

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-31

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

SIKA NZ
APPROVED
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ONLY

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 may only be used by experienced professionals.

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
	Wearing layer	Sikafloor®-381
	Broadcast in excess	Silicon carbide (0.5–1.0 mm) or Quartz sand (0.6-1.2 mm) Or Sika Aggregate-501
	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	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 (0.6-1.2 mm) Or Sika Aggregate-501	~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.
Dew Point	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.	
Substrate Temperature	Maximum	+30 °C
	Minimum	+10 °C
Substrate Moisture Content	≤ 4% pbw using Sikafloor®-150 ≤ 6% pbw using Sikafloor®-151 Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). Osmosis caused by rising moisture or incorrect primer application is not covered by the product warranty.	

Waiting Time / Overcoating

Before applying Sikafloor®-381 on Sikafloor®-150/ -151 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.

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 DOCUMENTS

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

LIMITATIONS

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

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.

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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