

## SYSTEM DATA SHEET

# Sikafloor® DecoDur ES-26 Flake

DECORATIVE, SMOOTH, LOW VOC, COLOURED FULL FLAKED EPOXY FLOOR COVERING

### DESCRIPTION

Sikafloor® DecoDur ES-26 Flake is a decorative, coloured, smooth low VOC, full flaked floor covering designed for indoor applications.

### USES

Sikafloor® DecoDur ES-26 Flake may only be used by experienced professionals.

- Particularly used in the life science, pharmaceutical industries and health care industry
- Education (e.g. Schools and Universities)
- Leisure & Culture (e.g. Museums, Stadiums)
- Retail (e.g. Shopping Malls)

### CHARACTERISTICS / ADVANTAGES

- Decorative
- Low VOC-content
- Good mechanical and abrasion resistance
- Easy application

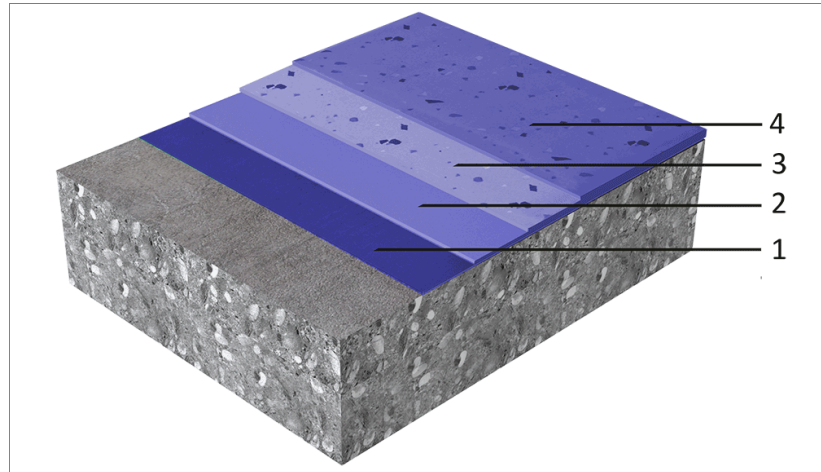
### APPROVALS / STANDARDS

- Particle emission certificate Sikafloor® DecoDur ES-26 Flake CSM Statement of Qualification Report GMP A- No. SI 1008-533 (system tested with Sikafloor®-169 as a top coat)
- Biological resistance certificate Sikafloor® DecoDur ES-26 Flake CSM Statement of Qualification – ISO 846, very good - Report No. SI 1008-533. (system tested with Sikafloor®-169 as a top coat)

# SYSTEM INFORMATION

## System Structure

## Sikafloor® DecoDur ES-26 Flake system




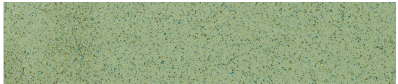


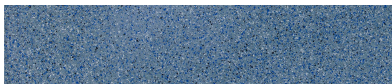
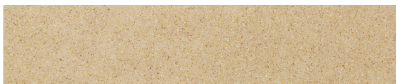




Layer	Product
1. Primer	Sikafloor®-156, -160, -161 or -169
2. Wearing coat	Sikafloor®-263 SL or -264 pigmented approx. the same like the following Sika PVA ColorFlakes (filled 1:1 with quartz sand 0.1–0.3 mm)
3. Broadcast & Seal coat	broadcast in excess with Sika®-PVA ColorFlakes 3 mm First seal coat with Sikafloor®-169. Soft grinding the next day and a second seal coat with Sikafloor®-169
4. Top coat	Sikafloor®-315 with high scratch resistance

**Composition** Epoxy

**Appearance** Glossy orange peel finish possible

### Colour

Iceberg:	Hiero:
	
Noblesse:	Amand:
	
Framboise:	Fleur de Tilleul:
	
Blue Jean:	Nougat:
	
Mer du Nord:	Bordeaux:
	

Granit:



Peche:



Dune:



Sanguine:



Sable:



Nominal Thickness ~ 2–3mm

## TECHNICAL INFORMATION

Reaction to Fire	Bfl-S1	(DIN EN 13501-1)
Chemical Resistance	Resistant to many chemicals. Contact Sika technical service for specific information.	
Skid / Slip Resistance	R9	(DIN 51130)

## APPLICATION INFORMATION

Consumption	Sikafloor® DecoDur ES-26 Flake system		
	Coating System	Product	Consumption
	Primer	1–2 × Sikafloor®-156, -160, -161 or -169	1–2 × ~ 0.3–0.5 kg/m <sup>2</sup>
	Wearing coat	Sikafloor®-263 SL or -264 pigmented approx. the same like the following flake mix, filled 1:1 with quartz sand 0.1–0.3 mm	~ 1.9 kg/m <sup>2</sup> per mm
	Broadcast	Broadcast in excess with Sika®-PVA Color-Flakes 3 mm	~ 1.0 kg/m <sup>2</sup>
	First seal coat	1 × Sikafloor®-169	~ 0.6–0.7 kg/m <sup>2</sup>
	Second seal coat	1 × Sikafloor®-169 after sanding of the sealed surface	~ 0.3 kg/m <sup>2</sup>
	Top coat (Optional)	1 × Sikafloor®-315 after sanding of the sealed surface	~ 0.128 kg/m <sup>2</sup>

\* Before applying Sikafloor®-315 please refer to the individual product data sheet.

Product Temperature	Please refer to the individual Product Data Sheets
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**

When performing application work with Sikafloor® Decodur ES-26 Flake, 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).

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**Waiting Time / Overcoating**

Before applying Sikafloor®-169 on Sikafloor®-156/ -161/ -160/ -264/-169 allow:

<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>
+10 °C	36 hours	4 days
+20 °C	12 hours	2 days
+30 °C	8 hours	1 day

Before applying Sikafloor®-315 on Sikafloor®-169 allow:

Before applying Sikafloor®-315 on Sikafloor® epoxies, the surface has to be treated with a green Scotch-Brite™ pad to remove contaminations or be cleaned professionally with Kärcher RM 776 or Veroclean.

<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>
+10 °C	30 hours	4 days
+20 °C	24 hours	3 days
+30 °C	6 hours	2 days

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

**Applied Product Ready for Use**

Sikafloor®-169

<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
+10 °C	~ 48 hours	~ 6 days	~ 10 days
+20 °C	~ 30 hours	~ 4 days	~ 7 days
+30 °C	~ 20 hours	~ 3 days	~ 5 days

Sikafloor®-315

<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
+10 °C	~ 20 hours	~ 48 hours	~ 6 days
+20 °C	~ 16 hours	~ 36 hours	~ 4 days
+30 °C	~ 12 hours	~ 24 hours	~ 3 days

**PRODUCT INFORMATION****Packaging**

Please refer to the individual Product Data Sheets

**Shelf Life**

Please refer to the individual Product Data Sheets

**Storage Conditions**

Please refer to the individual Product Data Sheets

## MAINTENANCE

### CLEANING

Please refer to the Method Statement Sikafloor®-Cleaning Regime

### LIMITATIONS

- Do not apply Sikafloor® DecoDur ES-26 Flake on substrates with rising moisture.
- Freshly applied Sikafloor® DecoDur ES-26 Flake 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 that all the products in each area are 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 CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

### 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.

### 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.

## 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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

### 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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#### SYSTEM DATA SHEET

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