

SYSTEM DATA SHEET

Sikafloor® DecoDur ES-26 Flake

DECORATIVE SMOOTH COLOURED FLAKE EPOXY FLOORING SYSTEM

DESCRIPTION

Sikafloor® DecoDur ES-26 Flake is an epoxy coloured resin based decorative flake flooring system that can provide a hard wearing, seamless, low maintenance, smooth, scratch resistant glossy finish. Thickness 2,0 – 3,0 mm. Internal use.

USES

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

- Decorative resin flooring for:
- Pharmaceutical industry
- Life Science industry
- Health care industry
- Education facilities
- Retail industry
- Leisure facilities

CHARACTERISTICS / ADVANTAGES

- Decorative
- Seamless
- Good mechanical and scratch resistance
- Easy cleanability
- Low dirt pick up
- Low maintenance
- Waterproof

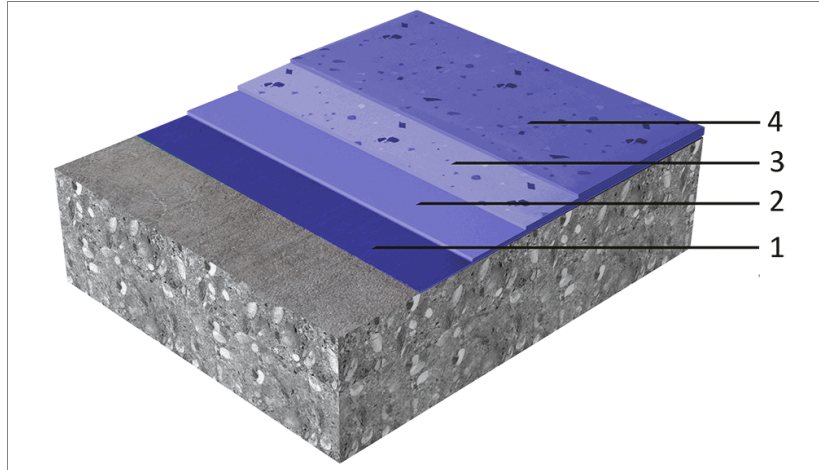
APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings
- Fire Testing EN 13501-1, Sikafloor® DecoDur ES-26 Flake, Exova, Classification report No. 2013-1866-K1-1
- Fire Testing ISO 9239-1, ISO 11925-2, Sikafloor® DecoDur ES-26 Flake, Exova, Test report No. 2013-1866-1
- Particle Emission, Biological Stress ISO 846, Sikafloor®-169/-DecoFiller/-304 W, CSM Fraunhofer, Certificate No. SI/1008-533
- Cleanroom Suitability Sikafloor®, Fraunhofer IPA, Report No. SI 1008-533

SYSTEMS

System Structure

Sikafloor® DecoDur ES-26 Flake system



Layer

1. Primer

2. Wearing layer

3. Broadcast coloured flakes to excess & Seal coat

4. Top coat

Product

Sikafloor®-150/-151,-156, -160, -161 or -169

Sikafloor®-263 SL /-263 SL N or -264/-264 N

Sika®-PVA ColorFlakes (3 mm) & Sikafloor®-169

Sikafloor®-316

Composition

Epoxy

Appearance

Smooth gloss finish

Colour

Iceberg:



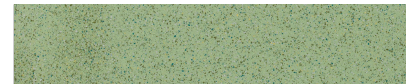
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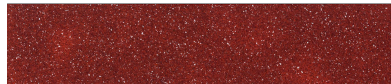
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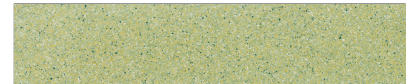
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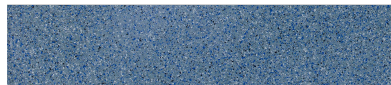
Framboise:



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	Sikafloor®-316 provides the chemical resistance. Refer to Product Data Sheet.	
Skid / Slip Resistance	R9	(DIN 51130)

APPLICATION INFORMATION

Consumption	Sikafloor® DecoDur ES-26 Flake (~2-3 mm)		
	Layer	Product	Consumption
	1. Primer	1–2 × Sikafloor®-150,-151,-156,-160, -161 or -169	1–2 × ~0,3–0,5 kg/m ²
	2. Wearing layer	Sikafloor®-263 SL /-263 SL N or -264 /-264 N filled 1:1 with quartz sand (0,1–0,3m) by weight	~1,9 kg/m ² per mm
	3. Decorative Broadcast	Sika®-PVA ColorFlakes (3 mm) to excess	~1,0 kg/m ²
	First seal coat	1 × Sikafloor®-169	~0,6–0,7 kg/m ²
	Second seal coat	1 × Sikafloor®-169 after lightly abrading the first seal coat	~0,3 kg/m ²
	4. Top coat (Optional)	1 × Sikafloor®-316 after lightly abrading the second seal coat	~0,1–0,12 kg/m ²

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

Ambient Air Temperature	+10 °C min. / +30 °C max.		
Relative Air Humidity	≤80 % max.		
Dew Point	Beware of condensation. The substrate and uncured applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.		
Substrate Temperature	+10 °C min. / +30 °C max.		
Substrate Moisture Content	≤4 % parts by weight Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
Waiting Time / Overcoating	Before applying Sikafloor®-263 SL /-263 SL N or -264/-264 N on Sikafloor®-150/-151/-156/-160/-161/-169 allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	36 hours	4 days
	+20 °C	12 hours	2 days
	+30 °C	8 hours	1 day
	Before applying Sikafloor®-316 on Sikafloor®-169 allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	30 hours	C4 days
	+20 °C	24 hours	3 days
	+30 °C	6 hours	2 days

Before applying Sikafloor®-316, lightly abrade Sikafloor®-169 surface with a green Scotch-Brite™ pad to remove contamination and provide a non-glossy bonding surface or be prepared professionally with Kärcher RM 776 or Veroclean.

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

Applied Product Ready for Use

Sikafloor®-169

Temperature	Foot traffic	Light traffic	Full cure
+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®-316

Temperature	Foot traffic	Light traffic	Full cure
+10 °C	~20 hours	~48 hours	~10 days
+20 °C	~16 hours	~36 hours	~7 days
+30 °C	~12 hours	~24 hours	~5 days

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

PRODUCT INFORMATION

Packaging	Refer to the individual Product Data Sheets
Shelf life	Refer to the individual Product Data Sheets
Storage conditions	Refer to the individual Product Data Sheets

MAINTENANCE

CLEANING

Refer to Sika® Method Statement: Sikafloor®-Cleaning Regime

FURTHER INFORMATION

- Sika® Method Statement: Sikafloor®-Cleaning Regime
- Sika® Method Statement: Mixing & Applications of Flooring Systems
- Sika® Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Individual Product Data Sheets within the flooring system
- Sika® Method Statement: Sikafloor® DecoDur ES-26 Flake

IMPORTANT CONSIDERATIONS

- Do not apply on substrates with rising moisture.
- After application, the products 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 indentations in the resin.
- If temporary 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.

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.

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.

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.

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.