

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-24 N

Smooth, coloured epoxy flooring system

DESCRIPTION

Sikafloor® MultiDur ES-24 N is a self-smoothing, coloured, rigid epoxy flooring system. It provides a hard-wearing, seamless, low-maintenance gloss finish.

USES

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

Sikafloor® MultiDur ES-24 N is used in industrial buildings such as:

- Logistics facilities and warehouses
- Manufacturing facilities and workshops
- Industrial buildings

Please note:

- The System may only be used for interior applications.

FEATURES

- Good resistance to abrasion
- Good resistance to specific chemicals
- Good mechanical resistance
- Seamless

CERTIFICATES AND TEST REPORTS

Fire Classification Report EN 13501-1, GHENT, No. CR 20-0383-09

PRODUCT INFORMATION

Packaging

Shelf life

Storage conditions

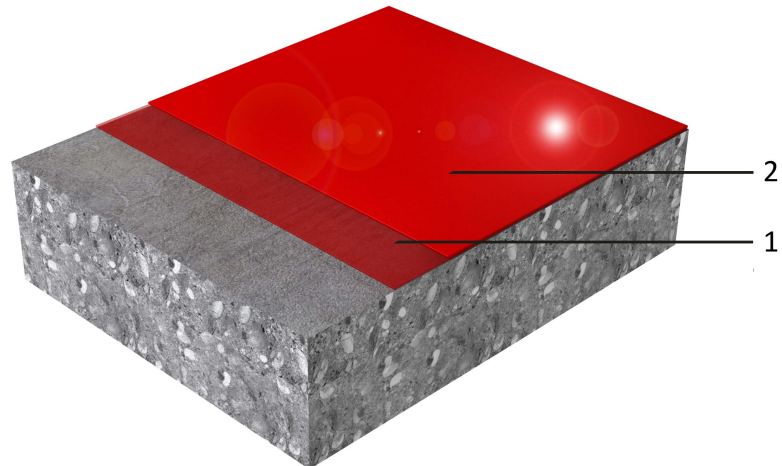
TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1.5 MPa	(EN 1542)
Reaction to fire	Class B _{fl} -s1	(EN 13501-1)
Chemical resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific information.	

SYSTEM INFORMATION

System structure

Sikafloor® MultiDur ES-24 N



Layer	Product
1. Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590 Contact Sika technical service for information on choosing the right primer for your project.
2. Wearing layer	Sikafloor®-263 SL N Filled with up to 1 : 1 with quartz sand (0.1–0.3 mm)

Composition	Epoxy
Appearance	Smooth, gloss finish
Colour	Cured system colour Available in various colour shades
Nominal thickness	1.5 mm to 3 mm

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150	1–2 × 0.3–0.5 kg/m ²
		Sikafloor®-151	
		Sikafloor®-156	
		Sikafloor®-161	
		Sikafloor®-1590	
	Levelling (if required)	Sikafloor®-150	Refer to the individual Product Data Sheet
		Sikafloor®-151	
		Sikafloor®-156	
		Sikafloor®-161	
		Sikafloor®-1590	
	Wearing layer	Sikafloor®-263 SL N Filled with up to 1 : 1 with quartz sand (0.1–0.3 mm)	1.6–1.9 kg/m ² per mm

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 the 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.													
Dew point	Refer to the individual Product Data Sheet.														
Substrate temperature	Maximum	+30 °C													
	Minimum	+10 °C													
Substrate moisture content	Refer to the individual Product Data Sheet.														
Waiting time to overcoating	When using Sikafloor®-1590 refer to the individual Product Data Sheet for specific information on waiting time to overcoating. Before applying Sikafloor®-263 SL N on the Primer allow: <table border="1"><thead><tr><th>Temperature</th><th>Minimum</th><th>Maximum</th></tr></thead><tbody><tr><td>+10 °C</td><td>~17 hours</td><td>~3 days</td></tr><tr><td>+20 °C</td><td>~9 hours</td><td>~48 hours</td></tr><tr><td>+30 °C</td><td>~7 hours</td><td>~24 hours</td></tr></tbody></table> Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.			Temperature	Minimum	Maximum	+10 °C	~17 hours	~3 days	+20 °C	~9 hours	~48 hours	+30 °C	~7 hours	~24 hours
Temperature	Minimum	Maximum													
+10 °C	~17 hours	~3 days													
+20 °C	~9 hours	~48 hours													
+30 °C	~7 hours	~24 hours													
Applied product ready for use	Temperature	Foot traffic	Light traffic	Full cure											
	+10 °C	~30 hours	~6 days	~10 days											
	+20 °C	~24 hours	~4 days	~7 days											
	+30 °C	~16 hours	~2 days	~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 Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTATION

Refer to the following method statements:

- Sika Method Statement — Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement — Sikafloor® mixing and application

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.

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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