SYSTEM DATA SHEET

Sikafloor® MultiDur EB-19

Slip resistant broadcast coloured fast curing epoxy floor coating system

PRODUCT 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.

USES

Sikafloor® MultiDur EB-19 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

The System is used in commercial and public buildings and areas such as:
- Car park decks
- Manufacturing facilities and workshops

Please note:
- The Product may only be used by experienced professionals.

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
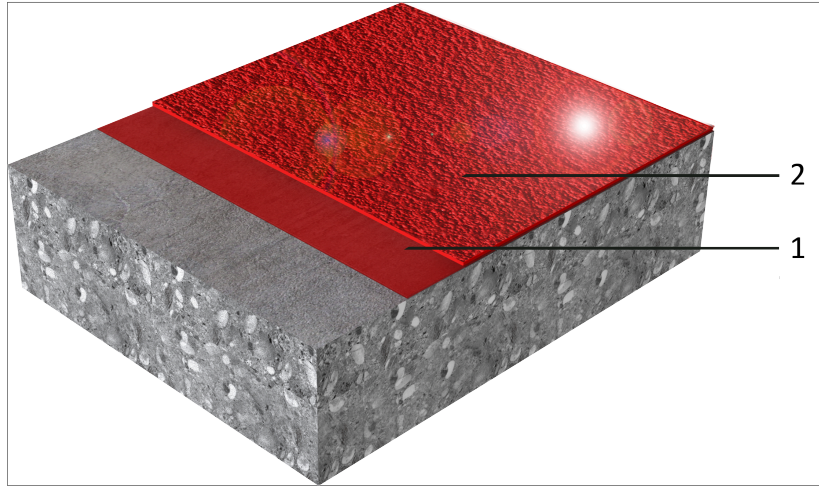- Conforms to OS 8 German standards

APPROVALS / STANDARDS

- Fire Classification EN 13501-1, Sikafloor® MultiDur EB-19, OFI Technologie & Innovation
- Fire Testing EN ISO 11925-2, Sikafloor® MultiDur EB-19, OFI Technologie & Innovation
- Fire Testing EN ISO 9239-1, Sikafloor® MultiDur EB-19, OFI Technologie & Innovation
- Parking Abrasion Sikafloor® MultiDur EB-19, Technische Universität Kaiserslautern
- OS 8 coating system DIN EN 1504-2, Sikafloor® MultiDur EB- 19, kiwa, Test report No.P 12136-3-E
- Bond Behavior DIN EN 13578, kiwa, Test report No. P 12509-2
- Sliding test DIN 51130, Sikafloor® MultiDur EB-19, Roxeler, Test report No. 020144-19-1a
- Sliding test DIN 51131, Sikafloor® MultiDur EB-19, Roxeler, Test report No. 020144-19-1a

SYSTEM INFORMATION

| **System Structure** | Sikafloor® MultiDur EB-19 SYSTEM (~2–3 MM) |

Layer	Product
Scratch coat & Sand broadcast	Sikafloor®-150 + Sikafloor®-54 Booster
	Sikafloor®-151 + Sikafloor®-54 Booster
	Sikafloor®-1590 + Sikafloor®-54 Booster
	Sikafloor®-2640
	Quartz sand 0.4–0.7 mm
Seal coat	Sikafloor®-2640

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APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur EB-19 SYSTEM (~2–3 MM)		
	Layer	**Product**	**Consumption**
	Primer	1 × Sikafloor®-150 or Sikafloor®-151 or Sikafloor®-1590 or Sikafloor®-2640	~0.3-0.5 kg/m²
	Scratch coat option 1	1 × Sikafloor®-2640 filled at 1:0.5 with quartz sand 0.1-0.3mm	~1.8 kg/m²/mm (1.2 kg resin : 0.6 kg quartz sand)
	Scratch coat option 2	1 × Sikafloor®-150 filled at 1:1 with quartz sand 0.1-0.3mm + 1 % Sika® Extender T Optional Sikafloor®-54 Booster	~1.7 kg/m²/mm (0.85 kg resin : 0.85 kg quartz sand) Consult Sikafloor®-54 Booster product data sheet for further information
	Scratch coat option 3	1 × Sikafloor®-151 filled at 1:0.5 with quartz sand 0.1-0.3mm Optional Sikafloor®-54 Booster	~1.7 kg/m²/mm (1.1 kg resin : 0.6 kg quartz sand) Consult Sikafloor®-54 Booster product data sheet for further information
	Scratch coat option 4	Sikafloor®-1590 filled at 1:0.5 with quartz sand 0.1-0.3mm Optional Sikafloor®-54 Booster	~1.7 kg/m²/mm (1.1 kg resin : 0.6 kg quartz sand) Consult Sikafloor®-1590 product data sheet for further information
	Broadcast layer	Quartz sand 0.4–0.7mm to excess	~4-6 kg/m²
	Seal / Top coat	1 × Sikafloor®-2640	~0.6-0.8 kg/m²

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.

Waiting Time / Overcoating

Before applying Sikafloor®-2640 on Sikafloor®-150 or Sikafloor®-151 allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 hours	3 days
+20 °C	12 hours	2 days
+30 °C	8 hours	1 day

Before applying Sikafloor®-2640 on Sikafloor®-2640 allow:

Substrate temperature	Minimum	Maximum
+10 °C	12 hours	3 days
+20 °C	6 hours	2 days
+30 °C	3 hours	1 day

Before applying Sikafloor®-2640 on Sikafloor®-150 or Sikafloor®-151 + Sikafloor®-54 Booster allow:

Substrate temperature	Minimum	Maximum
+10 °C	13 hours	2 days
+20 °C	4 hours	1 day

Before applying Sikafloor®-2640 on Sikafloor®-1590 allow:

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Temperature	Minimum without Sika-floor®-54 Booster	Maximum without Sika-floor®-54 Booster
+8 °C	~ 8 hours	~ 3 days
+10 °C	~ 6 hours	~ 3 days
+15 °C	~ 5 hours	~ 48 hours
+23 °C	~ 3 hours	~ 24 hours

Temperature	Minimum with 2 % Sika-floor®-54 Booster	Maximum with 2 % Sikafloor®-54 Booster
+8 °C	~ 7 hours	~ 3 days
+10 °C	~ 5 hours	~ 3 days
+15 °C	~ 4 hours	~ 48 hours
+23 °C	~ 2 hours	~ 24 hours

Temperature	Minimum with 4 % Sika-floor®-54 Booster	Maximum with 4 % Sikafloor®-54 Booster
+8 °C	~ 6 hours	~ 3 days
+10 °C	~ 4 hours	~ 3 days
+15 °C	~ 3 hours	~ 48 hours

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
+10 °C	~12 hours	~15 hours	~24 hours
+20 °C	~6 hours	~11 hours	~14 hours
+30 °C	~3 hours	~9 hours	~12 hours

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTS

Refer to the following method statements:
▪ Sika Method Statement — Sikafloor® and Sikagard® evaluation and preparation of surfaces
▪ Sika Method Statement — Sikafloor® mixing and application
▪ Individual Product Data Sheets within the flooring system

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

MAINTENANCE

To maintain the appearance of the floor after application, the System must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents.
CLEANING
Refer to Method Statement: Sikafloor®-Cleaning Regime

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LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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System Data Sheet
Sikafloor® MultiDur EB-19
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