

SYSTEM DATA SHEET

Sikafloor® DecoDur ES-26 Flake

Decorative, coloured vinyl flake, low VOC epoxy floor

DESCRIPTION

Sikafloor® DecoDur ES-26 Flake is a decorative, multi-coloured, textured, vinyl flaked floor covering designed for a range of interior applications.

USES

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

- Life Sciences, Pharmaceutical industries and Health-care facilities
- Education - Schools and Universities
- Leisure & Culture (e.g. Museums, Stadiums)
- Amenities change-rooms
- Clean room- laboratories

CHARACTERISTICS / ADVANTAGES

- Decorative
- range of colour combinations
- Low VOC-content
- Good mechanical and abrasion resistance
- Easy application
- Economical

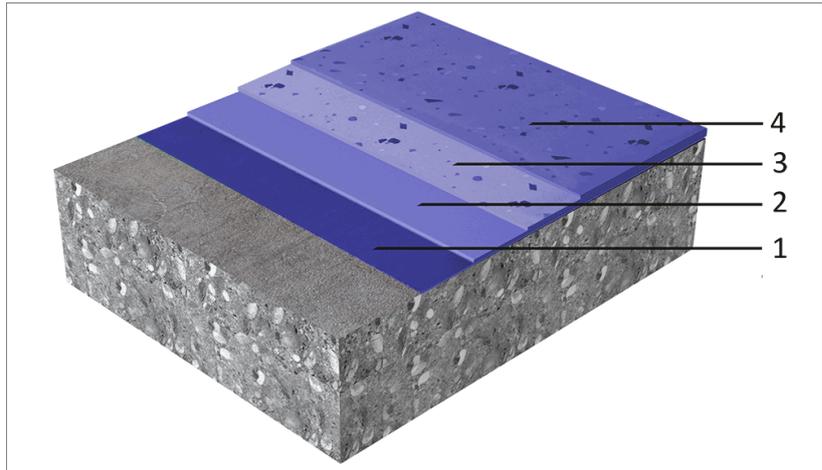
APPROVALS / CERTIFICATES

- Textures - Comforms to AS 4586-2013 P Ratings
- VOC - Australian Standards ASTM D3960 - Green Star Building Council - V2 IEQ-13 V1 IEQ-11
- APAS Certification APAS 0209/1L(Sikafloor 160/169)
- Fire - Critical radiant flux - Pass - AS/ISO 9239 Appendix B
- 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)
- Fire classification of Sikafloor® DecoDur ES-26 Flake in accordance with EN 13501-1, classification report-No. 2011-1379-K1, Exova Brandhaus, Germany, April 2011 (system tested with Sikafloor®-316 as a top coat)

SYSTEM INFORMATION

System structure

Sikafloor® DecoDur ES-26 Flake system



Layer	Product
1. Primer	Sikafloor®-160, or 161
2. Wearing coat	Sikafloor®-264 pigmented
3. Broadcast & Seal coat	Broadcast with Sika®-PVA Color-Flakes First seal coat with Sikafloor®-169.
4. Top coat	Sikafloor®-169 final coat

Note : For fine non slip texture add 60 or 80 mesh white aluminium oxide to final coat to P3 -P4

Composition	Epoxy
Appearance	Glossy orange peel finish - fine texture also optional.
Colour	Combinations can be created from a range of flake colours : Black, White, Grey, Blue, Green, Yellow, Red, Brown. Refer to Sika Technical Dept. for advice

Nominal thickness	~1.0-1.5mm
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TECHNICAL INFORMATION

Reaction to fire	Critical Radiant Flux - Pass	AS/ISO 9239.1 VS0209 Appendix B
Chemical resistance	Resistant to many chemicals. Contact Sika technical service for specific information.	
Skid / slip resistance	P1-to P4 Project specific texture	AS 4586-2013

APPLICATION INFORMATION

Consumption	Sikafloor® DecoDur ES-26 Flake system		
	Coating System	Product	Consumption
	Primer	1–2 × Sikafloor®-160/-161	~0.25-0.35 kg/m ²
	Wearing coat	Sikafloor®-264	~0.3-0.4 kg m ²
	Broadcast	Broadcast in excess with Sika®-PVA Color-Flakes 3 mm	~0.45-0.65 kg/m ²
	First seal coat	1 × Sikafloor®-169	~0.3-0.4 kg/m ²
	Second seal coat	1 × Sikafloor®-169	~0.25 kg/m ²
	Optional texture	White aluminium oxide 60 or 80 mesh to final coat	4-6%by volume
Material 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).		
Substrate moisture content	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). Use Sikafloor 161 Primer for moisture up to 6%pbw.		
Waiting time to overcoating	Before applying Sikafloor®-169 on Sikafloor®-264 / 169 allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	36 hours	4 days
	+20 °C	12 hours	2 days
	+30 °C	8 hours	1 day
	Substrate temperature	Minimum	Maximum
	+10 °C	30 hours	C4 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		
	Temperature	Foot traffic	Light traffic
	+10 °C	~48 hours	~6 days
	+20 °C	~30 hours	~4 days
	+30 °C	~20 hours	~3 days
		Full cure	
		~10 days	
		~7 days	
		~5 days	

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

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

Please refer to :

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems
- Sika® Method Statement Sikafloor® DecoDur ES-26 Flake

IMPORTANT CONSIDERATIONS

- 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 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

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surfaces should be clean, dry and free of contaminants such as oil, grease and curing membranes. Substrate should be prepared to achieve a profile of CSP2 and should achieve a cohesive bond pull off test value of >1.5mpa.

All unsound layers and any previous coatings are to be removed.

Any imperfections in the substrate profile that will be visible in the finished product are to be filled using Sikafloor 160 mortar, scrape fill layer or Sikadur 33 depending on the depth of imperfections.

Refer to Sikafloor 160/161 TDS for detailed information.

MIXING

Refer to individual Sikafloor 160/161/264/169 TDS

APPLICATION

Application of system layers - Refer to individual TDS for Sikafloor 160/161/264/169.

Application of vinyl flakes can be graded as sparse, partial and full broadcast.

The choice of these depends on how much of the base layer colour is desired to be visible in between the vinyl flakes.

During the removal of excess flakes post broadcast, it is recommended that the remaining adhered flake surface be lightly sanded or scraped to remove any high peaks.

This ensures a more even finish post application of the final coats of Sikafloor 169

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

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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April 2023, Version 05.02

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