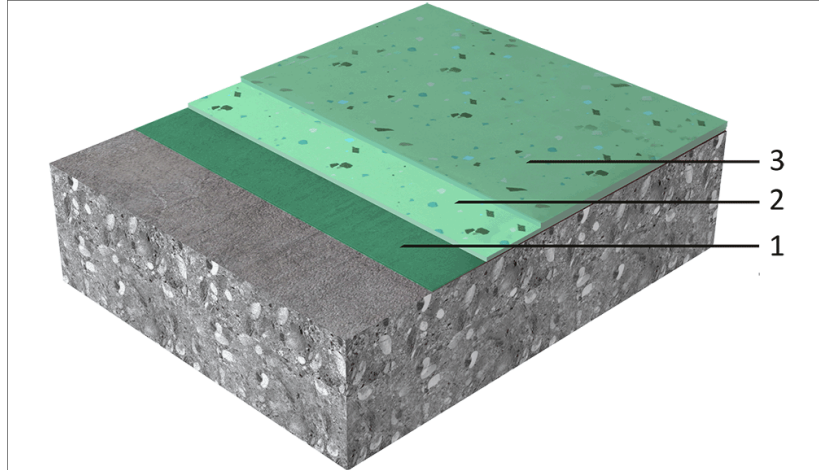
## CERTIFICATES AND TEST REPORTS

- Fire Behaviour EN 9239-1, Sika Comfortfloor® PS-24, Universiteit Gent Belgium, T
- Indoor Air Comfort Gold EN 16516, eurofins, No. IACG-439-01-05-2024B

# SYSTEM INFORMATION

## System structure

## Sika Comfortfloor® PS-24



Layer	Product
1. Primer	Sikafloor®-150 Sikafloor®-150 Plus Sikafloor®-151 Sikafloor®-1590 Sikafloor®-3159 Sikafloor® P 922 Contact Sika Technical Service for information on choosing the right primer for your project.
2. Wearing layer	Sikafloor®-3000 + PVA flakes broadcast
3. Top coat	Sikafloor®-304 W Sikafloor®-3004 W

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	84	(EN ISO 868)
Castor chair resistance	No damage (25 000 cycles)		(EN 425)
Resistance to impact	Class I: ≥ 4 Nm		(EN ISO 6272-1)
Tensile strength	Cured 14 days at +23 °C	8.0 N/mm <sup>2</sup>	(DIN 53504)
Tensile strain at break	Cured 14 days at +23 °C	70 %	(DIN 53504)
Tensile adhesion strength	> 1.5 N/mm <sup>2</sup>		(EN 1542)
Tear strength	Cured 14 days at +23 °C	18 N/mm <sup>2</sup>	(ISO 34-1)
Reaction to fire	Class B <sub>fl</sub> -s1		(EN 13501-1)
Chemical resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.		

<b>Airborne sound insulation</b>	2 mm acoustic layer thickness	$\Delta L_w = 2 \text{ dB}$	(ISO 10140-3)
<b>Skid / slip resistance</b>	Dry	0.50	(DIN EN 16165)
	Wet	0.44	
<b>Indentation</b>	0.02 mm		(EN 433)
<b>Resistance to wearing</b>	Wearing group P		(EN 660-2)
<b>Resistance to moving furniture</b>	No damage		(EN 424)
<b>Resistance to stubbed cigarettes</b>	Class 4		(EN 1399)

## APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150	1-2 × 0.3–0.5 kg/m <sup>2</sup>
		Sikafloor®-150 Plus	
		Sikafloor®-151	
		Sikafloor®-1590	
		Sikafloor®-3159	
		Sikafloor® P 922	
Wearing layer	Sikafloor®-3000 + PVA flakes broadcast (optional)		2.8 kg/m <sup>2</sup> (2 mm)
Top coat	Sikafloor®-304 W diluted with 10 % water Sikafloor®-3004 W undiluted		0.13–0.15 kg/m <sup>2</sup> per layer (diluted)
			0.1 kg/m <sup>2</sup> per layer (undiluted)

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.
<b>Dew point</b>	Refer to the individual Product Data Sheet.	
<b>Substrate temperature</b>	Maximum	+30 °C
	Minimum	+15 °C

**Substrate moisture content** Refer to the individual Product Data Sheet.

**Waiting time to overcoating** When using Sikafloor®-1590, Sikafloor®-3159 or Sikafloor® P 922 refer to the individual Product Data Sheet for specific information on waiting time to overcoating.

Before applying Sikafloor®-3000 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®-304 W or Sikafloor®-3004 W on Sikafloor®-3000, allow:

Temperature	Minimum	Maximum
+15 °C	24 hours	72 hours
+20 °C	16 hours	48 hours
+30 °C	5 hours	36 hours

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

Applied product ready for use	Temperature	Foot traffic	Light traffic	Full cure
	+10 °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 are approximate and will be 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 DOCUMENTATION

Refer to the following method statements:

- Sika Method Statement — Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement 8508410 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.

**Sika Hellas ABEE**  
 15, Protomagias Str.  
 GR 145 68, Kryoneri, Attica  
 Tel.: +30 210 81 60 600  
 E-mail: info@gr.sika.com  
 www.sika.gr



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