

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-40

Smooth, unicolour, tough-elastic epoxy flooring system with very good chemical resistance

PRODUCT DESCRIPTION

Sikafloor® MultiDur ES-40 is a smooth, coloured, tough-elastic flooring coating system based on epoxy resins with very good chemical resistance.

USES

Sikafloor® MultiDur ES-40 may only be used by experienced professionals.

Sikafloor® MultiDur ES-40 is used in industrial buildings such as:

- Automotive facilities
- Chemical and processing facilities
- Bunding areas
- Food and beverage facilities

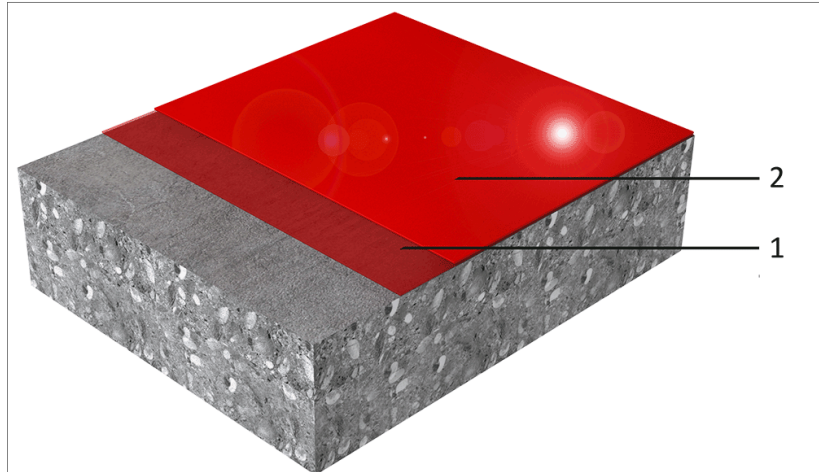
CHARACTERISTICS / ADVANTAGES

- Very good resistance to specific chemicals
- Good mechanical resistance
- Good crack-bridging ability
- Impermeable to liquids

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ES-40



Layer	Product
Primer	Sikafloor®-150 Plus, or Sikafloor®-151, or Sikafloor®-1590
Wearing layer	Sikafloor®-392

Contact Sika technical service for information on choosing the right primer for your project.

Composition	Epoxy
Appearance	Smooth, gloss finish
Colour	Available in various colour shades.
Nominal thickness	1.5 mm

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.	

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150 Plus, or Sikafloor®-151, or Sikafloor®-1590	1–2 × 0.3–0.5 kg/m ²
	Wearing layer	Sikafloor®-392	2.5 kg/m ²

Contact Sika technical service for information on choosing the right primer for your project.

Note: Consumption data is theoretical and does not account for any additional material due to surface porosity, surface profile, variations in level, wastage, or other factors. 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 / Overcoating	Refer to the individual Product Data Sheet for specific information on waiting time to overcoating the primers. Note: 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	48 hours	6 days	10 days
	+20 °C	30 hours	4 days	7 days
	+30 °C	20 hours	3 days	5 days
	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 — 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

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.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



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