

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-31

Slip resistant unicolour epoxy flooring system with very good chemical and mechanical resistance

PRODUCT DESCRIPTION

Sikafloor® MultiDur EB-31 is a slip resistant, coloured epoxy flooring system with very good chemical and mechanical resistance.

USES

Sikafloor® MultiDur EB-31 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

The System is used in industrial buildings such as:

- Automotive facilities
- Chemical and processing facilities
- Food and beverage facilities

Please note:

- The System may only be used by experienced professionals.
- The System may only be used for interior applications.

CHARACTERISTICS / ADVANTAGES

- Good resistance to abrasion
- Very good resistance to specific chemicals
- Very good mechanical resistance
- Impermeable to liquids

APPROVALS / STANDARDS

- Slip resistance test report DIN 51130, Roxeler, No. 020023-19-31

SYSTEM INFORMATION

System Structure	Layer	Product
	Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161
	Wearing layer	Sikafloor®-381
	Broadcast in excess	Silicon carbide (0.5–1.0 mm) or Quartz sand (0.3–0.8 mm) or (0.6–1.2 mm)
	Top coat	Sikafloor®-381 + 5 % Sika® Thinner C
Composition	Epoxy	
Appearance	Slip resistant, gloss finish	
Colour	Cured system colour	Available in various colour shades.
Nominal thickness	2 mm to 3 mm	

TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1.5 MPa	(EN 1542)
Reaction to Fire	Class B _{fl} -s1	(EN 13501-1)
Chemical Resistance	Sikafloor®-381 provides the chemical resistance. Refer to Product Data Sheet. Note: The exposed aggregates can be affected through various chemicals. A surface finish of an acrylic dispersion as a protection and maintenance layer is recommended.	
Skid / Slip Resistance	R 12; V 6	(DIN 51130)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150 or Sikafloor®-151 or Sikafloor®-156 or Sikafloor®-161	1–2 × ~0.3 kg/m ² to 0.5 kg/m ²
	Wearing layer	Sikafloor®-381 unfilled	~1.6 kg/m ²
	Broadcast in excess	Silicon carbide (0.5–1.0 mm) or Quartz sand (0.3–0.8 mm) or (0.6–1.2 mm)	~4–6 kg/m ²
	Top coat	Sikafloor®-381 + 5 % Sika® Thinner C	1 × ~0.75 kg/m ² to 0.85 kg/m ²

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	80 % r.h. max.
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Dew Point	Refer to the individual Product Data Sheet.	
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Substrate Temperature	Maximum	+30 °C
	Minimum	+10 °C

Substrate Moisture Content	Refer to the individual Product Data Sheet.	
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Waiting Time / Overcoating	Before applying Sikafloor®-381 on Sikafloor®-150/ -151 / -156 / -161 allow:		
	Temperature	Minimum	Maximum
	+10 °C	~24 hours	~4 days
	+20 °C	~12 hours	~48 hours
	+30 °C	~8 hours	~24 hours

Before applying Sikafloor®-381 on Sikafloor®-381 allow:

Temperature	Minimum	Maximum
+10 °C	~24 hours	~48 hours
+20 °C	~18 hours	~24 hours
+30 °C	~6 hours	~12 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	~24 hours	~3 days	~10 days
+20 °C	~18 hours	~2 days	~7 days
+30 °C	~12 hours	~24 hours	~5 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.

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

- Sika® Method Statement: Evaluation and preparation of surfaces for flooring systems
- Sika® Method Statement: Mixing and application of flooring systems

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.

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

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