

## SYSTEM DATA SHEET

# Sika Comfortfloor® PS-63

SEAMLESS, SMOOTH, UNICOLOUR, LOW VOC, SOUND INSULATING, ELASTIC POLYURETHANE FLOOR COVERING

### PRODUCT DESCRIPTION

Sika Comfortfloor® PS-63 is a liquid-applied elastic polyurethane self-smoothing flooring system and is part of the Sika Comfortfloor® decorative flooring range.

Sika Comfortfloor® PS-63 is an ergonomic, sound dampening, low emission floor which is UV stable, aesthetically pleasing, easy to care for and to maintain while consisting an acoustic thick layer.

Sika Comfortfloor® PS-63 is especially designed for indoor applications where high comfort under feet, design, a jointless surface and soft footfall are required.

### USES

Sika Comfortfloor® PS-63 may only be used by experienced professionals.

- Commercial and public buildings
- healthcare facilities
- Schools
- Retail spaces & laboratories
- Nursing facilities
- Showrooms & lobbies
- Museums and office space.

### CHARACTERISTICS / ADVANTAGES

- Low VOC emission
- Flexible and resilient
- Good acoustic isolation
- Good mechanical resistance
- Good UV resistance
- Reduces footfall sound

- Attractive colours available using pigmented UV stable topcoat
- Non shrinking after cure
- High strength
- Low maintenance and life cycle cost
- Tough, durable and seamless floor

### ENVIRONMENTAL INFORMATION

- Emission tested according to the AgBB-scheme and guidelines of the DiBt (AgBB – Committee for Health related Evaluation of Building Products, DiBt – German Institute for Building Technology). Sampling, testing and evaluation were performed according to ISO-16000
- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings

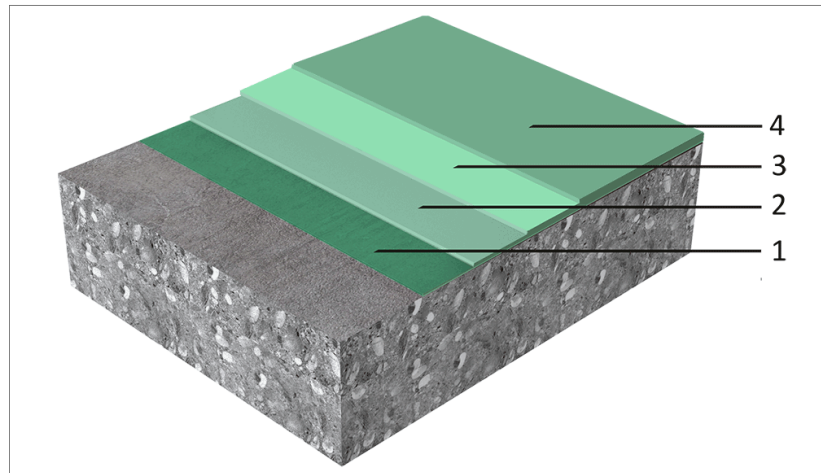
### APPROVALS / STANDARDS

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance and provided with the CE mark
- Reaction to Fire classification according to DIN EN 13501-1.
- Impact sound reduction according EN ISO 140-8
- Castor wheel suitability according to EN 425
- Residual indentation according to EN 433

# SYSTEM INFORMATION

## System Structure

## Sika Comfortfloor® PS-63



Layer	Product
1. Primer	Sikafloor®-150/-151
2. Acoustic layer	Sikafloor®-320
3. Base coat	Sikafloor®-330
4. Top coat	Sikafloor®-305W (min. 2 layers)

<b>Composition</b>	Polyurethane
<b>Appearance</b>	Smooth, matt finish
<b>Colour</b>	Refer to product datasheet for Sikafloor®-305w or Sikafloor® Colour Chart for standard colours.
<b>Nominal thickness</b>	~ 6 mm
<b>Volatile organic compound (VOC) content</b>	Very low content of Volatile Organic Compounds. It fulfils the stringent demands for indoor air quality and low VOC emitting products AgBB

## TECHNICAL INFORMATION

<b>Shore A Hardness</b>	~ 80 (14 days/+23°C)	(DIN 53505)
<b>Castor chair resistance</b>	No damage (25000 cycles)	(EN 425:1994)
<b>Resistance to Impact</b>	Class I	(ISO 6272)
<b>Indentation</b>	0.06 mm	(EN 433:1994)
<b>Tensile Strength</b>	~ 1.0 N/mm <sup>2</sup> (14 days/+23°C/Base coat)	(DIN 53504)
<b>Tensile adhesion strength</b>	> 1.5 N/mm <sup>2</sup>	(EN 13892-8)
<b>Tear Strength</b>	~ 11 N/mm (Base coat)	(ISO 34-1)
<b>Elongation at Break</b>	~150 % (14 days / +23 °C / Base coat)	(DIN 53504)
<b>Reaction to Fire</b>	Cfl-s1	(EN 13501-1)
<b>Chemical Resistance</b>	Sika Comfortfloor® PS-63 always has to be sealed with Sikafloor®-305 W. Therefore, refer to the chemical resistance of Sikafloor®-305 W.	
<b>UV Exposure</b>	8 / Colour fastness	(EN ISO 105-B02:2002)
<b>Sound Insulation</b>	12 dB	(EN ISO 140-8)
<b>Skid / Slip Resistance</b>	R10 / R11	(DIN 51130)

## APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer	Sikafloor®-150/-151	~0.4 kg/m <sup>2</sup> /layer
	2. Acoustic layer	Sikafloor®-320	~3.5 kg/m <sup>2</sup>
	3. Base coat	Sikafloor®-330	~2.8kg/m <sup>2</sup> (2 mm)
	4. Top coat	Sikafloor®-305 W +5% water	~0.13 kg/m <sup>2</sup> /layer (min. 2 layers)

Consumptions are theoretical and do not include any wastage or additional materials needed due to porosity, substrate profile etc.

<b>Product Temperature</b>	+15 °C min. / +30 °C max.																
<b>Ambient Air Temperature</b>	+15 °C min. / +30 °C max.																
<b>Relative Air Humidity</b>	80 % max.																
<b>Dew Point</b>	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																
<b>Substrate Temperature</b>	+15°C min. / +30°C max.																
<b>Substrate Moisture Content</b>	Sika Comfortfloor® PS-63 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 <sup>2</sup> . Check rising moisture.																
<b>Applied Product Ready for Use</b>	<table><thead><tr><th>Temperature</th><th>Foot traffic</th><th>Light traffic</th><th>Full cure</th></tr></thead><tbody><tr><td>+15 °C</td><td>~ 30 hours</td><td>~ 48 hours</td><td>~ 6 days</td></tr><tr><td>+20 °C</td><td>~ 16 hours</td><td>~ 24 hours</td><td>~ 4 days</td></tr><tr><td>+20 °C</td><td>~ 12 hours</td><td>~ 18 hours</td><td>~ 3 days</td></tr></tbody></table>	Temperature	Foot traffic	Light traffic	Full cure	+15 °C	~ 30 hours	~ 48 hours	~ 6 days	+20 °C	~ 16 hours	~ 24 hours	~ 4 days	+20 °C	~ 12 hours	~ 18 hours	~ 3 days
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Note: Times are approximate and will be affected by changing ambient and substrate conditions

## PRODUCT INFORMATION

<b>Packaging</b>	Please refer to the individual Product Data Sheets
<b>Shelf Life</b>	Please refer to the individual Product Data Sheets
<b>Storage Conditions</b>	Please refer to the individual Product Data Sheets

## MAINTENANCE

### CLEANING

Please refer to the Sikafloor®- Cleaning Regime

### Application Instructions

Please refer to Sika Information Manual: "Mixing & Application of flooring systems".

### Maintenance

Please refer to "Sikafloor®- Cleaning regime".

## FURTHER DOCUMENTS

### Substrate Quality & Preparation

Please refer to Sika Information Manual: "Evaluation and preparation of surfaces for flooring systems".

## LIMITATIONS

- 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 CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

## 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.

## 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.

## 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.

## 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

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