

Product Data Sheet

Sikafloor®-261 Self-Levelling Floor Topping



Description Solvent free, 3-component, pigmented, self levelling flooring compound on epoxy resin base

Uses As 1.6 - 2.5 mm thick self-levelling floor topping for industrial floors subjected to medium wear:

- Food stuff industries
- Watch industry and precision mechanics
- Chemical- and pharmaceutical industries
- Electrical power plants
- Laboratories and rooms subjected to radiation, clean-rooms
- Sales- and show-rooms
- Demonstration and training rooms

On mineral-based substrates such as:

- Concrete
 - Mortar
 - EpoCem
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Advantages

- Easy and fast application
- Solvent- free according to KEL-CH
- Seamless
- Excellent adhesion to substrate
- Waterproof
- Good chemical- and mechanical resistance
- Easy to clean

Build-up

1. *Primer*
Sikafloor-156 (comp. A + B)
Consumption: 0.3-0.6 kg/m² depending on substrate conditions

2. *Self Levelling Floor Topping, glossy finish*
Sikafloor-261 (comp. A + B + C)
Consumption approx. 3.5 kg/m² for 2mm layer thickness

Test Reports EMPA, St. Gallen, Switzerland: Fire hazard class = 5.2, Report No. 129919
Polymer Institut Dr. R. Stenner, D-Flörsheim, physiological safety certificate, Report No. P 1404-5a

Technical Data

Colour Pebble grey, approx. RAL 7032, other color shades on request

Mixing ratio

	<i>Comp. A</i>	<i>Comp. B</i>	<i>Comp. C</i>
Parts by weight	10	3	13

Degree of filling
(by weight) Filling with Sikadur-504 (component C) quarz sand (0.08-0.2 mm)

	10 - 15°C	15 - 25°C	25 - 30°C
A : B : C	10 : 3 : 11	10 : 3 : 13	10 : 3 : 15

Physical values
(20°C)

	Density	Viscosity (mPa·s)
Comp. A:	~ 1.52 kg/l	~ 6'500
Comp. B:	~ 1.01 kg/l	~ 50
Comp. A + B:	~ 1.36 kg/l	
Comp. A + B + C:	~ 1.76 kg/l (filled 1:1)	

Potlife

Temperature	+10°C	+20°C	+30°C
Time	~ 60 min	~ 30 min.	~ 15 min.

Waiting time between coats

Temperature	+ 10°C	+ 20°C	+ 30°C
Sikafloor-261 on -156 min.	30 hrs	24 hrs	~ 12 hrs
Sikafloor-261 on -156 max.	3 days	2 days	1 day

Through hardening

Temperature	+ 10°C	+ 20°C	+ 30°C
Can be walked on after	2 days	1 day	1 day
Light load after	4 days	2 days	2 day
Fully cured after	14 days	7 days	5 days

Mechanical values

Shore D hardness	DIN 53 505	7 days/ 23°C	76
Compressive strength	EN 196-1	21 days/ 23°C	60 N/mm ²
Abrasion resistance (taber)	DIN 53 109	7 days/ 23°C	60 mg

Storage/Shelf life Stored in dry conditions at +5°C to 30°C in unopened original container shelf life is at least 12 months from date of production.

Packaging

Pre-proportioned units at 20 kg (A+B)
Comp. A in 200 kg drums
Comp. B in 180 and 60 kg drums
Comp. C (Sikadur 504, 0.08 - 0.2 mm) 25 kg bags (40 per pallet)

Application

Substrate preparation	Structurally sound, dry (less than 4 % humidity), clean, free from oil, grease, loose particles, laitance. Compressive strength at least 25 N/mm ² , tensile adhesive strength at least 1.5 N/mm ² . Rough or uneven areas must first be levelled/smoothed with Sikagard-720 EpoCem, or hedrahedrally levelled with Sikafloor-81/ -82 EpoCem New..
Mixing	First , stir Comp. A thoroughly with electric stirrer, then, add comp. B in correct proportion and mix intensively at low rpm until mix is homogeneous. Then carefully add Component C (Sikadur-504) and mix for at least 3 minutes at 300-400 rpm. Pour (decant) mixture into clean vessel and stir again quickly.
Method of application	Pour Sikafloor-261 onto the floor and distribute evenly using rubber or steel tooth trowel with 6-7 mm teeth. Evenly distributed material must be immediately overworked with spiked roller to level and detrain entrapped air. Border-areas to be applied with a tooth trowel (4-5 mm teeth).
Cleaning	Clean application equipment immediately with Colma Cleaner. Hardened material may only be removed mechanically. Hands and skin to be washed thoroughly with warm soap water
Limitations	<ul style="list-style-type: none"> - Sikafloor-261 may be applied to floors with a max. slope of 1,5 % - Min. substrate temperature + 10°C - Max. substrate temperature + 30°C - Max. relative humidity 85 % - <i>Observe dew-point</i> - Substrate moisture content less than 4 % or use Sikafloor EpoCem. - Only apply to tack-free Sikafloor-156 Primer - Waiting time between Sikafloor-156 Primer and Sikafloor-261 max. 3 days - Component A must be mechanically stirred well before being proportioned and mixed.

Safety Instructions

Safety precautions	<p>Product may cause skin irritation. Wear gloves and goggles and apply barrier cream to hands. In contact with eyes or mucous membrane, flush immediately with plenty of clean, warm water and seek medical attention without delay.</p> <p>When used indoors or in confined spaces, please provide for good ventilation during application and curing.</p>
Ecology	In liquid state Sikafloor-261 contaminates water and may therefore not be disposed of into sewage, waters or soil, but strictly in accordance with local regulations.
Toxicity	<p>Comp. A.: Class 4 under the relevant Swiss Health and Safety Codes.</p> <p>Comp. B.: Class 4 under the relevant Swiss Health and Safety Codes.</p>
Transport	<p>Comp. A.: Non-hazardous.</p> <p>Comp. B.: 8/66 c)</p>

In case of doubt, always follow the directions given on the pack or label.

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.



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