

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-24

BROADCASTED UNICOLOUR EPOXY FLOOR COVERING

DESCRIPTION

Sikafloor® MultiDur EB-24 is a slip resistant, coloured, epoxy based system, with high mechanical resistance for flooring applications.
Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor® MultiDur EB-24 may only be used by experienced professionals.

Sikafloor® MultiDur EB-24 is used as selfsmoothing broadcasted system for concrete and cement screeds with medium to heavy wear, e.g. for:

- Multi-storey and underground car parks
- Storage warehouses
- Assembly halls
- Maintenance workshops
- Garages
- Loading bays
- Plant rooms
- Wet processing areas, e.g. beverage and food industry

CHARACTERISTICS / ADVANTAGES

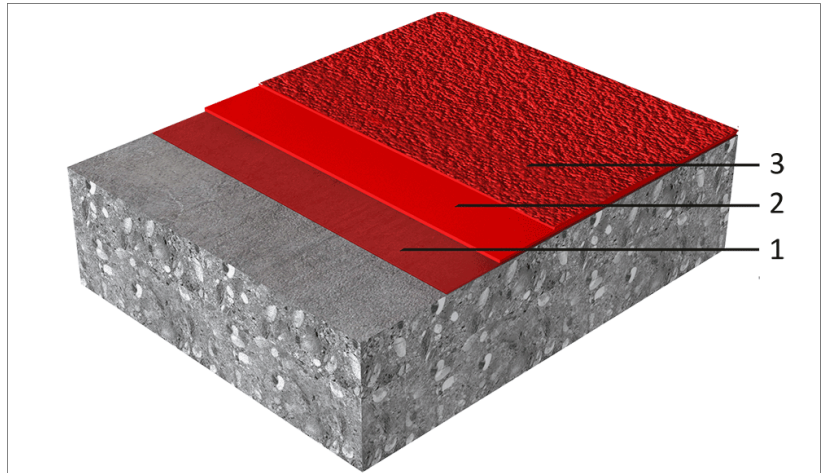
- High wear resistance
- High mechanical resistance
- Good chemical resistance
- Liquid proof
- Gloss rough finish
- Slip resistant

APPROVALS / CERTIFICATES

- Fire classification test, Bfl-S1 according to DIN EN 13501-1, Report No.2007-B-0181/15, Germany, July 2007
- Tested according to ASTM E648-15 (Class I): Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.

SYSTEM INFORMATION

System structure



Sikafloor® MultiDur EB-24 system (~2 – 6 mm)

1. Primer	Sikafloor®-151 /-161 /-161 G
2. Intermediate coat	Filled Sikafloor®-263 SL
3. Top coat	
a. Roller coat (optional)	Sikafloor-263 SL/ -264 /-264 SG
b. Broadcast in excess with quartz sand	Sikadur®-507 (0.3 - 0.7 mm) or Sikadur®-509 (0.7 - 1.2 mm)
c. Finishing coat	Sikafloor®-264 /-264 SG

Composition	Pigmented epoxy resin
Appearance	Slip resistant, gloss finish
Colour	Available in various colour shades.
Nominal thickness	~2.0–6.0 mm

TECHNICAL INFORMATION

Reaction to fire	Critical Radiant Flux: (ASTM E648) Classification: Class I Note: Refer to test report of Sikafloor®-263 SL /-264						
Chemical resistance	Refer to the chemical resistance of Sikafloor®-264 / 264 SG						
Temperature resistance	<table border="1"> <thead> <tr> <th>Exposure*</th> <th>Dry heat</th> </tr> </thead> <tbody> <tr> <td>Permanent</td> <td>+50 °C</td> </tr> <tr> <td>Short-term max. 7 d</td> <td>+80 °C</td> </tr> </tbody> </table> <p>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.</p>	Exposure*	Dry heat	Permanent	+50 °C	Short-term max. 7 d	+80 °C
Exposure*	Dry heat						
Permanent	+50 °C						
Short-term max. 7 d	+80 °C						
Skid / slip resistance	Please refer to slip resistance of top coat (Sikafloor®-264/-264 SG)						

APPLICATION INFORMATION

Consumption		
Sikafloor® MultiDur EB-24 system (~ 2 – 6 mm)		
Coating System	Product	Consumption
Primer	1 x Sikafloor®-151/-161/-161 G	~0.3 – 0.5 kg/m ²
Intermediate coat	Sikafloor®-263 SL filled with quartz sand	~1.6 -2.0 kg/m ² /mm <small>Note: For more detailed information, please refer to Product Data Sheet of Sikafloor®-263 SL</small>
Roller coat (optional*)	Sikafloor®-263 SL /-264 /-264 SG	~0.30 kg/m ²
Broadcast in excess with quartz sand	Sikadur®-507 (opt. *) or Sikadur®-509	~1.0 - 2.0 kg/m ² ~4.0 - 6.0 kg/m ²
Top coat	1 – 2 x Sikafloor®-264 /-264 SG	~0.25 – 0.45 kg/m ²

*Note: For further details, please refer to General Method Statement of Sikafloor®-263 SL

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

Waiting time to overcoating		
Before applying Sikafloor®-263 SL/-264/-264 SG on Sikafloor®-161/161 G 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®-264/-264 SG on Sikafloor®-263 SL/-264/-264 SG allow:		
Substrate temperature	Minimum	Maximum
+10 °C	30 hours	48 hours
+20 °C	23 hours	25 hours
+30 °C	16 hours	30 hours
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	~72 hours	~6 days	~10 days
+20 °C	~24 hours	~4 days	~7 days
+30 °C	~18 hours	~2 days	~5 days

PRODUCT INFORMATION

Packaging	Please refer to the individual Product Data Sheet
Shelf life	Please refer to the individual Product Data Sheet
Storage conditions	Please refer to the individual Product Data Sheet

BASIS OF PRODUCT DATA

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 INFORMATION

Please refer to :

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems
- Sika® Method Statement: "Sikafloor®-263 SL"

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor® MultiDur EB-24 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur EB-24 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/-264 SG 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 imprints in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

MAINTENANCE

CLEANING

Please refer to the Method Statement Sikafloor®-Cleaning Regime.

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 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.

SIKA NORTHERN GULF

Bahrain / Kuwait
Tel: +973 177 38188
info@bh.sika.com
gcc.sika.com

SIKA SOUTHERN GULF

UAE / Oman / SIC
Tel: +971 4 439 8200
info@ae.sika.com
gcc.sika.com

Sika Saudi Arabia

Riyadh / Jeddah / Dammam
Tel. +966 11 217 6532
info@sa.sika.com
gcc.sika.com



ISO 9001: Sika UAE LLC,
Sika Gulf B.S.C. (C),
Sika Saudi Arabia Limited,
Sika International Chemicals LLC
ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (C),
Sika Saudi Arabia Limited,
Sika International Chemicals LLC,
ISO 45001: Sika UAE LLC,
Sika Gulf B.S.C. (C),
Sika International Chemicals LLC.

All products are supplied under
a management system certified
to conform to the requirements
of the quality, environmental
and occupational health &
safety standards ISO 9001,
ISO 14001 and ISO 45001.

System Data Sheet

Sikafloor® MultiDur EB-24

November 2021, Version 04.02

020811900000000017