

SYSTEM DATA SHEET

Sika ComfortFloor® Aton FX

Polyurethane elastic self-smoothing flooring system with mineral look

DESCRIPTION

Sika ComfortFloor® Aton FX is a self-smoothing, elastic, UV-resistant polyurethane floor system with a mineral look and part of the decorative Sika Comfortfloor® System series. Sika ComfortFloor® Aton FX is specially designed for indoor applications and produces a seamless, smooth floor with a matte finish, high wear resistance and low maintenance costs. Layer thickness approx. 2.0 mm. It consists of the components Sikafloor-3000® FX and Sikafloor-3000® FX Additive.

- test report 20-0217-03, Universität Ghent
- Slip resistance in combination with Sikafloor®-306 W

USES

Sika ComfortFloor® Aton FX may only be used by experienced professionals.

- Healthcare Facilities
- Offices, schools, kindergarten
- Leisure and cultural facilities (e.B museums, libraries)
- Sales rooms, public facilities
- Showrooms, reception halls, open-plan offices, etc.

FEATURES

- Very low emissions
- Permanently elastic
- Good mechanical resistance
- High yellowing resistance
- Versatile design options due to special pigments
- Easy to apply
- Easy to clean
- Seamless

CERTIFICATES AND TEST REPORTS

- Castor chair test according EN 425:2002 in connection with Sikafloor®-3000, Sikafloor®-3000 FX and Sikafloor-306 W; TFI report 490411-01
- Eurofins AgBB-Testat, Sika ComfortFloor® Marble FX, test report 392-2017-00147501_D_DE_02
- Fire behavior classification according to EN 13501- 1,

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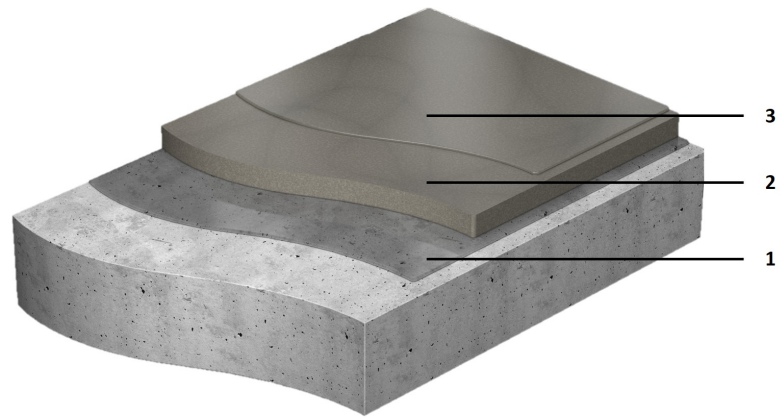
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SYSTEM INFORMATION

System structure

Sika ComfortFloor® Aton FX



Layer	Product
1. Primer	Sikafloor®-150/-151/-701
2. Wearing layer	Sikafloor®-3000 FX + Sikafloor®-3000 FX Additive
3. Top coat	Sikafloor®-306 W

Optional sealing: Sikafloor®-304 W. Corresponding product data sheet must be observed.

Composition	Polyurethan
Appearance	smooth with matte surface finish
Colour	Steely Glimpse, Medium Grey, Brown Beige, Deep Iron, Rocky Road, Dust Grey
Nominal thickness	ca. 2,0 mm

TECHNICAL INFORMATION

Shore A hardness	ca. 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 Zyklen)	(EN 425:1994)
Resistance to impact	Class I (ca. 4 N/m)	(ISO 6272)
Indentation	0,02 mm	(EN 433:1994)
Tensile strength	ca. 8,0 N/mm ² (14 days / +23 °C)	(DIN 53504)
Tensile adhesion strength	> 1,5 N/mm ² (failure in concrete)	(EN 13892-8)
Tear strength	ca. 18 N/mm (14 days / +23°C / primer)	(ISO 34-1)
Tensile strain at strength	ca. 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	See chemical resistance of the sealant used.	

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BUILDING TRUST



USGBC LEED Rating

Conforms to section EQ (Indoor Environmental Quality), section 4.2 Low emitting materials Paints and coatings. Calculated VOC content ≤ 50 g/liter.

Sound insulation

2 dB

APPLICATION INFORMATION**Consumption**

Layer	Product	Consumption
1. Primer	Sikafloor®-156/-161/-701	ca. 0,3-0,5 kg/m ²
2. Wearing layer	Sikafloor®-3000 FX + Sikafloor®-3000 FX Additive ¹⁾	ca. 2,8 kg/m ²
3. Top coat	Sikafloor®-306 W	ca. 0,130 kg/m ²

¹⁾ The mixing ratio of Sikafloor®-3000 FX and Sikafloor®-3000 FX Additive = 50:1

These are theoretical values and do not include allowances for surface porosity, surface roughness, level differences and residual material in the container, etc.

Material temperature

See corresponding product data sheet.

Ambient air temperature

See corresponding product data sheet.

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.

This coding makes it possible to obtain further information on the service pages of the BG Bau (www.bg-bau.de/gisbau), as well as assistance in creating operating instructions (www.wingis-online.de/wingison-line/).

FURTHER INFORMATION

- Freshly applied Sikafloor®-3000 FX must be protected from steam, condensation and water for at least 24 hours.
- During application, ensure that no drops of perspiration fall onto the fresh Sikafloor®-3000 FX.
- To avoid color differences, use only A + B components of the same batch number.
- In case of simultaneous exposure to high temperature and high point load, indentations may occur.
- If heating is required, the use of electric heaters is recommended. Combustion heaters lead to the development of water vapor and carbon dioxide which can affect the coating

Skin contact with polyurethanes can lead to allergies!

When handling polyurethanes, direct skin contact must be avoided at all costs! For the selection of suitable protective equipment, our information data sheets "General notes on occupational safety" (reference number 7510) and "General notes on the wearing of protective gloves" (reference number 7511) are available at www.sika.de

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS**SUBSTRATE QUALITY**

The substrate must be dry, clean, free of grease and oil, cement skin or loose parts must be removed. The compressive strength must be at least 25 N/mm², the adhesive tensile strength at least 1.5 N/mm². In case of doubt, a sample surface must be prepared.

CE MARKING

See declaration of performance

SUBSTRATE PREPARATION

The substrate must be prepared mechanically, e.g. by shot peening. The cement skin must be completely removed. A textured, open surface must be achieved. Insufficiently load-bearing layers and dirt must be removed. Pores and other surface defects must be exposed.

HAZARD INFORMATION

GISCODE: PU 40

Substrate repairs such as filling pores or reprofiling can be made with appropriate Sikafloor®, Sikadur®

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and Sikagard® products.

The substrate must be smooth and even. Uneven surfaces influence the layer thickness. Elevations must be removed by sanding.

Dust, loose and poorly adhering parts must be removed completely, preferably with an industrial vacuum cleaner.

MIXING

Mix comp. A briefly. Then add Comp. B to Comp. A and mix for 2 minutes until a homogeneous mass is obtained. Repot and mix again briefly. Avoid introduction of air by mixing too long.

Before application, add Sikafloor®-3000 FX additive and stir in with the agitator running until the additive is evenly distributed.

As mixing tools, single and double-arm basket stirrers (300 - 400 rpm) are recommended.

APPLICATION

Before application, the relative humidity and the dew point must be determined. Sikafloor®-3000 FX is poured out and evenly distributed with a toothed squeegee. A suitable tool (e.g. Magic Trowel) is used to create the structure in the coating. As soon as Sikafloor®-3000 FX is tack-free, apply the sealer.

For a kneeling application, use a layer thickness trowel (2 mm; Polyplan).

For processing the primer and sealer, please refer to the corresponding product data sheet.

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.

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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