

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 for interior applications.

FEATURES

- 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

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.

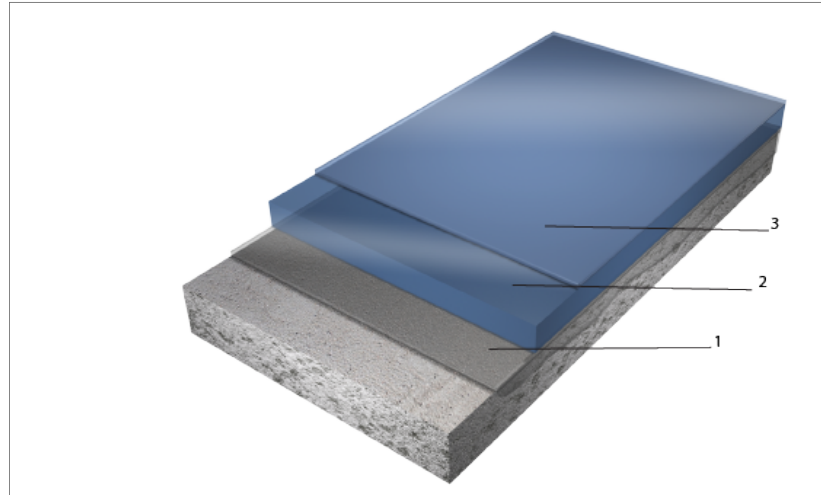
CERTIFICATES AND TEST REPORTS

- 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

Sika Comfortfloor® PS-23



Layer	Product
1. Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-1590 Sikafloor®-3159 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 a wide range of colours. Please contact our customer service, for information of which colors are sold in Denmark.
Nominal thickness	2.0–3.0 mm

TECHNICAL INFORMATION

Shore A hardness	Cured 14 days at +23 °C	80	(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 ²	(DIN 53504)
Tensile strain at break	Cured 14 days at +23 °C	150 %	(DIN 53504)
Tensile adhesion strength	> 1.5 N/mm ²		(EN 1542)
Reaction to fire	Class B _{fl} -s1		(EN 13501-1)
Chemical resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.		
Resistance to UV exposure	8 / Colour fastness		(EN ISO 105-B02)

Sound insulation	2 mm accoustic layer thick- ness	$\Delta L_w = 2 \text{ dB}$	(ISO 10140-3)
Skid / slip resistance	Dry	0.48	(DIN EN 16165)
	Wet	0.49	
Indentation	0.05 mm		(EN 433)
Resistance to wearing	Wearing group P		(EN 660-2)
Resistance to moving furniture	No damage		(EN 424)
Resistance to stubbed cigarettes	Class 4		(EN 1399)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150	1-2 × 0.3–0.5 kg/m ²
		Sikafloor®-151	1-2 × 0.3–0.5 kg/m ²
		Sikafloor®-1590	1-2 × 0.3–0.5 kg/m ²
		Sikafloor®-3159	1-2 × 0.5–0.6 kg/m ² (sandfilled)
	Wearing layer	Sikafloor®-330	2.6–2.8 kg/m ² (2 mm)
	Top coat	Sikafloor®-305 W di- luted 10 % with water	0.13–0.15 kg/m ² 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.

Ambient air temperature	Maximum	+30 °C
	Minimum	+15 °C
Relative air humidity	Maximum	80 % r.h.
Dew point	Refer to the individual Product Data Sheet.	
Substrate temperature	Maximum	+30 °C
	Minimum	+15 °C
Substrate moisture content	Refer to the individual Product Data Sheet.	
Waiting time to 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.

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 — 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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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