

## SYSTEM DATA SHEET

# Sikafloor® DecoDur ES-22 Granite

HIGHLY DECORATIVE SMOOTH, LOW VOC, COLOURED GRANITE EFFECT FLOOR COVERING

## PRODUCT DESCRIPTION

Sikafloor® DecoDur ES-22 Granite is a highly decorative, coloured, smooth, low VOC floor covering with a granite effect designed for indoor applications.

## USES

Sikafloor® DecoDur ES-22 Granite 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

- Highly decorative
- Low VOC-content
- Good mechanical and abrasion resistance
- Easy application

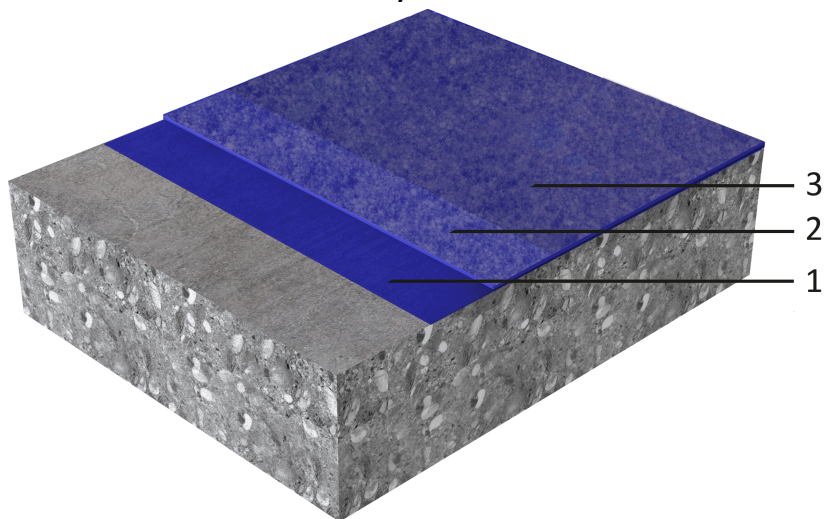
## APPROVALS / STANDARDS

- Particle emission certificate, CSM Statement of Qualification Report GMP A- No. SI 1008-533.
- Biological resistance certificate, CSM Statement of Qualification – ISO 846, very good - Report No. SI 1008-533.
- Eurofins Emission tested according to the AgBBs-scheme. (AgBB – Committee for Health-related Evaluation of Building Products). Sampling, testing and evaluation were performed according to ISO-16000, Report No.G05308C.
- Fire classification in accordance with EN 13501-1, classification report-No. PB-Hoch-170479-2, Hoch Fladungen, Germany, March 2017.
- Slip resistance certificate according to DIN 51130, class R9, Report No.12 6404-S/11, MPI Institute, August 2011, Germany.

# SYSTEM INFORMATION

System Structure

Sikafloor® DecoDur ES-22 Granite system



1. Primer	Sikafloor®-264
2. Wearing coat	Sikafloor®-169 + Sika-DecoFiller
3. Top coat	Sikafloor®-304 W

<b>Chemical base</b>	Epoxy
<b>Appearance</b>	Matt finish

**Colour**



<b>Nominal Thickness</b>	~2-3 mm
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## TECHNICAL INFORMATION

<b>Compressive Strength</b>	~75 N/mm <sup>2</sup> (7 days / +23°)	(EN-196-1)
<b>Reaction to Fire</b>	Bfl-S1	(DIN EN 13501-1)
<b>Chemical Resistance</b>	Resistant to many chemicals. Contact Sika technical service for specific information.	
<b>Skid / Slip Resistance</b>	R9	(DIN 51130)

## APPLICATION INFORMATION

<b>Consumption</b>	<b>Sikafloor® DecoDur ES-22 Granite system</b>		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	Primer	1-2 x Sikafloor®-264	1-2 x ~0.4–0.5 kg/m <sup>2</sup>
	Wearing coat	1 pbw Sikafloor®-169 + 1.5 pbw Sikafloor®-De- coFiller	~3.5–4.5 kg/m <sup>2</sup>
	Top coat	1 x Sikafloor®- 304 W (Matt finish)*	~0.15 kg/m <sup>2</sup>
	* Before applying Sikafloor®-304 W please refer to the individual product data sheet		
<b>Product Temperature</b>	Please refer to the individual Product Data Sheets		
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.		
<b>Relative Air Humidity</b>	80 % r.h. max.		
<b>Dew Point</b>	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.		
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.		
<b>Substrate Moisture Content</b>	When performing application work with Sikafloor® DecoDur ES-22 Granite, 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).		
<b>Waiting Time / Overcoating</b>	Before applying Sikafloor®-169 on Sikafloor®-156/-161/-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®-304 W on Sikafloor®-169 allow:		
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+10 °C	45 hours	4 days
	+20 °C	36 hours	3 days
	+30 °C	24 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	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®-304 W

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

## PRODUCT INFORMATION

<b>Packaging</b>	Please refer to the individual Product Data Sheets
<b>Shelf Life</b>	Please refer to the individual Product Data Sheets
<b>Storage Conditions</b>	Please refer to the individual Product Data Sheets

## MAINTENANCE

### CLEANING

Please refer to Sikafloor®- Cleaning Regime

## FURTHER DOCUMENTS

Please refer to :

- Sika® Information Manual Mixing & Applications of Flooring systems
- Sika® Information Manual Evaluation and Preparation of Surfaces for Flooring systems
- Sika® Information Manual Sikafloor® DecoDur ES-22 Granite

## LIMITATIONS

- Do not apply Sikafloor® DecoDur ES-22 Granite on substrates with rising moisture.
- Freshly applied Sikafloor® DecoDur ES-22 Granite 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.

## VALUE BASE

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 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.

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