

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 may only be used by experienced professionals.

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.

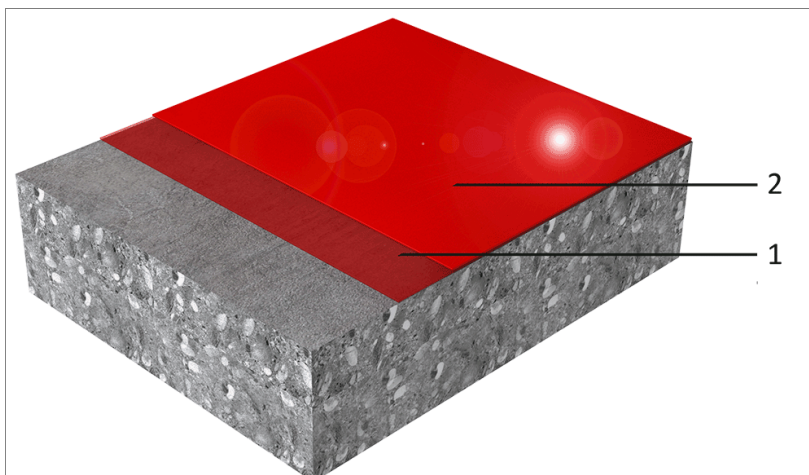
APPROVALS / STANDARDS

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

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ES-11



Layer	Product
1. Primer	Sikafloor®-1590 + Sikafloor®-54 Booster
2. Wearing layer	Sikafloor®-2650 + Sikafloor®-54 Booster

Curing of both products can be accelerated by adding Sikafloor®-54 Booster

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

TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1.5 MPa	(EN 1542)
Reaction to Fire	Class B _{fl} -s1	(EN 13501-1)

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 × 0.4–0.5 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.	
Dew Point	Refer to the individual Product Data Sheet.		
Substrate Temperature	Maximum	+23 °C	
	Minimum	+8 °C	
Substrate Moisture Content	Refer to the individual Product Data Sheet.		
Waiting Time / Overcoating	Before applying Sikafloor®-2650 on Sikafloor®-1590 allow:		
	Temperature	Minimum without Sika-floor®-54 Booster	Maximum without Sika-floor®-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 % Sika-floor®-54 Booster	Maximum with 2 % Sika-floor®-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 % Sika-floor®-54 Booster	Maximum with 4 % Sika-floor®-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 Product 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

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

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.

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System Data Sheet
Sikafloor® MultiDur ES-11
August 2023, Version 04.01
020811900000000194

SikafloorMultiDurES-11-en-GB-(08-2023)-4-1.pdf