

Construction



# Solutions with Sikafloor® Systems Technology and Concepts



# Solutions with Sikafloor® Systems

Various Surface Design Options

## Surface Preparation

■ Surface inspection, preparation, priming. The cementitious substrate should be sound and of sufficient strength. (min. 25 N/mm<sup>2</sup>). All dust, loose and friable materials must be completely removed. Minimum pull off strength 1.5 N/mm<sup>2</sup>

■ Repair of damaged floors (System Data Sheet «Sikafloor Industrial Flooring»)

## Climatic Conditions

■ Minimum + 10 °C (but min. + 3 °C above dew point), maximum + 30 °C.  
Relative humidity according to relevant Product Data Sheet (sufficient ventilation)

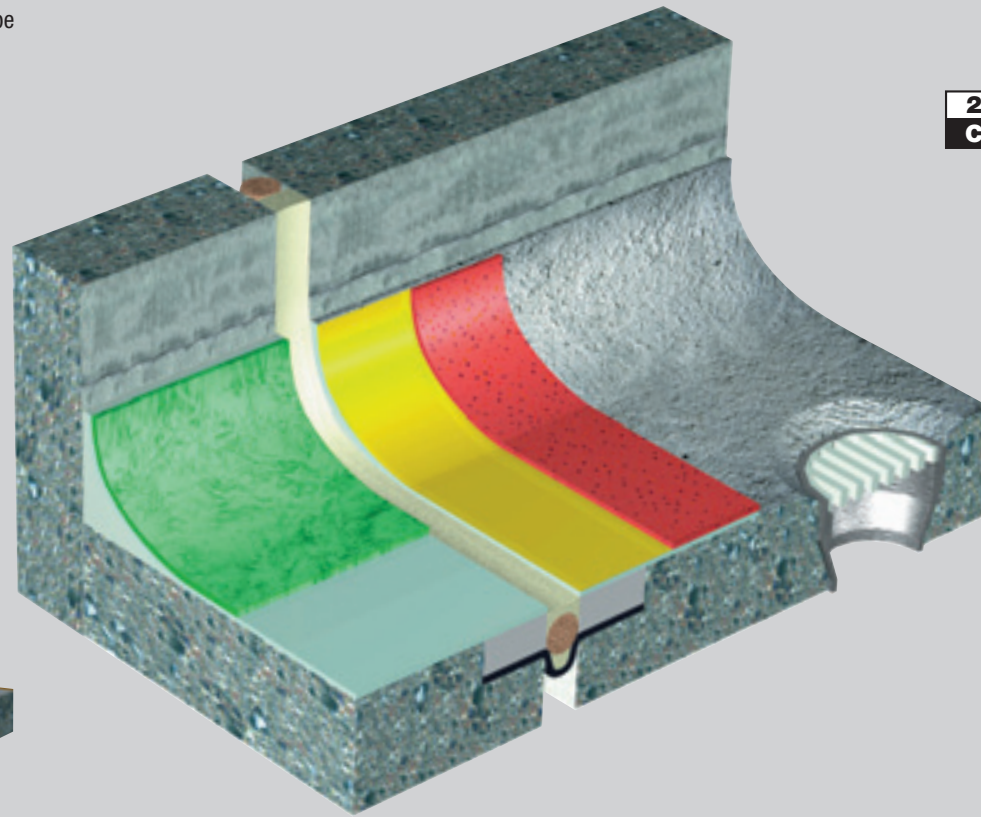
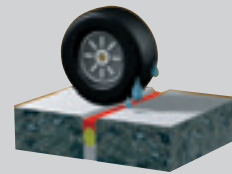
## Substrate Humidity

- Generally for impervious systems ≤ 4 %
- Vapour permeable Sikafloor systems ≤ 6 %
- On young concrete slabs, cementitious screeds or damp substrates (> 4% moisture) use **Sikafloor® EpoCem®**

## Floor Joints

System Data Sheet  
«Sealing Floor Joints with Elastic Sealants»

- Pedestrian traffic
  - Vehicle traffic
  - Mechanical exposure
  - Chemical exposure
- using **Sikaflex® PRO-3WF**



## Project Related Needs and the Function of Floorings

The product consists of one component only. It has to be thoroughly mixed prior to the application!

The product consists of two reactive components (resin and hardener). After stirring the single components, both have to be mixed in the right mixing ratio prior to the application. The mixer used should always be electric, low speed. In case of adding an additional powder component, use a basket paddle for homogenising the mix.

Adding water in the right portions helps to optimise the workability.

Chemical Resistance according to Technical Data Sheet.

The Mechanical Resistance is defined by type ( transport load, type of tyres, contact area) and frequency of the exposure.

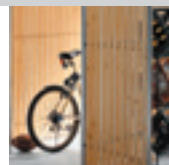
Slip Resistance is always a question of surface design. The specific environment defines the limits.

Hygiene and decontamination have priority where clean room conditions have to be fulfilled.

Crack-bridging ability means, the coating system has enough elasticity to prevent cracking.

UV-Resistance and Resistance to Yellowing have to be fulfilled by all systems for outside use.

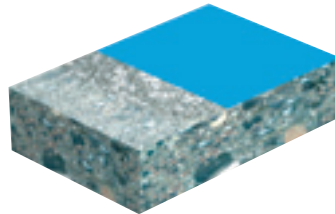
Easy Cleaning means, dirt could be removed by normal dry or wet cleaning methods.



### Basement and Storage



Layer Thickness: 0.15 – 0.25 mm  
Certified resistance to heating oil



#### Sika System

Primer: 1 x **Sikafloor® Multicryl**  
+ 30 % water  
Top coat: 2 x **Sikafloor® Multicryl**,  
a 1-component, water based, coloured  
acrylic sealer

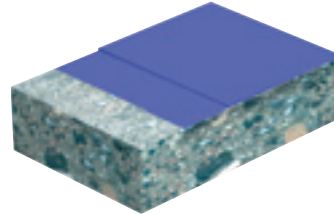
#### Application Method



### Garages



Layer Thickness: 0.2 – 0.3 mm  
Light to medium mechanical resistance



#### Sika System

Primer: 1 x **Sikafloor®-2530 W N**  
+ 5 % water  
Top coat: 1–2 x **Sikafloor®-2530 W N**,  
a 2-component, water based, coloured  
epoxy resin coating

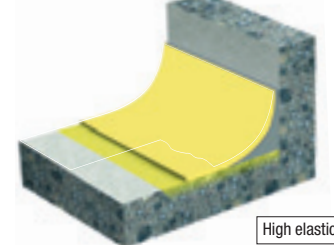
#### Application Method



### Balconies



Layer Thickness: 0.7 – 1.2 mm



#### Sika System

Primer: 1 x **Sikafloor®-156**  
Coating: 1 x **Sikafloor®-400 N Elastic**,  
a 1-component, low solvent  
containing, coloured, high elastic,  
moisture-curing polyurethane coating

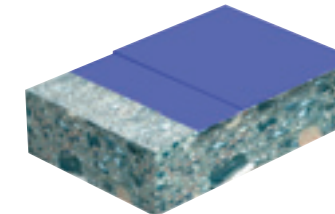
#### Application Method



### Industrial Flooring



Layer Thickness: 0.6 – 0.8 mm  
Medium resistance



#### Sika System

Primer: 1 x **Sikafloor®-261**  
Coating: 1 x **Sikafloor®-261**,  
a 2-component, solvent-free, coloured,  
epoxy resin binder for high build coatings,  
self smoothing screeds, broadcast  
floors and mortar screeds

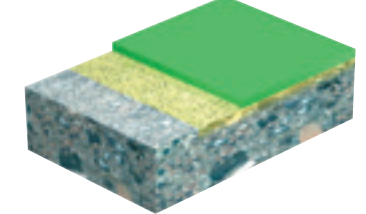
#### Application Method



### Industrial Flooring



Layer Thickness: 1.0 – 3.0 mm  
Medium to high resistance



#### Sika System

Primer: 1 x **Sikafloor®-156**  
Coating: 1 x **Sikafloor®-261**,  
a 2-component, solvent-free, coloured,  
epoxy resin binder for high build coatings,  
self smoothing screeds, broadcast  
floors and mortar screeds

#### Application Method



# Solutions with Sikafloor® Systems

Sikafloor System	Pack Size	for m <sup>2</sup>	Surface Design Option
<b>Sikafloor® Multicryl</b> 0.15 – 0.25 mm	3 l	6 – 9	2
	10 l	20 – 30	
<b>Sikafloor®-2530 W N</b> 0.2 – 0.3 mm	6 kg	8 – 14	2 4 5 on <b>Sikafloor®-156</b> broadcasted with quartz sand using <b>Sikafloor®-2530 W N</b> + Extender T
	18 kg	24 – 42	
<b>Sikafloor®-400 N Elastic</b> 0.7 – 1.2 mm	6 kg	4 – 5	3
	18 kg	12 – 15	
<b>Sikafloor®-410 Elastic</b> Top coat, transparent, silk matt, elastic	3 l	27	6 using coloured chips and <b>Sikafloor®-410 Elastic</b>
	10 l	80	
<b>Sikafloor®-261</b> Top coat/High build coating 0.6 – 0.8 mm	10 kg	9 – 14	2 4 5 on <b>Sikafloor®-156</b> broadcasted with quartz sand using <b>Sikafloor®-261</b> + Extender T
	20 kg	18 – 28	
<b>Sikafloor®-261</b> Self smoothing/Broadcast screed 1.0 – 3.0 mm	10 kg	3 – 6	2 4 on <b>Sikafloor®-261</b> broadcasted with quartz sand
	20 kg	6 – 12	
<b>Sikafloor®-356 N</b> Sealer, transparent, matt, rigid	10 kg	80	6 using coloured chips and <b>Sikafloor®-356 N</b>
<b>Sikafloor®-156</b> Primer	2.5 kg	5 – 6	
	10.0 kg	20 – 24	
	20.0 kg	40 – 48	
<b>Sikafloor® Extender T</b>	1 kg		
To adjust the viscosity and allow for surface texture			

For additional information see Product Data Sheet.

## Reference Literature



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.

Your Local Sika Company

**Sika AG**  
 Corporate Construction  
 CH-8048 Zürich  
 Switzerland  
 Tel. +41 1 436 40 40  
 Fax +41 1 436 46 86  
 E-Mail corpmark@ch.sika.com  
 www.sika.com

