

SYSTEM DATA SHEET

Sikafloor® MultiDur WS-25

SMOOTH WATER BASED LOW EMISSIONS EPOXY FLOOR SYSTEM

DESCRIPTION

Sikafloor® MultiDur WS-25 is an epoxy, coloured, water based, low VOC /AMC emissions, resin based floor coating system. It provides a hard wearing, seamless, chemical resistant, low maintenance, smooth semi-gloss finish. For normal - medium wear conditions. Thickness 2.0 – 3.0 mm. Internal use.

USES

Sikafloor® MultiDur WS-25 may only be used by experienced professionals.

- On concrete and cementitious screeds with normal up to medium heavy wear e.g. storage, maintenance, workshops, garages, car park decks, warehouses and production areas.

CHARACTERISTICS / ADVANTAGES

- Low VOC / AMC emissions
- Good chemical and mechanical resistance
- Water dilutable
- Odourless
- Easy application

ENVIRONMENTAL INFORMATION

- Conformity with LEED v4 MRc 2 (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations - Sikafloor®-240 W
- Conformity with LEED v4 MRc 4 (Option 2): Building Product Disclosure and Optimization - Material Ingredients - Sikafloor®-240 W
- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings - Sikafloor®-240 W
- IBU Environmental Product Declaration (EPD) available - Sikafloor®-240 W
- VOC emission classification GEV-Emicode EC1^{PLUS}, Report No. G19919B - Sikafloor®-2540 W
- VOC emission classification of building materials RTS M1 - Sikafloor®-2540 W
- VOC emission certificate according to AgBB und DIBt approval requirements, Report No. Z-156.605-1300 - Sikafloor®-2540 W
- Class A+ according to French Regulation on VOC emissions, Report No. 392-2014-00087005C - Sikafloor®-2540 W

APPROVALS / STANDARDS

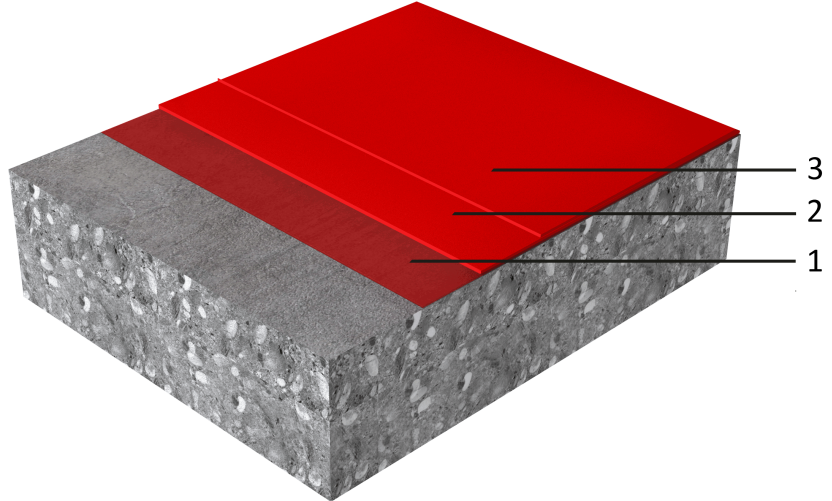
- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating - Sikafloor®-2540 W
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings - Sikafloor®-2540 W

PRODUCT INFORMATION

Packaging	Refer to the individual Product Data Sheets
Shelf Life	Refer to the individual Product Data Sheets
Storage Conditions	Refer to the individual Product Data Sheets

SYSTEM INFORMATION

System Structure Sikafloor® MultiDur WS-25 system (~2–3 mm)



Layer	Product
1. Primer	Sikafloor®-2540 W +5% water by weight
2. Wearing layer	Sikafloor®-240 W
3. Top coat	Sikafloor®-2540 W

Composition	Water based epoxy
Appearance	Smooth semi-gloss finish
Colour	Available in many colours
Nominal Thickness	~2–3mm

TECHNICAL INFORMATION

Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for specific information
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APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur WS-25 system		
	Layer	Product	Consumption
	1. Primer	1 × Sikafloor®-2540 W	~0.2 – 0.3 kg/m ² thinned with 5 % water
	2. Wearing layer	1 x Sikafloor-240 W filled 10:1 with quartz sand 0.08–0.25 mm by weight	~2.25 kg/m ² /mm
	3. Top coat	1-2 × Sikafloor®- 2540 W	~1-2× 0.2–0.3 kg/m ² per layer or 25 ml / m ²

Ambient Air Temperature	+10 °C min. / +30 °C max.
Relative Air Humidity	75 % r.h. max.

Dew Point	Beware of condensation. The substrate and uncured applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.																										
Substrate Temperature	+10 °C min. / +30 °C max.																										
Substrate Moisture Content	≤6 % parts by weight Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).																										
Waiting Time / Overcoating	<p>Before applying Sikafloor®-240 W on Sikafloor®-2540 W allow:</p> <table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</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> <p>Before applying Sikafloor®-2540 W on Sikafloor®-240 W allow:</p> <table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>24 hours</td> <td>3 days</td> </tr> <tr> <td>+20 °C</td> <td>15 hours</td> <td>2 days</td> </tr> <tr> <td>+30 °C</td> <td>10 hours</td> <td>1 day</td> </tr> </tbody> </table> <p>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.</p>			Substrate temperature	Minimum	Maximum	+10 °C	48 hours	7 days	+20 °C	20 hours	6 days	+30 °C	10 hours	3 days	Substrate temperature	Minimum	Maximum	+10 °C	24 hours	3 days	+20 °C	15 hours	2 days	+30 °C	10 hours	1 day
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MAINTENANCE

CLEANING

Refer to Method Statement: Sikafloor®-Cleaning Regime

FURTHER DOCUMENTS

- 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.
- After application, product must be protected from damp, condensation and water for at least 24 hours.
- Always ensure adequate fresh air ventilation when using Sikafloor® MultiDur WS-25 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). Carry out a preliminary trial to confirm.
- 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 indentations in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

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.

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.

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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