

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-11

Low odour fast curing epoxy coloured roller coat flooring system

PRODUCT DESCRIPTION

Sikafloor® MultiDur ES-11 is a low odour fast curing, smooth, coloured, rigid flooring coating system based on epoxy resins. It provides a hard wearing, low maintenance gloss finish.

USES

Sikafloor® MultiDur ES-11 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

The System is used in industrial buildings such as:

- Logistics facilities and warehouses
- Manufacturing facilities and workshops
- Service facilities

Please note:

- The System may only be used for interior applications.

CHARACTERISTICS / ADVANTAGES

- Fast curing
- Good mechanical resistance
- Good impact resistance
- Good yellowing resistance
- Very good blush resistance
- Low VOC emissions
- Low odour
- Low maintenance

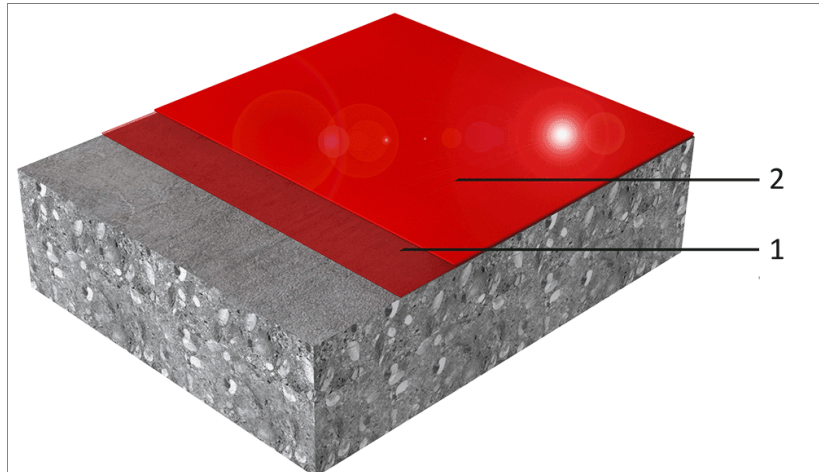
APPROVALS / STANDARDS

- Fire Classification Report EN 13501-1, Ghent University, No. CR 22-0095-01

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ES-11



Layer	Product
Primer	Sikafloor®-1590 + Sikafloor®-54 Booster

Wearing layer	Sikafloor®-2650 + Sikafloor®-54 Booster
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Curing of both products can be accelerated by adding Sikafloor®-54 Booster

Composition	Epoxy
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Appearance	Smooth, gloss finish
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Colour	Cured system colour	Standard colors are RAL 7032 and RAL 7035, others on request.
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Nominal thickness	0.6 mm to 0.8 mm
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TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1.5 Mpa	(EN 1542)
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Reaction to Fire	Class B _{fl} -s1	(EN 13501-1)
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Chemical Resistance
 Sikafloor®-2650 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.

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-1590 + Sikafloor®-54 Booster	1–2 × ~0.35–0.55 kg/m ² + max 4 % Sikafloor®-54 Booster
	Wearing layer	Sikafloor®-2650 + Sikafloor®-54 Booster	1 × 0.5–0.6 kg/m ² + max 4 % Sikafloor®-54 Booster

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	+8 °C

Relative Air Humidity	Maximum	80 % r.h. max.
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Dew Point	Refer to the individual Product Data Sheet.	
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Substrate Temperature	Maximum	+23 °C
	Minimum	+8 °C

Substrate Moisture Content	Refer to the individual Product Data Sheet.	
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Waiting Time / Overcoating	Before applying Sikafloor®-2650 on Sikafloor®-1590 allow:		
	Temperature	Minimum without Sikafloor®-54 Booster	Maximum without Sikafloor®-54 Booster
	+8 °C	~8 hours	~3 days
	+10 °C	~6 hours	~3 days
	+15 °C	~5 hours	~48 hours
	+23 °C	~3 hours	~24 hours
	Temperature	Minimum with 2 % Sikafloor®-54 Booster	Maximum with 2 % Sikafloor®-54 Booster
	+8 °C	~7 hours	~3 days
	+10 °C	~5 hours	~3 days
	+15 °C	~4 hours	~48 hours
	+23 °C	~2 hours	~24 hours
	Temperature	Minimum with 4 % Sikafloor®-54 Booster	Maximum with 4 % Sikafloor®-54 Booster
	+8 °C	~6 hours	~3 days
	+10 °C	~4 hours	~3 days
	+15 °C	~3 hours	~48 hours

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

Applied Product Ready for Use	WITHOUT SIKAFLOOR®-54 BOOSTER ADDED			
	Temperature	Foot traffic	Light traffic	Full cure
	+8 °C	~11 hours	~16 hours	~36 hours
	+10 °C	~8 hours	~14 hours	~24 hours
	+15 °C	~6 hours	~7 hours	~18 hours
	+23 °C	~4 hours	~6 hours	~8 hours

2 % SIKAFLOOR®-54 BOOSTER ADDED

Temperature	Foot traffic	Light traffic	Full cure
+8 °C	~10 hours	~14 hours	~26 hours
+10 °C	~7 hours	~10 hours	~18 hours
+15 °C	~5 hours	~6 hours	~12 hours
+23 °C	~3 hours	~3 hours	~6 hours

4 % SIKAFLOOR®-54 BOOSTER ADDED

Temperature	Foot traffic	Light traffic	Full cure
+8 °C	~9 hours	~12 hours	~24 hours
+10 °C	~6 hours	~8 hours	~12 hours
+15 °C	~4 hours	~5 hours	~8 hours

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

VALUE BASE

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 DOCUMENTS

Refer to the following method statements:

- Sika Method Statement — Sikafloor® and Sikagard® evaluation and preparation of surfaces
- Sika Method Statement — Sikafloor® mixing and application

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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 the 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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System Data Sheet

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