

SYSTEM DATA SHEET

Sika Comfortfloor® PS-27

Tough-elastic, self-smoothing, low-VOC polyurethane flooring system

PRODUCT DESCRIPTION

Sika Comfortfloor® PS-27 is a tough-elastic, self-smoothing polyurethane flooring system for seamless, hard-wearing floors. It is part of the Sika Comfortfloor® decorative flooring range.

USES

Sika Comfortfloor® PS-27 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

Sika Comfortfloor® PS-27 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
- Soft underfoot
- 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

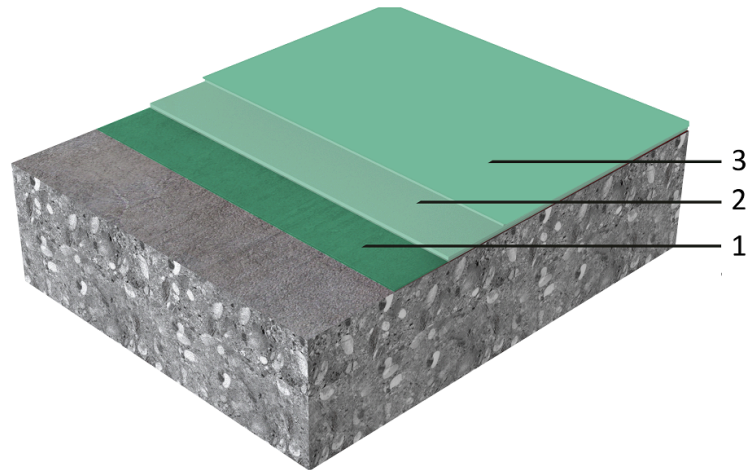
ENVIRONMENTAL INFORMATION

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

SYSTEM INFORMATION

System Structure

Sika Comfortfloor® PS-27



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 coat	Sikafloor®-327
3. Top coat	Sikafloor®-305 W

As additional protective layer Sikafloor®-304 W can be used. Refer to the individual Product Data Sheet for further information.

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 D Hardness	Cured 14 days at +23 °C	65	(EN ISO 868)
Resistance to Impact	Class I		(EN ISO 6272-1)
Tensile adhesion strength	> 1.5 N/mm ²		(EN 1542)
Crack Bridging Ability	Static	Class A3 (+20 °C)	(EN 1062-7)
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.		
UV Exposure	8 / Colour fastness		(EN ISO 105-B02)
Permeability to Water Vapour	Class III		
Capillary Absorption	< 0.1 kg·m ⁻² ·h ^{-0.5}		(EN 1062-3)
Permeability to CO ₂	Sd > 50 m		(EN 1062-6)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-1590	1-2 × 0.3–0.5 kg/m ²
	Levelling	Sikafloor®-150 Sikafloor®-151 Sikafloor®-1590	Refer to the individual Product Data Sheet.
	Base coat	Sikafloor®-327	2.8 kg/m ² (2 mm)
	Top coat	Sikafloor®-305 W diluted 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.
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Dew Point	Refer to the individual Product Data Sheet.	
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Substrate Temperature	Maximum	+30 °C
	Minimum	+15 °C

Substrate Moisture Content	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®-327 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®-327, 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
	+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 are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

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.

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

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.

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.

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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