

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-14

Unicolour epoxy roller coat flooring system

DESCRIPTION

Sikafloor® MultiDur ES-14 is a smooth, coloured, rigid flooring system based on epoxy resins.

USES

Sikafloor® MultiDur ES-14 may only be used by experienced professionals.

- For concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages
- For production an processing areas, warehouses, car park decks.

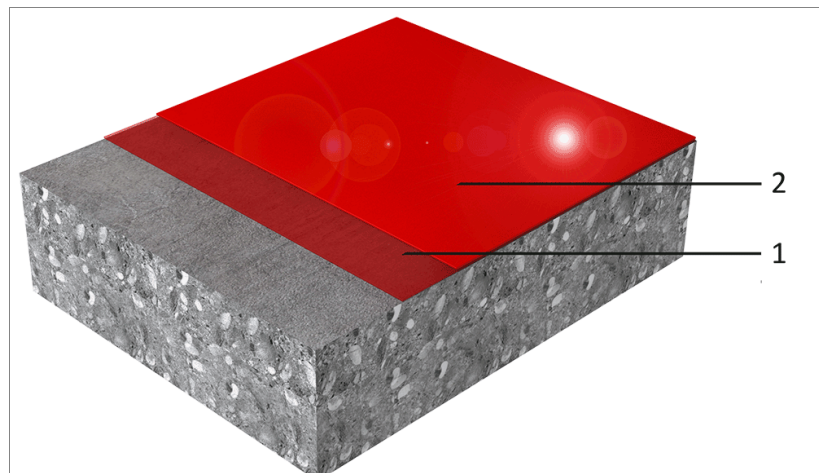
CHARACTERISTICS / ADVANTAGES

- Good chemical and mechanical resistance
- Good wear and abrasion resistance
- Easy application
- Liquid proof
- Gloss finish
- Easy cleanability
- Colour options

SYSTEMS

System structure

Sikafloor® MultiDur ES-14



Layer

1. Primer
2. Top coat

Product

- Sikafloor®-150/-151
- Sikafloor®-264

Composition	Epoxy
Appearance	Gloss finish
Colour	Available in various colour shades
Nominal thickness	0.6–0.8 mm

TECHNICAL INFORMATION

Shore D Hardness	~76 (7 days / +23 °C)	(DIN 53 505)
Abrasion resistance	~28 mg (CS 10/1000/1000) (7 days / +23 °C)	(DIN 53109)
Tensile adhesion strength	> 1.5 N/mm ² (failure in concrete)	(ISO 4624)
Chemical resistance	Please refer to the chemical resistance chart of Sikafloor®- 264	
Temperature resistance	Exposure*	Dry heat
	Permanent	+50 °C
	Short-term max. 7 d	+80 °C
	Short-term max. 12 h	+100 °C
Short-term moist/wet heat* up to +80 °C where exposure is only occasional (steam cleaning etc.)		
*No simultaneous chemical and mechanical exposure.		

APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur ES-14 system		
	Coating System	Product	Consumption
	Primer	1–2 × Sikafloor®-150/-151	1–2 × 0.35–0.55 kg/m ²
Top coat	1–2 × Sikafloor®-264	1–2 × 0.25–0.3 kg/m ² for each layer	
Product temperature	Please refer to the individual Product Data Sheet		
Ambient air temperature	+10 °C min. / +30 °C max.		
Relative air humidity	80 % r.h. max.		
Dew point	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.		
Substrate temperature	+10 °C min. / +30 °C max.		
Substrate moisture content	When performing application work with Sikafloor® MultiDur ES-14, the substrate moisture content must not exceed 4 % pbw measured by Tramex. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
Waiting time to overcoating	Before applying Sikafloor®-264 on Sikafloor®-150/-151 allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	24 hours	3 days
	+20 °C	12 hours	2 days
	+30 °C	8 hours	1 day
	Before applying Sikafloor®-264 on Sikafloor®-264 allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	30 hours	3 days
	+20 °C	24 hours	2 days
	+30 °C	16 hours	1 day
	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	~ 72 hours	~ 6 days	~ 10 days
+20 °C	~ 24 hours	~ 4 days	~ 7 days
+30 °C	~ 18 hours	~ 2 days	~ 5 days

Note: Times are approximate and will be affected by changing ambient conditions.

PRODUCT INFORMATION

Packaging	Please refer to the individual Product Data Sheet
Shelf life	Please refer to the individual Product Data Sheet
Storage conditions	Please refer to the individual Product Data Sheet

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 INFORMATION

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

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor® MultiDur ES-14 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur ES-14 must be protected from damp, condensation and water for at least 24 hours.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor®-264 in each area is applied from the same control batch numbers.

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.

Sika Danmark A/S
Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk



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MAINTENANCE

CLEANING

Please refer to the Method Statement Sikafloor®-Cleaning Regime

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.

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