

## SYSTEM DATA SHEET

# Sika Comfortfloor® PS-23

SEAMLESS, LOW VOC, ELASTOMERIC FLOORING FOR INTERIOR CONCRETE SURFACES ENGINEERED WITH SIKAFLOOR® - 330 @ 93 - 120 MILS (2.4 - 3.0 MM)

### PRODUCT DESCRIPTION

Sika Comfortfloor® PS-23 is an ergonomic, sound dampening, low emission floor which is UV stable, decorative and easy system to maintain. Sika Comfortfloor® PS-23 is a seamless, fluid applied urethane floor system comprised of 100% solids epoxy primer, pigmented self leveling urethane body coat and a wear resistant, pigmented water based urethane top coat. Sika Comfortfloor® PS-23 is typically installed @ 93 - 120 mils (2.4 - 3.0 mm).

### USES

Sika Comfortfloor® PS-23 may only be used by experienced professionals.

- Healthcare facilities
- Schools and universities
- Leisure & culture facilities
- Retail & residential
- Commercial and public buildings

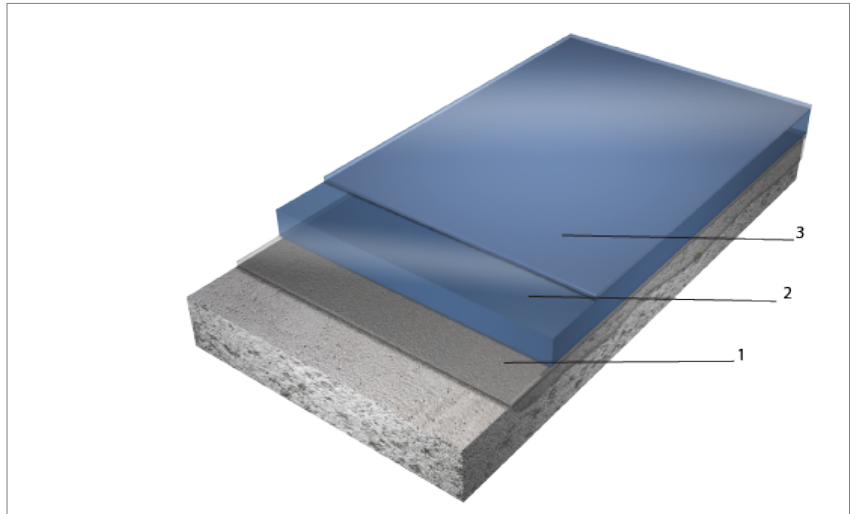
### CHARACTERISTICS / ADVANTAGES

- Decorative and comfortable
- Soft footfall
- Seamless and sanitary
- Excellent resistance to fire
- Low VOC content
- Superior matte finish
- Excellent mechanical and abrasion resistance
- Simple application
- Very low maintenance

# SYSTEM INFORMATION

## System Structure

Sika Comfortfloor® PS-23 ~ 93 - 120 mils (2.4 - 3.0 mm)



Description	Products	Thickness mils
1. Primer	Sikafloor®-161	8 - 12
2. Body Coat	Sikafloor®-330 + Sikafloor® Epoxy Pigment Pack	80 - 100 minimum
3. Top Coat	Sikafloor®-305 W	5 - 8

### Options

Description	Products	Thickness mils
Primers	Sikafloor®-165 FS	8 - 10
	Sikafloor®-1620	12 - 15
	Sikafloor®-2570	3 - 10
	Sikafloor®-304 W	5 - 8
2 <sup>nd</sup> Top Coat	Sikafloor®-304 W	5 - 8

## Color

Refer to Sika ComfortFloor Color Additives Selection Guide.  
The Sikafloor®-330 should be pigmented the same or close to the color of the Sikafloor®- 305 W top coat.

**Nominal thickness** 93 - 120 mils (2.4 - 3.0 mm)

**Minimum thickness** 93 mils (2.4 mm)

## TECHNICAL INFORMATION

Testing	>80 (14 days)	ASTM D2240 73°F (23°C) and 50% R.H
Abrasion Resistance	CS-17/1000 rotations/1000 g- 0.04g	ASTM D4060 73°F (23°C) and 50% R.H
Impact Strength	160 in/lbs	ASTM D4226 73°F (23°C) and 50% R.H
Tensile Strength	1,142 psi.(~ 8.0 N/mm <sup>2</sup> )	ASTM D412 at 73°F(23°C) and 50% R.H

<b>Elongation at Break</b>	180%	ASTM D412 73°F (23°C) and 50% R.H
<b>Tensile Adhesion Strength</b>	> 500 psi (3.5 MPa) (concrete failure)	ASTM D7234 73°F (23°C) and 50% R.H
<b>Tear Strength</b>	142.75 lb./in.(~ 25 N/mm 14 days)	ASTM D624 at 73°F(23°C) and 50% R.H
<b>Crack Bridging Ability</b>	Passed	ASTM C1305 73°F (23°C) and 50% R.H
<b>External Fire Performance</b>	Class I	ASTM E662 at 73°F(23°C) and 50% R.H
<b>Reaction to Fire</b>	Δ E 0.3 (7 days at 158°F/70°C)	ASTM F1514 at 73°F(23°C) and 50% R.H
<b>Chemical Resistance</b>	Contact Sika Technical Service for specific information	
<b>Thermal Resistance</b>	Very good	
<b>Coefficient of Friction</b>	0.6	ANSI 326.3 73°F (23°C) and 50% R.H
<b>Residual impression</b>	0.002 in (800 lb load)	ASTM F970 at 73°F (23°C) and 50% R.H
<b>Resistance to stubbed cigarettes</b>	Class 1	ASTM E648 at 73°F(23°C) and 50% R.H
<b>Gloss level</b>	5 - 15 (60°)	ASTM D-523 73°F (23°C) and 50% R.H
<b>Reaction to Fire</b>	Very good	

## APPLICATION INFORMATION

Coverage	Description	Products	Approximates Sq.Ft./kit
	1. Primer	Sikafloor®-161	900 @ 8 mils
	2. Body Coat	Sikafloor®-330 Sikafloor® Epoxy Pigment Pack	154 @ 80 mils minimum 2 quarts per 7.22 gallon kit
	3. Top Coat	Sikafloor®-305 W	653 @ 5 mils
	<b>Options</b>		
	<b>Description</b>	<b>Products</b>	<b>Approximates Sq.Ft./kit</b>
	Primers	Sikafloor®-165 FS Sikafloor®-1620 Sikafloor®-2570	1,000 @ 8 mils 534 @ 12 mils 2,667 @ 3 mils
	2 <sup>nd</sup> Top Coat	Sikafloor®-304 W	595 @ 5 mils
<b>Ambient Air Temperature</b>	Minimum/Maximum 50°/85°F (10°/30°C)		
<b>Substrate Temperature</b>	Minimum/Maximum 50°/85°F (10°/30°C)		

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual

site conditions and curing conditions.

## LIMITATIONS

Please refer to the individual Product Data Sheets for Limitations.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Concrete surfaces must be clean and sound. Remove all dust, dirt, existing paint films, efflorescence, exudates, laitance, form oils, hydraulic or fuel oils, brake fluid, grease, fungus, mildew, biological residues or any other contaminants which may prohibit a good bond.

Prepare the surface by any appropriate mechanical means, in order to achieve a profile equivalent to ICRI - CSP 3-6. The compressive strength of the concrete substrate should be at least 3,625 psi (25 MPa) at 28 days and a minimum of 218 psi (1.5 MPa) in tension at the time of application.

Repairs to cementitious substrates, filling of blowholes, leveling of irregularities, etc. should be carried out using an appropriate Sika profiling mortar. Contact Sika Technical Service for a recommendation.

### Priming

Priming for concrete substrate is required. Prime with either Sikafloor®-161, Sikafloor®-165 FS, Sikafloor®-2570 or Sikafloor®-1620.

Allow the primer to cure (varies with temperature and humidity) until tack free before applying subsequent coats. Ensure that the primer is pore-free, pinhole-free and provides uniform and complete coverage over the entire substrate. Please refer to the individual most current and respective Product Data Sheet for specific and detailed information.

### MIXING

Please refer to the individual Product Data Sheets.

### APPLICATION

Please refer to the individual Product Data Sheets.

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## OTHER RESTRICTIONS

See Legal Disclaimer.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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