

SYSTEM DATA SHEET

Sika Comfortfloor® PS-27

Seamless, Smooth, Unicolour, Low VOC, Tough-Elastic polyurethane floor covering

DESCRIPTION

Sika Comfortfloor® PS-27 is a tough-elastic polyurethane self-smoothing flooring system and is part of the Sika Comfortfloor® decorative flooring range. Sika Comfortfloor® PS-27 is especially designed for indoor applications where seamless hardwearing floors are required.

Sika Comfortfloor® PS-27 consists of a tough-elastic, crack bridging polyurethane base coat which fulfils as well the stringent demands for low VOC emitting products.

USES

Sika Comfortfloor® PS-27 may only be used by experienced professionals.

- Healthcare – Medical sector
- Education (e.g. Schools and Universities)
- Leisure & Culture (e.g. Museums, Libraries)
- Retail & Residential
- Storage facilities & Work shops

CHARACTERISTICS / ADVANTAGES

- Odourless
- Good resistance to fire
- Low VOC content
- Flexible and tough-elastic
- Crack-bridging
- Silky matt finish
- Good mechanical and abrasion resistance
- Easy application
- Easy to keep clean and maintain

SUSTAINABILITY

- Eurofins Emission tested according to the AgBB- and French labelling schemes and guidelines. Sampling, testing and evaluation were performed according to ISO-16000, Report No 392-2013-00094801_02

APPROVALS / CERTIFICATES

- Fire classification according to EN 13501-1, report CR-13-167/1 Ghent University
- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance and provided with the CE mark
- Surface protection coating for concrete according to EN 1504-2:2004, Declaration of Performance and provided with the CE mark

SYSTEMS

System structure	Sika Comfortfloor® PS-27	
	Layer	Product
	1. Primer	Sikafloor®-150/-151
	2. Base coat	Sikafloor®-327
	3. Top coat	Sikafloor®-305 W
	As additional protective layer Sikafloor®-304 W can be used. Please refer to the individual Product Data Sheet.	
Composition	Polyurethane	
Appearance	Smooth, matt finish	
Colour	Available in almost unlimited choice of colour shades.	
Nominal thickness	~2–3 mm	
Volatile organic compound (VOC) content	Very low content of Volatile Organic Compounds. It fulfils the stringent demands for indoor air quality and low VOC emitting products AgBB, A+	

TECHNICAL INFORMATION

Shore D Hardness	~65 (14 days / +23 °C)	(DIN 53505)
Abrasion resistance	< 3000 mg	(EN ISO 5470-1)
Resistance to impact	Class I	(ISO 6272)
Tensile adhesion strength	> 2.0 N/mm ²	(EN 13892-8)
Reaction to fire	Bfl-s1	(EN 13501-1)
Chemical resistance	Sika Comfortfloor® PS-27 always has to be sealed with Sikafloor®-305 W. Refer to the chemical resistance of Sikafloor®-305 W.	
Resistance to UV exposure	8 / Colour fastness	(EN ISO 105-B02:2002)
Permeability to water vapour	Class III	(EN ISO 7783-1/-2)
Capillary absorption	< 0.01 kg/m ² h ^{0.5}	(EN 1062-3)
Permeability to carbon dioxide	> 50 meter	(EN 1062-6)
Skid / slip resistance	R10 / R11	(DIN 51130)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer	Sikafloor®-150/-151	~0.4 kg/m ² /layer
	2. Base coat	Sikafloor®-327	~2.8kg/m ² (2 mm)
	3. Top coat	Sikafloor®-305 W	0.15 kg/m ² /layer
	Consumptions are theoretical and do not include any wastage or additional materials needed due to porosity, substrate profile etc.		
Product temperature	+15 °C min. / +30 °C max.		
Ambient air temperature	+15 °C min. / +30 °C max.		
Relative air humidity	80 % max.		

Dew point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or other disturbance of the surface on the floor finish			
Substrate temperature	+15 °C min. / +30 °C max.			
Substrate moisture content	Sika Comfloor® PS-27 can be installed on substrates with moisture content of max. 4 % (checked by Tramex). The substrate needs to be visibly dry and have adequate pull-off strength min 1.5 N/mm ² . Check rising moisture.			
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 and substrate conditions				

PRODUCT INFORMATION

Packaging	Please refer to the individual Product Data Sheets
Shelf life	Please refer to the individual Product Data Sheets
Storage conditions	Please refer to the individual Product Data Sheets

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 INFORMATION

Substrate quality & Preparation

Please refer to Sika Method Statement: "Evaluation and preparation of surfaces for flooring systems".

Application instructions

Please refer to Sika Method Statement: "Mixing & Application of flooring systems".

Maintenance

Please refer to "Sikafloor®- Cleaning regime".

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor® products must be protected from damp, condensation and water for at least 24 hours.
- Uncured material reacts in contact with water (foaming).
- During application care must be taken that no sweat drops into 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 number.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

MAINTENANCE

CLEANING

Please refer to the Sikafloor®- Cleaning Regime

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.

SYSTEM DATA SHEET

Sika Comfloor® PS-27
March 2021, Version 02.01
020812900000000005

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.

Sika Danmark A/S

Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk



SYSTEM DATA SHEET

Sika Comfortfloor® PS-27
March 2021, Version 02.01
020812900000000005

SikaComfortfloorPS-27-en-DK-(03-2021)-2-1.pdf