

## SYSTEM DATA SHEET

# Sikafloor® MultiFlex PS-32 ECF

Smooth, low VOC, polyurethane conductive flooring system

## DESCRIPTION

Sikafloor® MultiFlex PS-32 ECF is a polyurethane, coloured, low VOC emission, conductive, resin based flooring system. It provides a hard-wearing, seamless, chemical resistant, tough-elastic, crack bridging, low maintenance, smooth gloss finish.

## USES

Sikafloor® MultiFlex PS-32 ECF may only be used by experienced professionals.

The System is used in industrial buildings such as:

- Automotive facilities
- Aircraft hangars
- Electronic facilities and data centres
- Logistics facilities and warehouses
- Pharmaceutical facilities
- Manufacturing facilities and workshops

Please note:

- The System may only be used for interior applications.

## FEATURES

- Electrostatically conductive
- Easy to apply
- Flexible and tough elastic
- Good crack-bridging ability
- Good mechanical resistance
- Good resistance to specific chemicals

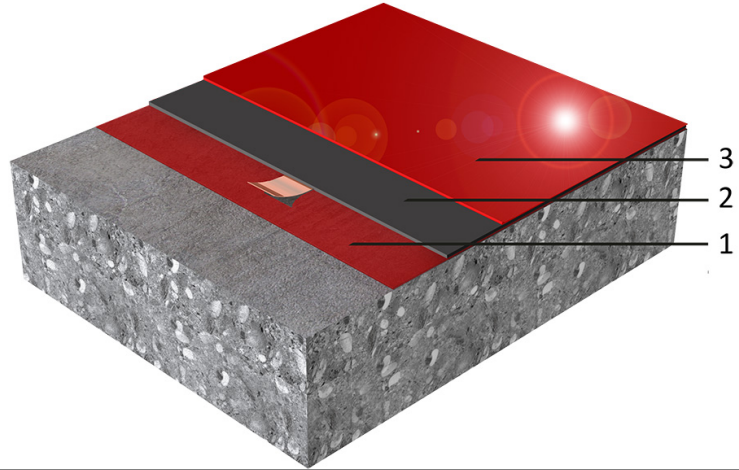
## CERTIFICATES AND TEST REPORTS

- Fire Testing EN ISO 9239-1, Sikafloor®-151, Sikafloor®-220 W Conductive, Sikafloor®-3240 ECF, Textiles, Report No.19-1121-09

# SYSTEM INFORMATION

System structure

Sikafloor® MultiFlex PS-32 ECF



Layer	Product
1. Primer	Sikafloor®-150 Sikafloor®-151 Contact Sika Technical Service for information on choosing the right primer for your project.
2. Conductive primer + Earthing connection	Sikafloor®-220 W Conductive + Sikafloor® Conductive Set
3. Conductive wearing layer	Sikafloor®-3240 ECF

**IMPORTANT**

**System structure**

The system structure as described in the table must not be changed.

<b>Composition</b>	Combination of epoxy and polyurethane
<b>Appearance</b>	Smooth gloss finish
<b>Colour</b>	Standard colour RAL 7032. Extended colour range on request.
<b>Nominal thickness</b>	~1.5 mm

## TECHNICAL INFORMATION

<b>Tensile adhesion strength</b>	≥ 1.5 MPa	(EN 1542)
<b>Reaction to fire</b>	Class C <sub>fl</sub> -s1	(ISO 9239-1)
<b>Electrostatic behaviour</b>	Resistance to ground	$R_g < 10^9 \Omega$ (IEC 61340-4-1)
	Typical average resistance to ground	$R_g < 10^5 - 10^6 \Omega$ (DIN EN 1081)

**ECF MEASUREMENT CONDITIONS AND SPECIFICATIONS**

All measurement values for the system stated in the System Data Sheet (except those referring to proof statements) were measured using the following equipment and ambient conditions:

Condition or Equipment	Specification
Size of ESD-footwear	42 (EU) (UK: 8; US: 8,5)
Test person weight	90 kg
Ambient conditions	+23 °C and 50 % r.h.
Measuring device for measuring resistance to ground	Metriso 2000 or 3000 (Warmbier) or comparable
Surface resistance probe	Carbon Rubber electrode. Weight: 2,50 kg
Rubber pad hardness	Shore A (60 ±10)

#### Measurement results during testing

Note: If values are lower or higher than required, carry out additional measurements about 30 cm around the point where the faulty readings are located. If the re-measured values are in accordance with the requirements, the total area is acceptable. If the requirements cannot be verified, contact Sika Technical Services.

## APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
Primer		Sikafloor®-150	1-2 × 0.3–0.5 kg/m <sup>2</sup>
		Sikafloor®-151	
		Sikafloor®-156	
		Sikafloor®-161	
Levelling		Sikafloor®-150	Refer to the individual Product Data Sheet.
		Sikafloor®-151	
		Sikafloor®-156	
		Sikafloor®-161	
Conductive primer		Sikafloor®-220 W Conductive	1 × 0.08–0.10 kg/m <sup>2</sup>
Earthing connection		Sikafloor® Conductive Set	1 earthing point per approx. 200–300 m <sup>2</sup> , min. 2 per room
Conductive wearing layer		Sikafloor®-3240 ECF	1 × 2.1-2.3 kg/m <sup>2</sup>

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 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	+10 °C	
Relative air humidity	Maximum	75% -80 % r.h.	
Dew point	Refer to the individual Product Data Sheet.		
Substrate temperature	Maximum	+30 °C	
	Minimum	+10 °C	
Substrate moisture content	Refer to the individual Product Data Sheet.		
Waiting time to overcoating	Before applying Sikafloor®-220 W Conductive on the primer layer allow:		
	<b>Temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+10 °C	~17 hours	~4 days
	+20 °C	~9 hours	~48 hours
	+30 °C	~7 hours	~24 hours

Before applying Sikafloor®-3240 ECF on Sikafloor®-220 W Conductive allow:

Temperature	Minimum	Maximum
+10 °C	~26 hours	~7 days
+20 °C	~17 hours	~5 days
+30 °C	~12 hours	~4 days

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	24 hours	3 days	9 days
	+20 °C	12 hours	2 days	5 days
	+30 °C	8 hours	24 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.

## 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 DOCUMENTATION

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

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.

## APPLICATION INSTRUCTIONS

### APPLICATION

#### INSTALLATION OF EARTHING POINTS

Refer to Sika Method Statement: Sika Method Statement — Sikafloor® mixing and application  
Number of earthing connections per room: Minimum of 2 earthing connections. The optimum number of earthing connections depends on the local conditions and must be specified on drawings or other contract documentation.

## 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.

## 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.

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