

Sika®-CompactFloor

Highly mechanically resistant, power float finished, coloured quartz screed, designed for indoor application

System Description

Sika®-CompactFloor is a highly mechanical resistant, power float finished coloured quartz screed based on Sikafloor®-169 a two part, very low yellowing, low viscous, transparent epoxy resin.

"Total solid epoxy composition acc. to the test method Deutsche Bauchemie e.V. (German Association for construction chemicals)"



Application field

- Industrial (e.g. Manufacturing)
- Transportation (e.g. Airports)
- Retail (e.g. Shopping Malls)

Characteristics / Performance

- Very good mechanical and abrasion resistance
- Decorative / functional
- Low VOC-content
- Very good UV resistance

Approval / Standards

Particle emission certificate Sika®-CompactFloor CSM Statement of Qualification Report GMP A- No. SI 1008-533. (system tested with Sikafloor®-169 as a top coat)

Biological resistance certificate Sika®-CompactFloor CSM Statement of Qualification – ISO 846, very good - Report No. SI 1008-533. (system tested with Sikafloor®-169 as a top coat)

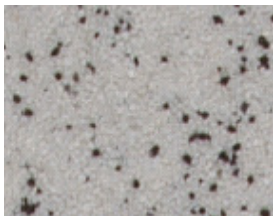
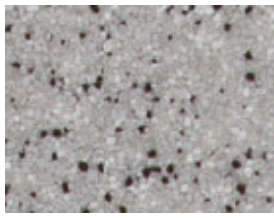
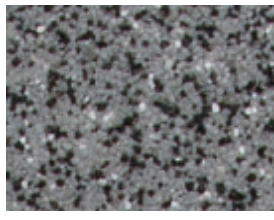
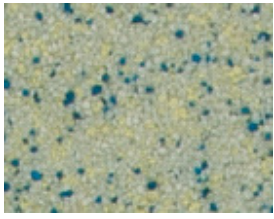
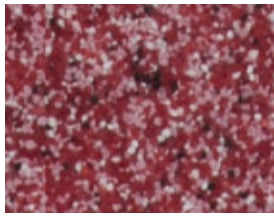
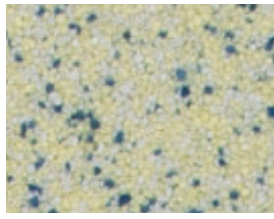
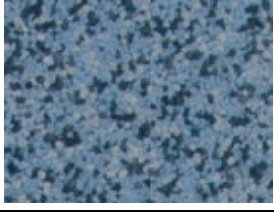
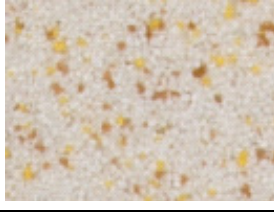
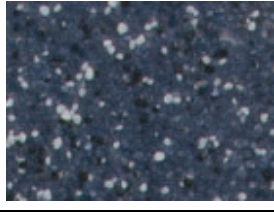
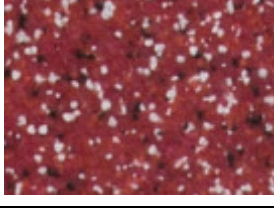

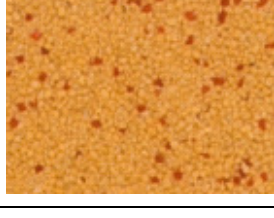

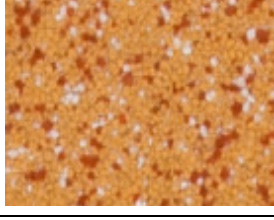
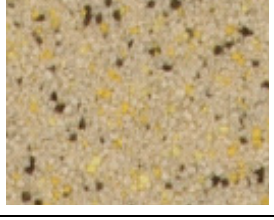
Fire classification of Sika®-CompactFloor in accordance with EN 13501-1, classification report-No. 2010-1878-K1, Exova Brandhaus, Germany, August 2010.

System Data



Form**Appearance / Colours**

Sika®-PU Quartz CF 0,3-1,2mm:

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

Other colour mixes available on request.

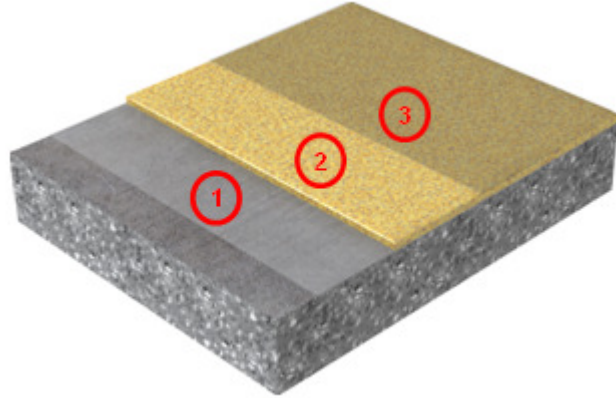
Under UV-exposure some discolouration (yellowing) will occur, however this has no influence on the function and performance of the coating.

Resistance**Chemical Resistance**

Resistant to many chemicals. Please ask for a detailed chemical resistance table.

System Information

Systems Structure



Sika®-CompactFloor System (~2-3 mm)

- ① Primer: 1-2 x Sikafloor® -156, 161 or 169 Slightly broadcast with Sika®-PU Quartz CF 0,3-1,2mm
- ② Wearing course: Slurry of 1 pbw Sikafloor® -169 + 1 pbw Sikafloor® - Compact Filler. Broadcast to saturation with Sika®-PU Quartz CF 0.3-1.2mm. Powerfloating. Sikafloor® - 169
- ③ Seal coat: Sikafloor® - 316 or Sikafloor® - 304 W or Sikafloor® -169

Application

The relevant informations about application and maintenance of a Sika® - CompactFloor System are available in the Product Data Sheets of the used Sikafloor products and in the Method Statement of the Sika®-CompactFloor System.

The Method Statement contains the fully detailed system description as well as all the instructions for the different application steps such as surface preparation, substrate and environmental (temperature, relative humidity) control, mixing and application of the system.

Consumption / Dosage

Coating System	Product	Consumption
<i>Sika®-CompactFloor System (~3 mm)</i>		
Primer	1-2 x Sikafloor® -156, 161 or 169	1-2 x ~0.3- 0.5 kg/m ²
	Slightly broadcast with Sika-PU Quartz CF 0,3-1,2mm	~1.0 kg/m ²
Wearing course	Slurry made of 1 pbw Sikafloor® -169 + 1 pbw Sikafloor® -Compact Filler	~1.5 – 1.7 kg/m ²
	Broadcast to saturation with Sika-PU Quartz CF 0,3-1,2mm	~3 – 3.5 kg/m ²
	Powerfloating Sikafloor® - 169 after removing the upstanding not fully embedded Sika-PU Quartz CF 0,3-1,2mm with a steel trowel and vacuuming of the surface	~0,25- 0.3 kg/m ²
Top coat	Sikafloor® - 316 +2% Antiskid Agent (gloss finish)*	~0.07-0,08 kg/m ²
	Sikafloor® - 304 W (Matt finish)*	~0.15 kg/m ²
	Sikafloor® - 169 (Glossy orange peel finish)	~0.15 kg/m ²
* Before applying Sikafloor® -304 W or Sikafloor® -316 please refer to the individual product data sheets		

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.

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.

The Sika logo consists of the word "Sika" in a bold, italicized, sans-serif font, colored red. It is positioned inside a red triangle that points downwards.

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