

## SYSTEM DATA SHEET

# Sikafloor® MultiDur WS-10

Smooth, water based, low VOC /AMC emissions epoxy floor covering

## DESCRIPTION

Sikafloor® MultiDur WS-10 is a water dispersed, coloured low VOC /AMC emissions epoxy covering for flooring applications

## USES

Sikafloor® MultiDur WS-10 may only be used by experienced professionals.

- Can be subjected to normal up to medium heavy mechanical and chemical loading
- For production areas, warehouses, car park decks, garages, etc.

## CHARACTERISTICS / ADVANTAGES

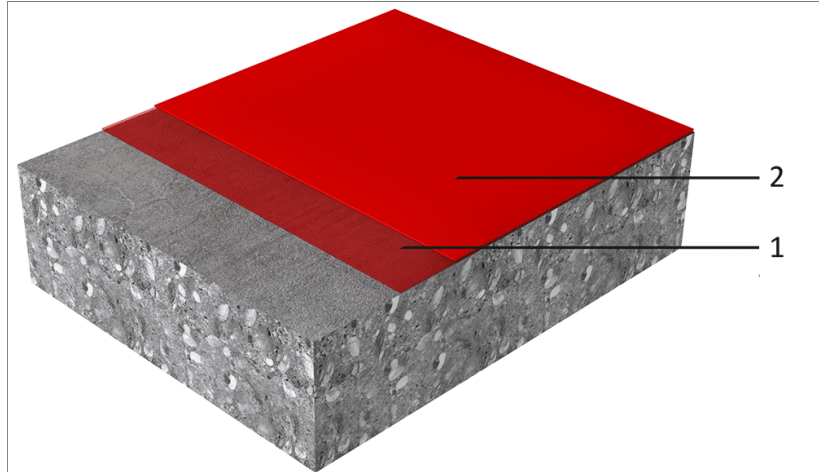
- Good chemical and mechanical resistance
- Water vapour permeable
- Can be cleaned up with water
- Odourless
- Easy application

## APPROVALS / STANDARDS

- ISEGA Certificate of Conformity
- Fire classification in accordance with EN 13501-1, Report-No. PB-Hoch-130019, Germany, January 2013.
- Particle emission certificate Sikafloor-2540 W CSM Statement of Qualification – ISO 14644-1, class 4– Report No. SI 1212-624 and GMP class A, Report No. SI 1212-624.
- Outgassing emission certificate Sikafloor-2540 W: CSM Statement of Qualification – ISO 14644-8, class 9.6 - Report No. SI 1212-624.
- Good biological Resistance in accordance with ISO 846, CSM Report No. 1212-624
- Eurofins Emission tested according to the AgBB-scheme and guidelines of the DiBt (AgBB – Committee for Health-related Evaluation of Building Products, DiBt – German Institute for Building Technology). Sampling, testing and evaluation were performed according to ISO-16000, Report No. G20152B.
- Eurofins Emission tested according to the Emicode EC1+-scheme , Report No. G19919B
- Eurofins Emission tested according to M1 Protocol, Report No. 392-2014-00087005D
- Eurofins Emission tested according to French Label, Report No. 392-2014-00087005A

# SYSTEM INFORMATION

## System Structure



**Sikafloor® MultiDur WS-10 system (~ 0.2-0.3 mm)**

1. Primer	Sikafloor®-2540 W+ 5% water
2. Top coat	Sikafloor®-2540 W

<b>Composition</b>	Epoxy waterborne
<b>Appearance</b>	Semi-gloss finish
<b>Colour</b>	Available in various colour shades.
<b>Nominal thickness</b>	~0.2-0.3mm

## TECHNICAL INFORMATION

<b>Abrasion Resistance</b>	63 mg (CS 10/1000/1000) (14 days / +23°C) (DIN 53 109 Taber Abrader Test)									
<b>Reaction to Fire</b>	Bfl-S1	(DIN EN 13501-1)								
<b>Chemical Resistance</b>	Contact Sika technical service for specific information									
<b>Thermal Resistance</b>	<table border="1"> <thead> <tr> <th>Exposure*</th> <th>Dry heat</th> </tr> </thead> <tbody> <tr> <td>Permanent</td> <td>+60 °C</td> </tr> <tr> <td>Short-term max. 7 d</td> <td>+80 °C</td> </tr> <tr> <td>Short-term max. 12 h</td> <td>+100 °C</td> </tr> </tbody> </table> <p>Short-term moist/wet heat* up to +80 °C where exposure is only occasional (i.e. during steam cleaning etc.) *No simultaneous chemical and mechanical exposure.</p>	Exposure*	Dry heat	Permanent	+60 °C	Short-term max. 7 d	+80 °C	Short-term max. 12 h	+100 °C	
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<b>Skid / Slip Resistance</b>	R9	(DIN 51130)								

## APPLICATION INFORMATION

<b>Consumption</b>	<b>Sikafloor® MultiDur WS-10 system (~ 0.2-0.3 mm)</b>		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	Primer	1 × Sikafloor®-2540 W + 5% water	~0.2-0.3 kg/m <sup>2</sup>
	Top coat	1-2 × Sikafloor®- 2540 W	~0.2-0.3 kg/m <sup>2</sup> per layer
<b>Product Temperature</b>	Please refer to the individual Product Data Sheets		
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.		
<b>Relative Air Humidity</b>	75 % r.h. max., adequate fresh air ventilation must be provided to remove		

excess moisture during curing.

<b>Dew Point</b>	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.																		
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.																		
<b>Substrate Moisture Content</b>	When performing application work with Sikafloor® MultiDur WS-10, the substrate moisture content must not exceed 6 % pbw measured by Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). Osmosis caused by rising moisture is not covered by the product warranty.																		
<b>Waiting Time / Overcoating</b>	Before applying Sikafloor®-2540 W on Sikafloor®-2540 W allow: <table border="1"><thead><tr><th><b>Substrate temperature</b></th><th><b>Minimum</b></th><th><b>Maximum</b></th></tr></thead><tbody><tr><td>+10 °C</td><td>48 hours</td><td>7 days</td></tr><tr><td>+20 °C</td><td>20 hours</td><td>6 days</td></tr><tr><td>+30 °C</td><td>10 hours</td><td>3 days</td></tr></tbody></table> Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. When relative air humidity is ≥ 75 % the waiting time is increased by at least 24 hours.			<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	+10 °C	48 hours	7 days	+20 °C	20 hours	6 days	+30 °C	10 hours	3 days				
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## BASIS OF PRODUCT DATA

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

Please refer to :

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems

## LIMITATIONS

- Do not apply on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur WS-10 should be protected from damp, condensation and water for at least 24 hours.
- Always ensure adequate fresh air ventilation when using Sikafloor® MultiDur WS-10 in confined spaces to avoid curing problems.
- The “gloss” of the finish can vary with temperature, humidity and the absorbency of the substrate.
- With light colour shades (e.g. yellow or orange) it may be necessary to apply several coats of Sikafloor®-2540 W to achieve full opacity (hiding power).
- Under direct sun radiation there may be some discoloration and colour deviation, this has no influence on the function and performance of the coating.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor®-

2540 W in each area is applied from the same control batch numbers.

- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

## ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## MAINTENANCE

### CLEANING

Please refer to the Method Statement Sikafloor®-Cleaning Regime

## 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.

### SYSTEM DATA SHEET

Sikafloor® MultiDur WS-10  
December 2023, Version 02.01  
02081190000000021

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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