

SYSTEM DATA SHEET

Sika ComfortFloor® PS-22

Smooth unicolour low VOC elastic polyurethane floor covering

PRODUCT DESCRIPTION

Sika ComfortFloor® PS-22 is an elastic, self-smoothing polyurethane flooring system. It is especially designed for seamless indoor applications that are required to be soft underfoot and at the same time wear and scratch resistant.

USES

Sika ComfortFloor® PS-22 may only be used by experienced professionals.

The System can be used in commercial and public buildings and areas such as:

- Schools, universities and libraries
- Offices and administration centres
- Healthcare facilities, care homes and hospitals
- Shopping centres and malls
- Restaurants, canteens and cafes
- Residential areas and homes
- Hotels and guesthouses
- Heritage tourist attractions, museums and visitor centres

SYSTEM INFORMATION

System Structure	Primer or scratch coat	Sikafloor®-150/-151 Refer to the individual Product Data Sheet.
	Wearing layer	Sikafloor®-3310 (unfilled or filled with quartz sand)
	Seal coat / top coat	Sikafloor®-305 W
Composition	Polyurethane	
Appearance	Final floor appearance	Silky matt finish
Colour	Available in a wide range of colours. Please contact Sika customer service for availability.	
Nominal thickness	~2 mm to 3 mm	

CHARACTERISTICS / ADVANTAGES

- Provides low life cycle cost due to a good wear and scratch resistance.
- Contributes to a good indoor air quality and is tested to most recognised Green Building schemes.
- Can be overcoated at the end of the lifetime and doesn't need to be disposed of.
- Comfortable to walk on.
- Available in standard and customised colours.
- Easy to clean and maintain.

ENVIRONMENTAL INFORMATION

- Class A+ according to French Regulation on VOC emissions.
- VOC emission classification of building materials RTS M1.
- Complies with Indoor Air Comfort Gold® limit values by EUROFINS.
- VOC emission certificate according to AgBB und DIBT approval requirements.

TECHNICAL INFORMATION

Shore A Hardness	~80 (after 14 days at +23 °C, unfilled)	(EN ISO 868)
Resistance to moving furniture	No damage	(EN 424)
Castor chair resistance	No damage (25 000 cycles)	(EN 425)
Resistance to Impact	Class I: ≥ 4 Nm	(EN ISO 6272-1)
Indentation	0,05 mm	
Tensile Strength	~8,0 N/mm ²	(EN ISO 527-2)
Tensile adhesion strength	> 1,5 N/mm ² (failure in concrete)	(EN 1542)
Elongation at Break	~150 % (after 14 days at +23 °C, Base coat, unfilled)	(EN ISO 527-2)
Reaction to Fire	Bfl-s1	(EN 13501-1)
Chemical Resistance	The System always has to be sealed with Sikafloor®-305 W. Refer to the chemical resistance of Sikafloor®-305 W.	
UV Exposure	8 / Colour fastness	(EN ISO 105-B02)
Skid / Slip Resistance	R10 / R11	(DIN 51130)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption	
	Primer or scratch coat	1 × Sikafloor®-150/ -151	~0,3 kg/m ² to 0,5 kg/m ²	
	Wearing layer	1 × Sikafloor®-3310*	~2,8 kg/m ² (2 mm)	
	Seal coat / top coat	1 - 2 × Sikafloor®-305 W	~0,15 kg/m ² per layer	
* Sikafloor®-3310 can be filled up to 2 : 1 with quartz sand (0,1– 0,3 mm) by weight with a consumption of ~3,4 kg/m ² in 2 mm (resin - ~2,26 kg and quartz sand ~1,13 kg)				
Ambient Air Temperature	Minimum	+15 °C		
	Maximum	+30 °C		
Relative Air Humidity	80 % r.h. max			
Substrate Temperature	Minimum	+15 °C		
	Maximum	+30 °C		
Substrate Moisture Content	< 4 % part by weight			
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 apply when the last layer of the system has been applied. Times are affected by changing ambient conditions, particularly temperature and relative humidity.				

VALUE BASE

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

CONSIDERATIONS FOR APPLICATION

IMPORTANT

Temporary heating

If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish. For heating, use only electric powered warm air blower systems.

IMPORTANT

Indentations

Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading may lead to indentations in the resin.

IMPORTANT

Protecting the material after application

After application, protect the System from damp, condensation and direct water contact for at least 24 hours.

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 LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



System Data Sheet
Sika ComfortFloor® PS-22
August 2022, Version 01.01
02081290000000089

SikaComfortFloorPS-22-en-GB-(08-2022)-1-1.pdf