

## SYSTEM DATA SHEET

# Sikafloor® MultiDur EB-14

### Slip Resistant Epoxy Flooring System

#### DESCRIPTION

Sikafloor® MultiDur EB-14 is an epoxy, slip resistant, coloured, rigid flooring system. It provides a safe slip resistant surface in dry and wet conditions.

#### USES

Sikafloor® MultiDur EB-14 may only be used by experienced professionals.

Slip resistant resin flooring on cementitious substrates for:

- Normal up to medium heavy wear
- Assembly halls
- Storage areas
- Food & beverage production areas
- Multi-storey and underground car park decks
- Loading and access ramps
- Workshops
- Garages
- Wet and dry production areas
- Interior and exterior use

#### CHARACTERISTICS / ADVANTAGES

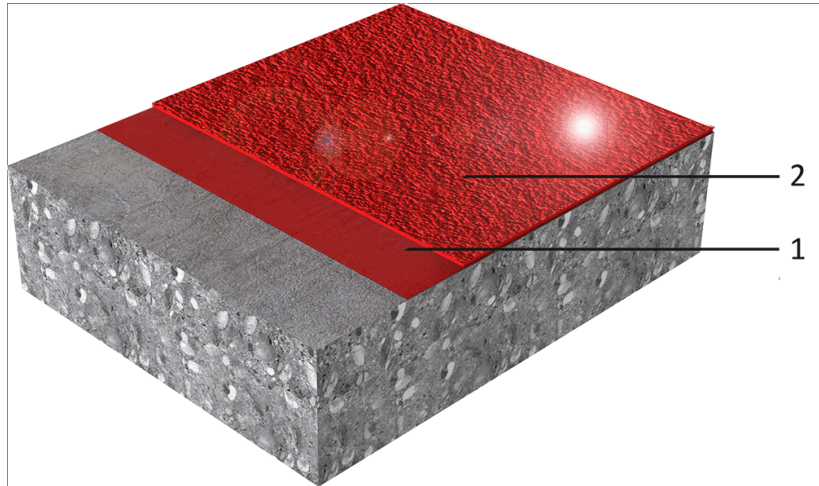
- Slip and skid resistant surface
- Good chemical and mechanical resistance
- Easy application
- Waterproof
- Conforms to the OS 8 German standards

#### APPROVALS / STANDARDS

- Coating System OS 8 Sikafloor®-156/-264, kiwa, Test report No. P 6078
- Slip resistance DIN 51130, Sikafloor®-264, Roxeler Baustoffprüfstelle Germany, Test report No. 020108-13-16
- Slip resistance DIN 51130, Sikafloor®-264, Roxeler Baustoffprüfstelle Germany, Test report No. 020171-14-3

# SYSTEM INFORMATION

## System Structure



Sikafloor® MultiDur EB-14 system (~ 2–3 mm)

Layer	Product
1. Scratch coat & quartz sand broadcast	Sikafloor®-156/-161
2. Wearing finish	Sikafloor®-264

Composition	Epoxy
Appearance	Slip resistant, gloss finish
Colour	RAL 1001, 6021, 7030, 7032, 7035, 7037, 7038, 7040, 7042, 9002 Other colours on request.
Nominal thickness	~2.0–3.0 mm

## TECHNICAL INFORMATION

Chemical Resistance	Sikafloor®-264 provides the chemical resistance. Refer to Product Data Sheet.	
Thermal Resistance	<b>Exposure*</b>	<b>Dry heat</b>
	Permanent	+50 °C
	Short-term max. 7 days	+80 °C
	Short-term max. 12 hours	+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.	
Skid / Slip Resistance	R11 V4	(DIN 51130)
	R12 V6	(DIN 51130)

## APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur EB-14 system (~2–3 mm)		
	Layer	Product	Consumption
	1. Scratch Coat	1 × Sikafloor®-156 filled at 1:1 with quartz sand 0.1-0.4mm /or 1 × Sikafloor®-161 at 1:0.5 with quartz sand 0.1–0.4mm	~1.3-1.8 kg/m <sup>2</sup>
	Broadcast	Quartz Sand ( 0.4-0.7 mm) to excess	~4-6 kg/m <sup>2</sup>
	2.Wearing finish	1 × Sikafloor®-264	~0.6-0.8 kg/m <sup>2</sup>

<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.																										
<b>Relative Air Humidity</b>	≤ 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®-264 on Sikafloor®-156/-161 allow:</p> <table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>24 hours</td> <td>4 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®-264 on Sikafloor®-264 allow:</p> <table border="1"> <thead> <tr> <th>Title 1Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>30 hours</td> <td>48 hours</td> </tr> <tr> <td>+20 °C</td> <td>24 hours</td> <td>24 hours</td> </tr> <tr> <td>+30 °C</td> <td>16 hours</td> <td>30 hours</td> </tr> </tbody> </table> <p>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity</p>			Substrate temperature	Minimum	Maximum	+10 °C	24 hours	4 days	+20 °C	12 hours	2 days	+30 °C	8 hours	1 day	Title 1Substrate temperature	Minimum	Maximum	+10 °C	30 hours	48 hours	+20 °C	24 hours	24 hours	+30 °C	16 hours	30 hours
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## 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: Sikafloor®-Cleaning Regime
- Sika Method Statement: Mixing & Applications of Flooring Systems
- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Individual Product Data Sheets within the flooring system

## LIMITATIONS

- Do not apply Sikafloor® MultiDur EB-14 on substrates with rising moisture.
- After application, the products 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®-264 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 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.

## 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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

# MAINTENANCE

## CLEANING

Refer to Sika Method Statement: Sikafloor®-Cleaning Regime

## 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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### SYSTEM DATA SHEET

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