

## SYSTEM DATA SHEET

# Sikafloor® MultiDur EB-31

BROADCAST UNICOLOUR EPOXY FLOOR COVERING WITH HIGH  
CHEMICAL AND MECHANICAL RESISTANCE

### DESCRIPTION

Sikafloor® MultiDur EB-31 is a slip resistant, coloured epoxy covering with high chemical and mechanical resistance for flooring applications

### USES

Sikafloor® MultiDur EB-31 may only be used by experienced professionals.

- Suitable for concrete and screed surfaces in areas with high chemical and mechanical exposures.
- Production and processing areas in food industry and automotive industry

### CHARACTERISTICS / ADVANTAGES

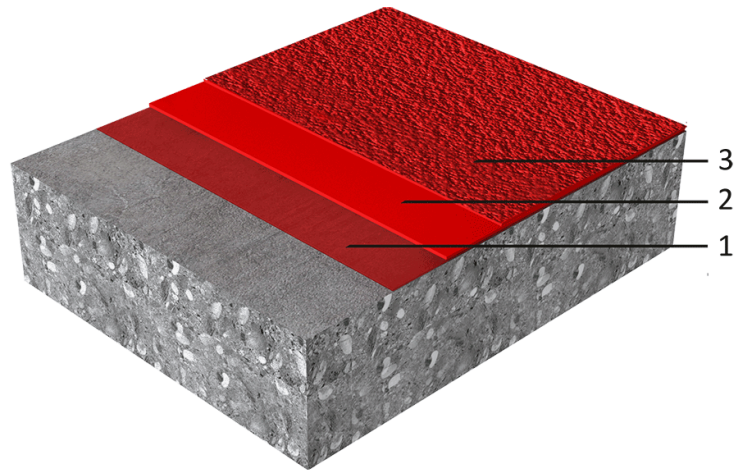
- High chemical resistance
- High mechanical resistance
- Liquid proof
- Slip resistant

### APPROVALS / STANDARDS

- Slip resistance certificate according to DIN 51130, class R12 V8, Report No.020108-13-19, Roxeler Institute, October 2013, Germany

# SYSTEM INFORMATION

## System Structure



### Sikafloor® MultiDur EB-31 system (~ 2–3 mm)

1. Primer	Sikafloor®-156/-161/-160
2. Wearing coat & broadcast	Sikafloor®-381 & broadcast with silicon carbide 0.5–1.0 mm or quartz sand 0.4–0.7 mm
3. Top coat	Sikafloor®-381 + 5 % by weight Thinner C

<b>Chemical base</b>	Epoxy
<b>Appearance</b>	Slip resistant, gloss finish
<b>Colour</b>	Available in various colour shades.
<b>Nominal Thickness</b>	~2.0–3.0 mm

## TECHNICAL INFORMATION

<b>Chemical Resistance</b>	Refer to the chemical resistance of Sikafloor®-381	
<b>Thermal Resistance</b>	<b>Exposure*</b>	<b>Dry heat</b>
	Permanent	+50 °C
	Short-term max. 7 d	+80 °C
	Short-term max. 12 h	+100 °C
Short-term moist/wet heat* up to +80 °C where exposure is only occasional (i.e. during steam cleaning etc.)		
*No simultaneous chemical and mechanical exposure.		
<b>Skid / Slip Resistance</b>	R12 V 8	(DIN 51130)

## APPLICATION INFORMATION

<b>Consumption</b>	<b>Sikafloor® MultiDur EB-31 system (~ 2–3 mm)</b>		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	Primer	Sikafloor®-156/-161/-160	~ 0.3–0.5 kg/m <sup>2</sup>
	Wearing coat	Sikafloor®-381 (un-filled)	~ 1.6 kg/m <sup>2</sup>
	Broadcast in excess	Silicon Carbide 0.5–1.0 mm or quartz sand 0.4–0.7 mm	~ 4–6 kg/m <sup>2</sup>
	Top coat	Sikafloor®-381 + 5 % by weight Thinner C	~0.75–0.85 kg/m <sup>2</sup>

<b>Product Temperature</b>	Please refer to the individual Product Data Sheet
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<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.		
<b>Relative Air Humidity</b>	80 % r.h. 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 blooming on the floor finish.		
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.		
<b>Substrate Moisture Content</b>	When performing application work with Sikafloor® MultiDur EB-31, the substrate moisture content must not exceed 4 % pbw measured by Tramex. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
<b>Waiting Time / Overcoating</b>	Before applying Sikafloor®-381 on Sikafloor®-156/-161/-160 allow:		
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+10 °C	24 hours	4 days
	+20 °C	12 hours	2 days
	+30 °C	8 hours	1 day
	Before applying Sikafloor®-381 on Sikafloor®-381 allow:		
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+10 °C	24 hours	48 hours
	+20 °C	18 hours	24 hours
	+30 °C	6 hours	12 hours
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>
	+10 °C	~ 24 hours	~ 3 days
	+20 °C	~ 18 hours	~ 2 days
	+30 °C	~ 12 hours	~ 1 day
			<b>Full cure</b>
			~ 10 days
			~ 7 days
			~ 5 days

## 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 Method Statement Sikafloor®-Cleaning Regime

### FURTHER DOCUMENTS

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems

### LIMITATIONS

- Do not apply Sikafloor® MultiDur EB-31 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur EB-31 must be protected from damp, condensation and water for at least 24 hours.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

- For exact colour matching, ensure the Sikafloor®-381 in each area is applied from the same control batch numbers.
- 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.

### 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. 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 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.

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