

Sika Comfortfloor® Tough

Highly decorative smooth, indoor flooring system

System Description

Sika Comfortfloor® Tough is a hard-wearing tough elastic polyurethane self-smoothing polyurethane flooring system. The **Sika Comfortfloor® Tough** is part of the Sika Comfortfloor® system range and especially designed for high trafficked decorative areas.

The system is composed of a tough-elastic, static crack bridging polyurethane which fulfils the stringent demands for low VOC emitting products, like the German AgBB and fulfils French labelling.



Application field

- Healthcare – Medical sector
- Education (e.g. Schools and Universities)
- Leisure & Culture (e.g. Museums, Stadiums, Library)
- Retail (e.g. Shopping Malls)

Characteristics / Performance

- Highly decorative
- Low VOC-content
- Very good UV resistance
- Silky Matt finish possible
- Good mechanical and abrasion resistance
- Easy application
- Easy to maintain

Approval / Standards

Internal Emission testing of Sika Comfortfloor® Tough tested according to the AgBB-scheme. (AgBB – Committee for Health-related Evaluation of Building Products). Sampling, testing and evaluation were performed according to ISO-16000.

Reaction to Fire classification according to EN 13501-1. Test institute Ghent University, Belgium. Report No. CR-13-167/1 for the Sika Comfortfloor® Tough

Construction



System Data

Form

Appearance / Colours Mandatory to be sealed with pigmented topcoat Sikafloor® - 305W.
Wear layer Sikafloor®-327 advised to be in topcoat supporting colour.

Technical Properties

Fire classification	Bfl s1 Tested in a build-up with SR-305W	(EN 13501-1)
Impact resistance	CLASS I	(ISO 6272)
Chemical Resistance	Sikafloor®-327 has to be sealed with a pigmented topcoat. Therefore, refer to chemical resistance chart of Sikafloor®-305 W or Sikafloor®-304 W which can be used as extra protective layer. For detailed information contact our Technical Service	

System Information

Systems Structure



Sika Comfortfloor® Tough (~ 2 mm)

1. **Primer:** 1-2 x Sikafloor® - 144/-156/-161
2. **Wearing course:** 1 x Sikafloor®-327
3. **Top coat:** 1-2 x Sikafloor®-305 W (Silky Matt finish)



Sika Comfortfloor® Tough (~ 2 mm) – **Decorative solution**

1. **Primer:** 1-2 x Sikafloor® - 144/-156/-161
2. **Wearing course:** 1 x Sikafloor®-327
3. **Top coat:** 1-2 x Sikafloor®-305 W (Silky Matt finish) optional with Flakes
4. **Sealcoat:** 2 x Sikafloor®-304W (Silky Matt finish)

Application

Consumption / Dosage

Sika Comfortfloor® Tough

Coating System	Product	Consumption
Primer	1-2 x Sikafloor®-156 / -161	1-2 x ~ 0.3 - 0.5 kg/m ²
Levelling (if required)	Sikafloor®-161 levelling mortar	Refer to PDS of Sikafloor®-161
Self-smoothing wearing course – 2 mm	Sikafloor®-327 filled up to 30% ppw of F34 quartzsand	3.2 kg/m ² total 2.46 kg/m ² SR327 + 0.74 kg/m ² F34 0.1-0.3 quartz sand
Seal coat	Sikafloor®-305 W	1-2 x ~0.135 kg/m ² per layer

Sika Comfortfloor® Tough – *decorative solution*

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Primer	1-2 x Sikafloor®-156 / -161	1-2 x ~ 0.3 - 0.5 kg/m ²
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Seal coat	Sikafloor®-305 W	1-2 x ~0.135 kg/m ² per layer
Decorative flakes	PVA flakes	
Transparent coating	Sikafloor®-304W	2 x ~0.135 kg/m ² per 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.

Application

Refer to the Method Statement Mixing and Application of flooring 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.

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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