

SYSTEM DATA SHEET

Sikafloor® MultiDur WS-18

Water-based, low-VOC, smooth gloss epoxy floor coating system

PRODUCT DESCRIPTION

Sikafloor® MultiDur WS-18 is a water-based, low-VOC epoxy floor coating system that provides a smooth finish.

USES

Sikafloor® MultiDur WS-18 may only be used by experienced professionals.

Sikafloor® MultiDur WS-18 is used for:

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

Please note:

- The System may only be used for interior applications.
- The System may only be used by experienced professionals.

CHARACTERISTICS / ADVANTAGES

- Suitable for floors with normal to medium-heavy mechanical and chemical loading
- Low VOC emissions
- Seamless
- Good resistance to chemicals
- Good mechanical resistance
- Easy application
- Good water vapour permeability
- Dilutable by water
- Low odour
- Easy to clean

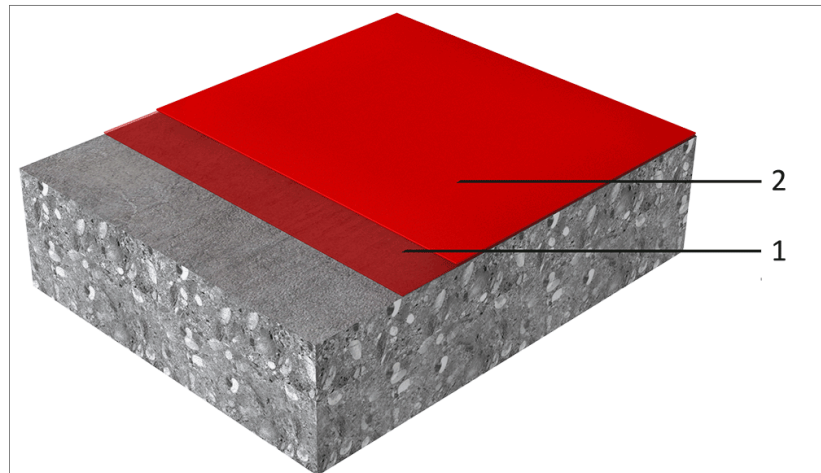
APPROVALS / STANDARDS

- Reaction to fire EN 13501-1:2018, Sikafloor® MultiDur WS-18, GHENT, Test report No. CR 23-0398-01.

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur WS-18



	Product	Layer
1.	Primer	Sikafloor®-2510 W + 10 % water by weight
2.	Top Coat	Sikafloor®-2510 W

Add coloured chips or antislip agent to the top coat to increase slip resistance.

Transparent Sikafloor®-2510 W can be used as a primer and a top coat to enhance the natural aesthetic of concrete or mineral substrates.

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

TECHNICAL INFORMATION

Abrasion Resistance	Cured 7 days at +23 °C	723 mg (H22 wheel / 1000 cycles / 1000 g)	(EN ISO 5470-1)
Tensile adhesion strength	≥ 1.5 MPa		(EN 1542)
Reaction to Fire	Class B _{fl} -s1		(EN 13501-1)
Skid / Slip Resistance	With coloured chips	R 9	(DIN EN 16165)
	With antislip agent	R 9	

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	1 × Sikafloor®-2510 W + 10 % by weight water	0.15 – 0.2 kg/m ²
	Top Coat	1 – 2 × Sikafloor®-2510 W (Optional) Coloured chips or (Optional) Antislip agent	0.15 – 0.2 kg/m ² per layer 0.05 kg/m ² 4 % by weight

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	≤ 6 % parts by weight using the calcium carbide method (CM-method)	
----------------------------	--	--

Waiting Time / Overcoating	Before applying Sikafloor®-2510 W on Sikafloor®-2510 W, allow:		
	Substrate Temperature	Minimum	Maximum
	+10 °C	48 hours	7 days
	+20 °C	20 hours	6 days
	+30 °C	10 hours	3 days

If relative air humidity is ≥ 75 % the waiting time is increased by at least 24 hours.

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	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 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



System Data Sheet
Sikafloor® MultiDur WS-18
May 2024, Version 03.01
02081190000000215

SikafloorMultiDurWS-18-en-GB-(05-2024)-3-1.pdf