

SYSTEM DATA SHEET

Sikafloor® DecoDur EM-21 Compact

Highly mechanical resistant, power float finished, coloured quartz flooring system

PRODUCT DESCRIPTION

Sikafloor® DecoDur EM-21 Compact is a highly mechanical resistant, decorative, coloured, low VOC, flooring system designed for indoor applications.

USES

Sikafloor® DecoDur EM-21 Compact installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

The System is used in the following commercial and public buildings and areas:

- Airports
- Schools and universities
- Healthcare facilities and hospitals
- Shopping malls and museums

Please note:

- The System may only be used for interior applications.

CHARACTERISTICS / ADVANTAGES

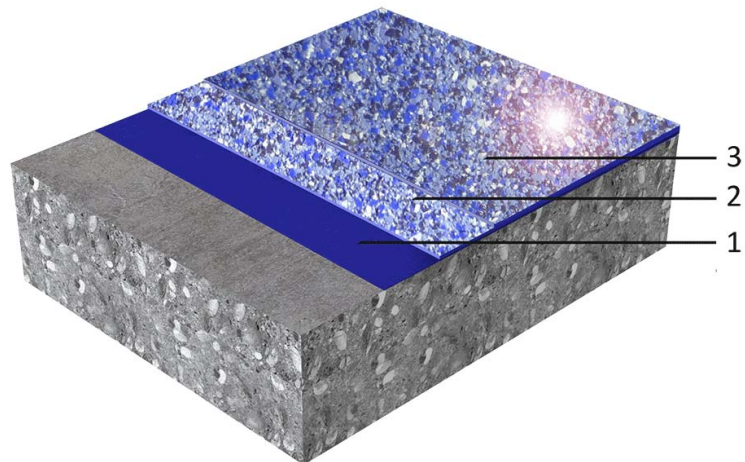
- Good resistance to abrasion
- Very good mechanical resistance
- Decorative design
- Low VOC and AMC emissions
- Low VOC content
- Seamless and hygienic

APPROVALS / STANDARDS

- Fire Classification Report EN 13501-1, Ghent, No. CR 22-0346-01
- Slip resistance test DIN 51130, Roxeler, No. 020068-18-29

SYSTEM INFORMATION


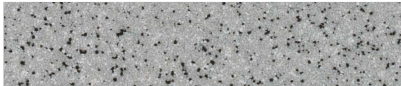
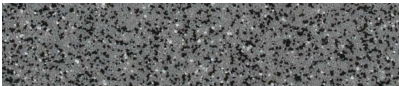
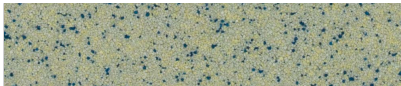
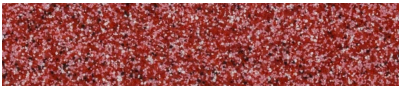
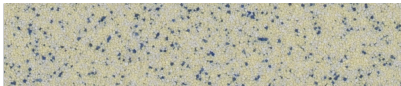
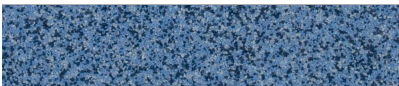

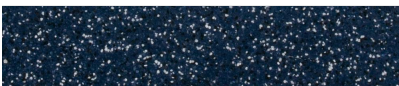
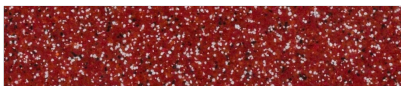


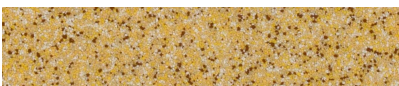
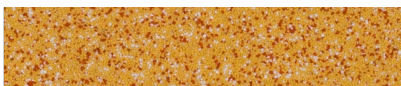
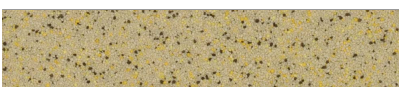
System Structure



Layer	Product
1. Primer	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590 Lightly broadcasted with Sika® Quartz PU 0.3–1.2mm Contact Sika technical service for information on choosing the right primer for your project.
2. Wearing layer	Slurry of 1 part by weight Sikafloor®-169 + 1 part by weight Sikafloor® Compact
3. Broadcast	Broadcast to excess with Sika® Quartz PU 0.3–1.2mm and power-floated
4. Seal coat	Sikafloor®-169
5. Top coat	Sikafloor®-304 W

Composition Epoxy

Appearance Smooth or lightly textured finish

Colour	Iceberg:	Hiero:
		
	Noblesse:	Amande:
		
	Framboise:	Fleur De Tilleul:
		
	Blue Jean:	Nougat:
		
	Mer Du Nord:	Bordeaux:
		
	Granit:	Peche:
		
	Dune:	Sanguine:
		
	Sable:	
		

Nominal thickness 2 mm to 3 mm

TECHNICAL INFORMATION

Tensile adhesion strength	≥ 1.5 MPa	(EN 1542)
Reaction to Fire	Class B _{fl} -s1	(EN 13501-1)
Chemical Resistance	Refer to Product Data Sheet of the top coat.	
Skid / Slip Resistance	R 9	(DIN 51130)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer	Sikafloor®-150	1-2 × ~0.3-0.5 kg/m ²
	Broadcast	Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-1590 Lightly broadcasted with Sika® Quartz PU 0.3–1.2mm	~1.0 kg/m ²
	Wearing layer	Slurry of 1 pbw Sika- floor®-169 + 1 pbw Sika- floor® Compact	~1.5–1.7 kg/m ²
	Broadcast	Broadcast to excess with Sika® Quartz PU 0.3–1.2mm	~3.0–4.0 kg/m ²
	Seal coat	Sikafloor®-169	1 × ~0.25–0.3 kg/m ²
	Top coat	Sikafloor®-304 W	1 × ~0.13 kg/m ² diluted 10 % with water

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 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	80 % r.h.
Dew Point	Refer to the individual Product Data Sheet.	
Substrate Temperature	Maximum	+30 °C
	Minimum	+10 °C
Substrate Moisture Content	Refer to the individual Product Data Sheet.	

Waiting Time / Overcoating

When using Sikafloor®-1590 refer to the individual Product Data Sheet for specific information on waiting time to overcoating.

Before applying Sikafloor®-169 on Sikafloor®-150/Sikafloor®-151/ Sikafloor®-156/ Sikafloor®-161 allow:

Temperature	Minimum	Maximum
+10 °C	~17 hours	~4 days
+20 °C	~9 hours	~48 hours
+30 °C	~7 hours	~24 hours

Before applying Sikafloor®-304 W on Sikafloor®-169 allow:

Temperature	Minimum	Maximum
+10 °C	~45 hours	~4 days
+20 °C	~36 hours	~3 days
+30 °C	~24 hours	~48 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	~30 hours	~48 hours	~6 days
+20 °C	~16 hours	~24 hours	~4 days
+30 °C	~12 hours	~18 hours	~3 days

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

VALUE BASE

All technical data stated in this 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

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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 the 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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System Data Sheet
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