

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-43

Smooth, coloured, epoxy floor coving system

PRODUCT DESCRIPTION

Sikafloor® MultiDur ES-43 is an epoxy, coloured, resin-based floor coving system. It provides a hard-wearing, easy to clean, seamless, low maintenance, smooth, matt finish.

USES

Sikafloor® MultiDur ES-43 may only be used by experienced professionals.

Sikafloor® MultiDur ES-43 is used on concrete and cementitious screeds in the following areas:

- Corridors
- Entrances
- Building lobbies
- Areas subject to surface water
- Healthcare facilities and hospitals
- Schools and universities

Please note:

- The System may only be used for interior applications.

CHARACTERISTICS / ADVANTAGES

- Good mechanical resistance
- Good resistance to specific chemicals
- Good resistance to abrasion
- Easy application
- Impermeable to liquids
- Easy to clean and low maintenance

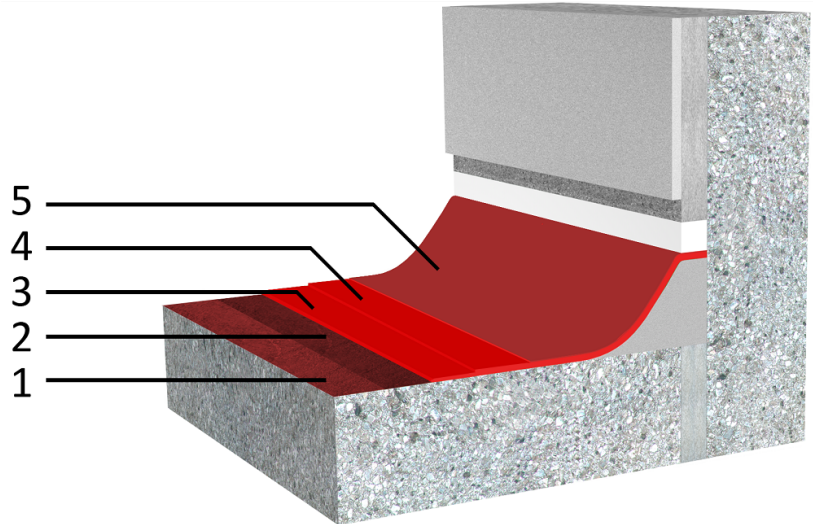
APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ES-43



Primer	Sikafloor®-150 Plus, or Sikafloor®-151, or Sikafloor®-1590, or and Sika® Extender T Slightly broadcast with Quartz Sand 0.3–0.8 mm
Bonding agent	Sikafloor®-150 Plus and Sika® Extender T
Mortar screed	Sikafloor®-280
Intermediate layer	Sikafloor®-150 Plus and Sika® Extender T
Top coat	Sikafloor®-264 Plus

The following topcoats can be used as an alternative to Sikafloor®-264 Plus:

- Sikafloor®-381
- Sikafloor®-305 W + 0.5 % Sika® Extender T

Composition	Epoxy
Appearance	Smooth finish
Colour	Available in various colour shades.
Nominal thickness	~3.0–10 mm

TECHNICAL INFORMATION

Compressive Strength	Cured 7 days at +23 °C	80 N/mm ²	(EN 13892-2)
Flexural Strength	Cured 7 days at +23 °C	30 N/mm ²	(EN 13892-2)
Tensile adhesion strength	≥ 1.5 MPa		(EN 1542)
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 % Sika® Extender T	0.3–0.5 kg/m ² per primer layer
	Light Broadcast	Quartz sand (0.3–0.8 mm)	~ 1.0 kg/m ²
	Bonding agent	Sikafloor®-150 Plus + 1–2 % Sika® Extender T	0.3–0.5 kg/m ²
	Mortar screed	Sikafloor®-280	2.35 kg/m ² per mm
	Intermediate layer	Sikafloor®-150 Plus + 1–2 % Sika® Extender T	0.15 kg/m ²
	Top coat	Sikafloor®-264 Plus	0.15–0.2 kg/m ²

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 / Overcoating	Refer to the individual Product Data Sheet.	
Applied Product Ready for Use	Refer to the individual Product Data Sheet.	

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.

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