

SYSTEM DATA SHEET

Sikafloor® MultiDur WS-10

Epoxy, low-VOC emission, waterborne, smooth floor coating system

PRODUCT DESCRIPTION

Sikafloor® MultiDur WS-10 is a low VOC waterborne, epoxy resin, smooth floor coating system.

USES

Sikafloor® MultiDur WS-10 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

Sikafloor® MultiDur WS-10 is used in industrial buildings such as:

- Storage areas
- Assembly halls
- Logistics facilities and warehouses
- Manufacturing facilities and workshops

Please note:

- The System may only be used by experienced professionals.

CHARACTERISTICS / ADVANTAGES

- Low VOC emissions
- Low Airborne Molecular Contaminants (AMC) emissions
- Low VOC content
- Low odour
- Seamless
- Good mechanical resistance
- Good resistance to specific chemicals
- Easy application
- Good water vapour permeability
- Low maintenance

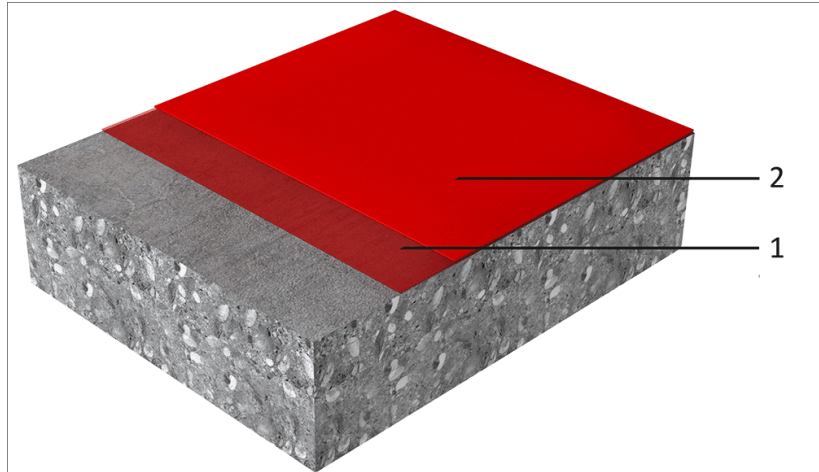
APPROVALS / STANDARDS

- Fire Testing DIN EN 13501-1, Sikafloor®-MultiDur WS-10, Hoch, Report No KB-Hoch-

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur WS-10



Layer	Product
1. Primer	Sikafloor®-2540 W + 5 % water by weight
2. Top coat	Sikafloor®-2540 W

Composition	Water-based epoxy
Appearance	Smooth, semi-gloss finish
Colour	Cured system colour Available in various colour shades
Nominal thickness	0.2-0.3 mm

TECHNICAL INFORMATION

Abrasion Resistance	Cured 14 days at +23 °C	63 mg (CS 10 / 1000 g / 1000 cycles)	(EN ISO 5470-1)
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®-2540 W + 5 % water by weight	1 × 0.2–0.3 kg/m ²
	Top coat	Sikafloor®-2540 W	1–2 × 0.2–0.3 kg/m ² per layer

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	75 % 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	Before applying Sikafloor®-2540 W on Sikafloor®-2540 W allow:			
	Substrate temperature	Minimum	Maximum	
	+10 °C	48 hours	7 days	
	+20 °C	20 hours	6 days	
	+30 °C	10 hours	3 days	
Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity. If relative air humidity is $\geq 75\%$ the waiting time is increased by at least 24 hours.				
Applied Product Ready for Use	Temperature	Foot traffic	Light traffic	Full cure
	+10 °C	48 hours	5 days	10 days
	+20 °C	20 hours	3 days	7 days
	+30 °C	10 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.			

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 — Evaluation and preparation of surfaces for flooring systems
- 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.

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System Data Sheet
 Sikafloor® MultiDur WS-10
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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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