

## SYSTEM DATA SHEET

# Sikafloor® MultiDur EB-19

## SLIP RESISTANT BROADCAST COLOURED FAST CURING EPOXY FLOOR COATING SYSTEM

### DESCRIPTION

Sikafloor® MultiDur EB-19 is a 2-part, epoxy, coloured, fast curing resin based floor coating system. It provides a hard wearing, seamless, low maintenance, slip resistant gloss finish when broadcasted with different aggregate grades. For medium - heavy wear conditions. Thickness 2,0–3,0 mm. Internal use.

### USES

Sikafloor® MultiDur EB-19 may only be used by experienced professionals.

- On concrete and cementitious screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps.
- On multi-storey and underground car park decks and for wet process areas, e.g. beverage and food industry

### CHARACTERISTICS / ADVANTAGES

- Fast curing
- Blush resistant
- Low odour
- Low VOC
- Improved yellowing resistance
- Seamless and hygienic
- Good chemical and mechanical resistance
- Gloss finish
- Slip resistant surface to suit clients requirements
- Low maintenance

### SUSTAINABILITY

- Conformity with LEED v4 EQc 2: Low-Emitting Materials - Sikafloor®-151

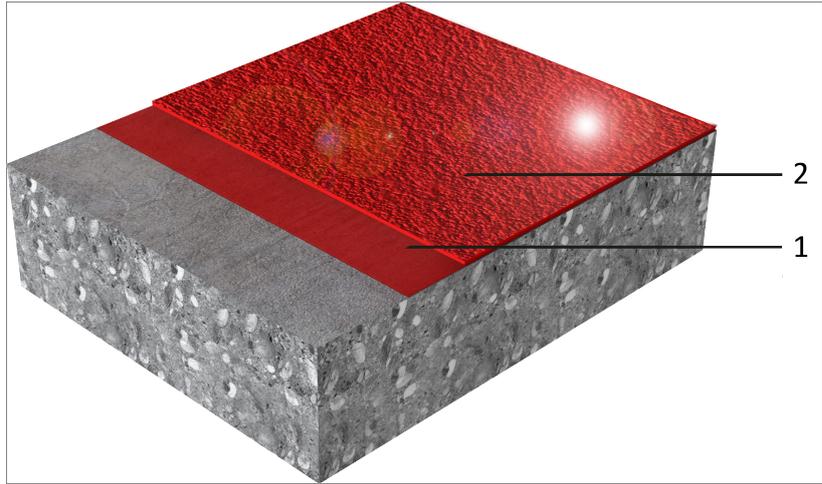
### APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating: Sikafloor®-151
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings: Sikafloor®-151
- Fire Classification EN 13501-1, Sikafloor® MultiDur EB-19, OFI Technologie & Innovation GmbH, Classification report No. 1901242-1
- Fire Testing EN ISO 11925-2, Sikafloor® MultiDur EB-19, OFI Technologie & Innovation GmbH, Test report No. 1901242/2
- Fire Testing EN ISO 9239-1, Sikafloor® MultiDur EB-19, OFI Technologie & Innovation GmbH, Test report No. 1901242/1
- Parking Abrasion Sikafloor® MultiDur EB-19, Technische Universität Kaiserslautern, Test report No. A267-1

# SYSTEMS

## System Structure

### Sikafloor® MultiDur EB-19 system (~2–3 mm)



Layer	Product
1. Scratch coat & Sand broadcast	Sikafloor®-150/151 + Sikafloor®-54 Booster (optional)/-2640, quartz sand 0,4–0,7 mm
2. Seal / Top coat	Sikafloor®-2640

Composition	Epoxy
Appearance	Slip resistant, gloss finish
Colour	Available in many colours.
Nominal Thickness	~2,0–3,0 mm

## TECHNICAL INFORMATION

Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Service for specific information.
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## APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur EB-19 system (~2–3 mm)	
	Layer	Product
	1. Scratch coat option 1	1 × Sikafloor®-150/151/2640 filled at 1:0,5 with quartz sand 0,1-0,3mm
		~1,8 kg/m <sup>2</sup>
	1. Scratch coat option 2	1 × Sikafloor®-150/151 filled at 1:0,5 with quartz sand 0,1-0,3mm + 1 x Sikafloor®-54 Booster
		~1,8 kg/m <sup>2</sup> + 18 / 36 gr
	Broadcast layer	Quartz sand 0,4–0,7mm to excess
		~4-6 kg/m <sup>2</sup>
	2. Seal / Top coat	1 × Sikafloor®-2640
		~0,6-0,8 kg/m <sup>2</sup>

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

Ambient Air Temperature	+10 °C min. / +30 °C max.
Relative Air Humidity	≤ 80 % max.

<b>Dew Point</b>	Beware of condensation. The substrate and uncured applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.																							
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.																							
<b>Substrate Moisture Content</b>	≤ 4 % parts by weight Test method: Sika®-Tramex meter, CM measurement or oven-dry-method. No rising moisture according to ASTM (polyethylene-sheet).																							
<b>Waiting Time / Overcoating</b>	<p>Before applying Sikafloor®-2640 on Sikafloor®-150 / 151 allow:</p> <table border="1"> <thead> <tr> <th><b>Substrate temperature</b></th> <th><b>Minimum</b></th> <th><b>Maximum</b></th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>24 hours</td> <td>3 days</td> </tr> <tr> <td>+20 °C</td> <td>12 hours</td> <td>2 days</td> </tr> <tr> <td>+30 °C</td> <td>8 hours</td> <td>1 day</td> </tr> </tbody> </table> <p>Before applying Sikafloor®-2640 on Sikafloor®-150 / 151 + Sikafloor®-54 Booster allow:</p> <table border="1"> <thead> <tr> <th><b>Substrate temperature</b></th> <th><b>Minimum</b></th> <th><b>Maximum</b></th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>13 hours</td> <td>2 days</td> </tr> <tr> <td>+20 °C</td> <td>4 hours</td> <td>1 day</td> </tr> </tbody> </table> <p>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity</p>			<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	+10 °C	24 hours	3 days	+20 °C	12 hours	2 days	+30 °C	8 hours	1 day	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	+10 °C	13 hours	2 days	+20 °C	4 hours	1 day
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## PRODUCT INFORMATION

<b>Packaging</b>	Refer to the individual Product Data Sheet
<b>Shelf life</b>	Refer to the individual Product Data Sheet
<b>Storage conditions</b>	Refer to the individual Product Data Sheet

### CLEANING

Refer to Sika® Method Statement: Sikafloor®-Cleaning Regime

### FURTHER INFORMATION

- Sika® Method Statement: Sikafloor®-Cleaning Regime
- Sika® Method Statement: Mixing & Applications of Flooring Systems
- Sika® Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Sika® Method Statement: Sikafloor®-2640
- Individual Product Data Sheets within the flooring

system

### IMPORTANT CONSIDERATIONS

- Do not leave mixed product in container after the end of the pot life. Fill container completely with quartz sand to stop the rapid exothermic reaction of the product which leads to foaming.
- Do not apply Sikafloor® MultiDur EB-19 on substrates with rising moisture.
- Do not blind the primer.
- Freshly applied Sikafloor® MultiDur EB-19 must be protected from damp, condensation and water for at least 24 hours.
- For areas with limited exposure and normally ab-

sorbent concrete substrates priming with Sikafloor®-150/-151 is not necessary for roller or textured coating systems.

- For roller / textured coatings: Uneven substrates as well as inclusions of dirt cannot and must not be covered by thin sealer coats. Therefore both substrate and adjacent areas must always be prepared and cleaned thoroughly prior to application.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor®-2640 in each area is applied from the same control batch numbers.
- Under certain conditions, underfloor heating combined with high point loading, may lead to indentations in the resin.
- If temporary 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.

## 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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