BUILDING TRUST

SYSTEM DATA SHEET

Sika Comfortfloor® Marble FX

Polyurethane elastic self-smoothing marble effect flooring system

PRODUCT DESCRIPTION

Sika Comfortfloor® Marble FX is a polyurethane, elastic, self-smoothing, UV resistant, marble effect flooring system and is part of the Sika Comfortfloor® decorative flooring range. The system provides a soft, comfortable, hard wearing, seamless, low maintenance, smooth matt surface finish. Varying thickness's can be achieved from 2.5–3.0 mm. Internal use.

USES

Sika Comfortfloor® Marble FX may only be used by experienced professionals.

- Healthcare – Medical sector
- Education - Schools and Universities
- Leisure & Culture - Museums and Libraries
- Retail, Commercial & Public Buildings
- Residential, showrooms, entrance halls, lobbies, open-plan offices

CHARACTERISTICS / ADVANTAGES

- Optional decorative effects possible
- Soft underfoot
- Comfortable
- Seamless
- Low maintenance
- Slip resistant
- Odourless
- Good resistance to fire
- Low VOC emissions
- Smooth matt finish
- Good mechanical and abrasion resistance
- Easy application
- Easy cleanability

ENVIRONMENTAL INFORMATION

- IBU Environmental Product Declaration (EPD) available - Sikafloor®-3000 FX, Sikafloor®-306 W
- VOC emission certificate according to AgBB und DIBt approval requirements, Certificate No. 392-2017-00147501_D_DE_02
- Class A+ according to French Regulation on VOC emissions

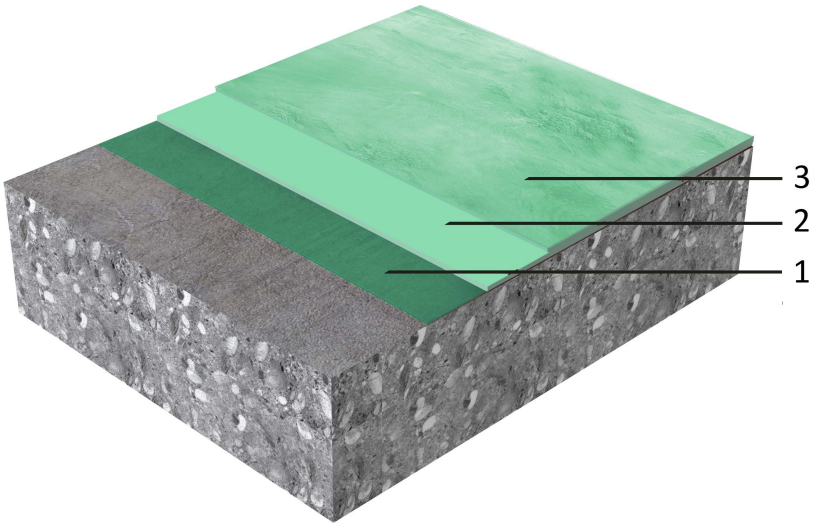
APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating - Sikafloor®-156, Sikafloor®-161
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings - Sikafloor®-156, Sikafloor®-161, Sikafloor® -3000 FX, Sikafloor®-306 W
- Resilient floor covering EN 425:2002, Sika Comfortfloor® Marble FX , TFI, Test report No. 470537-01
- Cleanroom Suitable Material ISO 846, Sika Comfortfloor® Decorative, Fraunhofer IPA, Test report No. SI 1008-533
- Fire Behaviour EN 9239-1, Sika Comfortfloor® PS-24, Universiteit Gent Belgium, Test report No. 14-529
- Impact Sound Reduction EN 140-8, Sika Comfortfloor® / Comfortfloor® Pro / Comfortfloor® Decorative / Comfortfloor® Decorative Pro, Gottfried & Rolof Institut Germany, Test report No. 102-B-08

SYSTEM INFORMATION

System Structure

Sika Comfortfloor® Marble FX



Layer	Product
1. Primer	Sikafloor®-150/-151
2. Wearing layer	Sikafloor®-3000 FX
3. Seal /top coat	Sikafloor®-306 W

Optional Seal / top coat: Sikafloor®-304 W. Refer to the Product Data Sheet, approvals and certification.

Composition	Polyurethane
Appearance	Smooth, matt finish
Colour	Refer to product datasheet for Sikafloor®-3000FX or Sikafloor® Colour Chart for standard colours.
Nominal thickness	~2.5–3.0 mm
Volatile organic compound (VOC) content	Refer to sustainability section

TECHNICAL INFORMATION

Shore A Hardness	~84 (14 days / +23 °C)	(DIN 53505)
Resistance to wearing	Wearing group P	(EN 660-2:1999)
Resistance to moving furniture	No damage	(EN 424:2002)
Castor chair resistance	No damage (25 000 cycles)	(EN 425:1994)
Resistance to Impact	Class I (~4 N/m)	(ISO 6272)
Indentation	0,02 mm	(EN 433:1994)
Tensile Strength	~8.0 N/mm² (14 days / +23 °C)	(DIN 53504)
Tensile adhesion strength	> 1.5 N/mm² (failure in concrete)	(EN 13892-8)
Tear Strength	~18 N/mm (14 days/+23 °C/Base coat)	(ISO 34-1)
Elongation at Break	~70 % (14 days / +23 °C)	(DIN 53504)
Reaction to Fire	Bfl-s1	(EN 13501-1)

Resistance to stubbed cigarettes	Class 4	(EN 1399)
Chemical Resistance	Sikafloor®-306 W provides the chemical resistance. Refer to Product Data Sheet.	
USGBC LEED Rating	Conforms Section EQ (Indoor Environmental Quality), Credit 4.2 Low-Emitting Materials Paints and Coatings. Calculated VOC content ≤ 50 g/l	
Sound Insulation	2 dB	(EN ISO 140-8)
Skid / Slip Resistance	R10/R11	(DIN 51130)

APPLICATION INFORMATION

Consumption

Layer	Product	Consumption
1. Primer	Sikafloor®-150/-151	~0.3–0.5 kg/m²/layer
2. Wearing layer	Sikafloor®-3000 FX	~2.8 kg/m² (~2 mm)
3. Seal / top coat	Sikafloor®-306 W	~0.13 kg/m²/layer

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

Product Temperature	+15 °C min. / +30 °C max.
Ambient Air Temperature	+15 °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	+15 °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).

Applied Product Ready for Use

Temperature	Foot traffic	Light traffic	Full cure
+15 °C	~30 hours	~48 hours	~6 days
+20 °C	~16 hours	~24 hours	~4 days
+30 °C	~12 hours	~18 hours	~3 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 Information Manual: Sikafloor®-Cleaning Regime

FURTHER DOCUMENTS

- Sika® Information Manual: Sikafloor®-Cleaning Regime
- Sika® Information Manual: Mixing & Applications of Flooring Systems
- Sika® Information Manual: Evaluation and Preparation of Surfaces for Flooring Systems
- Individual Product Data Sheets within the flooring system

LIMITATIONS

- Freshly applied Sikafloor® products must be protected from damp, condensation and water for at least 24 hours.
- Uncured material reacts in contact with water (foaming).
- During application care must be taken that no sweat falls onto fresh Sikafloor® products. Wear head and wrist bands.
- For exact colour matching, ensure the Sikafloor® product in each area is applied from the same control batch number.
- 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 CO_2 and H_2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- Do not apply on substrates with rising moisture.

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.

SIKA LIMITED
Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited

SIKA IRELAND LIMITED
Ballymun Industrial Estate
Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @SikaIreland