

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-24

SMOOTH UNICOLOUR EPOXY FLOOR COVERING

DESCRIPTION

Sikafloor® MultiDur ES-24 is a smooth coloured and rigid epoxy based system for flooring applications. Suitable for use in hot and tropical climatic conditions.

USES

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

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

- Storage warehouses
- Assembly halls
- Maintenance workshops
- Loading bays
- Aircraft hangars
- Plant rooms
- Clean rooms
- Production areas
- Dry food processing plants
- Pharmaceutical manufacturing

CHARACTERISTICS / ADVANTAGES

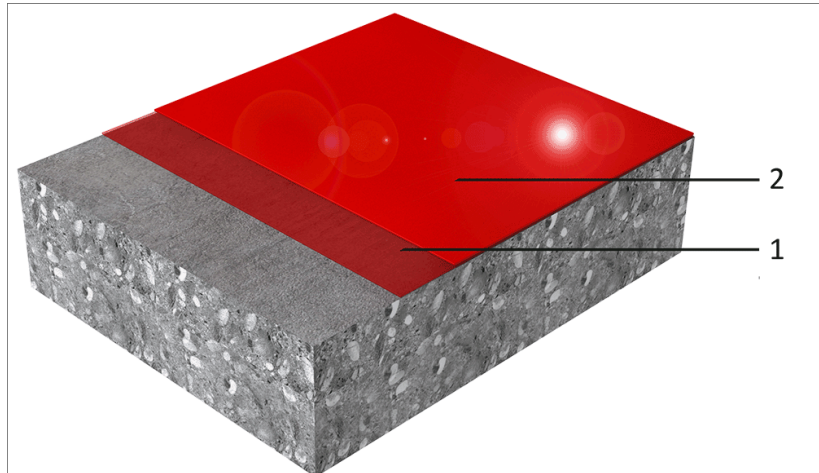
- Good chemical and mechanical resistance
- Easy application
- Liquid proof
- Gloss finish

APPROVALS / CERTIFICATES

- Particle emission certificate Sikafloor-263 SL CSM Statement of Qualification – ISO 14644-1, class 5– Report No. SI 0904-480 and GMP class A, Report No. SI 1008-533.
- Outgassing emission certificate Sikafloor-263 SL CSM Statement of Qualification – ISO 14644-8, class 6,5 - Report No. SI 0904-480.
- Good biological Resistance in accordance with ISO 846, CSM Report No. 1008-533
- Fire classification in accordance with EN 13501-1, Report-No. 2007-B-0181/14, MPA Dresden, Germany, February 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



- | | |
|-----------------|----------------------------|
| 1. Primer | Sikafloor®-151/-161/-161 G |
| 2. Wearing Coat | Sikafloor®-263 SL |

Composition	Pigmented epoxy resin
Appearance	Smooth gloss finish
Colour	Almost unlimited choice of colour shades.
Nominal thickness	~1.5 – 6.0 mm

TECHNICAL INFORMATION

Reaction to fire	Critical Radiant Flux: (ASTM E648) Classification: Class I Note: Refer to test of Sikafloor®-263 SL
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Chemical resistance	Please refer to chemical resistance of Sikafloor®-263 SL
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Temperature resistance	Exposure*	Dry heat
	Permanent	+50 °C
	Short-term max. 7 d	+80 °C

Short-term moist/wet heat* up to +80 °C where exposure is only occasional (steam cleaning etc.).

*No simultaneous chemical and mechanical exposure.

APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur ES-24 system (~1.5 – 6.0 mm)		
	Coating System	Product	Consumption
	Primer	1 × Sikafloor®-151/-161/-161 G	~0.3–0.5 kg/m ²
	Wearing coat	Sikafloor®-263 SL filled with quartz sand	~1.6–2.00 kg/m ² /mm Note: For more detailed information, please refer to Product Data Sheet 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 on Sikafloor®-151/-161/-161 G allow:

<u>Substrate Temperature</u>	<u>Minimum</u>	<u>Maximum</u>
+10 °C	24 hours	3 days
+20 °C	12 hours	2 days
+30 °C	8 hours	1 day

Applied product ready for use

<u>Temperature</u>	<u>Foot Traffic</u>	<u>Light Traffic</u>	<u>Full Cure</u>
+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 Sheets
Shelf life	Please refer to the individual Product Data Sheets
Storage conditions	Please refer to the individual Product Data Sheets

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

- 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 ES-24 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur ES-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®-263 SL 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

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.

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ISO 9001: Sika UAE LLC,
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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.

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