

BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor[®] MultiDur ES-23 ECC HK

Smooth Unicolour Epoxy Floor Covering

DESCRIPTION

Sikafloor[®] MultiDur ES-23 ECC HK is a smooth coloured rigid system for flooring applications.

USES

Sikafloor[®] MultiDur ES-23 ECC HK may only be used by experienced professionals.

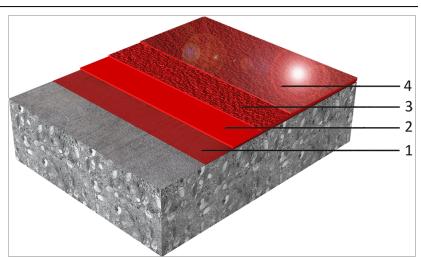
Self-smoothing system for concrete and cement screeds with medium heavy wear e.g. indoor and out-door carpark system.

SYSTEM INFORMATION

System structure

CHARACTERISTICS / ADVANTAGES

- Good chemical and mechanical resistance
- Good wear and abrassion resistance
- Easy application
- Liquid proof
- Gloss finish
- Easy cleanability
- Colour options
- High solids
- Slip resistance surface
- Good UV resistance, non-yellowing



Sikafloor[®] MultiDur ES-23 ECC HK (~ 3 mm)

1. Primer	SikaRepair [®] EpoCem Modul HC
2. Moisture barrier & self levelling	Sikafloor [®] -81 EpoCem [®] New HC
3. Colour coat	Sikafloor [®] -264
4. Top coat	Sikafloor [®] -315

Composition

Appearance

Polyurethane, Epoxy Smooth gloss finish

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TECHNICAL INFORMATION

Shore D Hardness	~ 76 (7 days / +23 °C)	(DIN 53 505)
Abrasion resistance	10–20 mg (CS 17/1000/1000)	(ASTM D4060)
Compressive strength	~ 108 N/mm²	BS 6319: Part 2: 1983
Tensile strength	~ 13.5 N/mm² (7 days / +23 °C)	(BS 6319: Part: 7)
Skid / slip resistance	PTV : Dry 136 / Wet 30	(BS7976-2:2002)

APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur ES-23 ECC HK (~ 2.6–3.0 mm)					
	Coating System	Product	Consumption			
	Primer	SikaRepair [®] EpoCem	~ 0.3kg/m²			
		Modul HC				
	Moisture barrier & self	Sikafloor [®] -81 EpoCem [®]	2.25 kg/m²/mm per			
	levelling	New HC	coat @ 2 coats			
	Colour coat	Sikafloor®-264 Optional : 2 % pbw of "Sika® Ex-	~ 0.3 kg/m ²			
		tender T"				
	Top coat	Sikafloor®-315	~ 0.128 kg/m ²			
Material temperature	Please refer to the individual Product Data Sheet					
Ambient air temperature	+10 °C min. / +30 °C ma	+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.					
		+10 °C min. / +30 °C max.				
Substrate temperature	+10 °C min. / +30 °C ma	х.	it is possible to apply y			
	+10 °C min. / +30 °C ma Once Sikafloor®-81 Epoo pour permeable seal co Sikafloor®-81 EpoCem® 4%. Before applying Sikafloo	x. Cem [®] New HC is tack free ats. For the application of New HC, allow the surface pr [®] -264 on Sikafloor [®] -81 E	vapour tight coatings o e moisture to fall below poCem® allow:			
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BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor[®] MultiDur ES-23 ECC HK on substrates with rising moisture.
- Freshly applied Sikafloor[®] MultiDur ES-23 ECC HK must be protected from damp, condensation and water for at least 24 hours.
- The incorrect assessment and treatment of cracksmay lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor[®]-315 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 CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

MAINTENANCE

CLEANING

Refer to the Method Statement Sikafloor®-Cleaning Regime

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.



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