

SYSTEM DATA SHEET

Sikafloor® MultiDur WS-18

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

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.

FEATURES

- 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

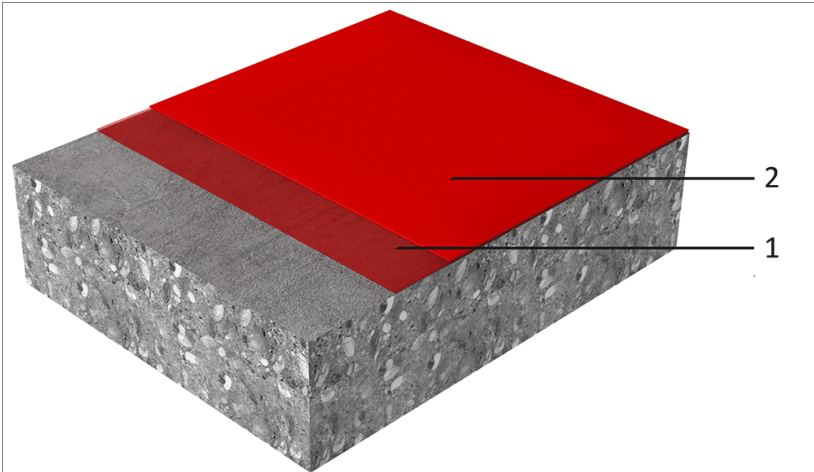
CERTIFICATES AND TEST REPORTS

- 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/m²	
	Top coat	1–2 × Sikafloor®-2510 W (Optional) Coloured chips or (Optional) Antislip agent	0.15–0.2 kg/m² per layer 0.05 kg/m² 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 to 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.				

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 DOCUMENTATION

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

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

Sika Danmark A/S

Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk



SYSTEM DATA SHEET

Sikafloor® MultiDur WS-18
December 2025, Version 03.01
020811900000000215

SikafloorMultiDurWS-18-en-DK-(12-2025)-3-1.pdf