

## PRODUCT DATA SHEET

# Sikafloor®-01 Primer

Water-based flooring primer for levelling compounds and tile adhesives

### DESCRIPTION

Sikafloor®-01 Primer is a 1-part, water-based, synthetic resin concentrate which is diluted with water and used to prime cementitious, wood and mastic asphalt floor substrates.

It is applied before using cementitious levelling compounds and tile adhesives to mainly reduce absorbency and improve adhesion onto the substrate. Internal use.

### USES

As a primer for:

- Reducing absorbency of substrate
- Improving adhesion on smooth and sound substrates
- Protecting the substrate against moisture from cementitious levelling compounds or tile adhesives

### PRODUCT INFORMATION

<b>Chemical Base</b>	Synthetic dispersion
<b>Packaging</b>	1 kg, 10 kg and 5 kg containers Refer to current price list for packaging variations
<b>Appearance / Colour</b>	Blue liquid
<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging. Material that has been mixed with water must be used within a week.
<b>Density</b>	~1,0 kg/l

### CHARACTERISTICS / ADVANTAGES

- Low consumption / high coverage
- Suitable for use with underfloor heating
- Short waiting times
- Reduces substrate dust
- Compatible with defined substrates
- Very low emissions
- Applied by brush, roller or spray
- Can be diluted with water
- Ready for use
- Solvent-free according to TRGS 610

### ENVIRONMENTAL INFORMATION

- IBU Environmental Product Declaration (EPD)
- VOC emission classification GEV-Emicode EC1<sup>PLUS</sup>, license number 6158/24.02.97

## APPLICATION INFORMATION

<b>Substrates</b>	Substrate compatibility: <ul style="list-style-type: none"> <li>▪ Concrete</li> <li>▪ Cementitious screeds</li> <li>▪ Calcium sulphate (Anhydrite) screeds</li> <li>▪ Substrates with existing water-resistant adhesive residue</li> <li>▪ Wood: OSB and chipboard</li> <li>▪ Ceramic tiles</li> <li>▪ Mastic asphalt screeds IC 10 and IC 15 according to EN 13 813</li> <li>▪ Other substrate types contact Sika Technical Services</li> </ul>	
<b>Mixing Ratio</b>	<b>Substrate</b>	<b>Dilution. Sikafloor®-01 Primer : Water</b>
	Cementitious screeds or concrete	1 kg : 3 L water
	Calcium sulphate (Anhydrite) screeds	1 kg : 1 L water
	Ceramic tiles, old water-resistant adhesive residue, chipboard or OSB, mastic asphalt screeds	Apply undiluted
<b>Consumption</b>	~70 g/m <sup>2</sup> This figure is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.	
<b>Ambient Air Temperature</b>	+5 °C min. / +30 °C max.	
<b>Substrate Temperature</b>	+5 °C min. / +30 °C max.	
<b>Waiting Time / Overcoating</b>	Levelling compounds and tile adhesives on Sikafloor®-01 Primer	
	<b>Substrate</b>	<b>Minimum</b>
	Cementitious screeds or concrete	~10 minutes
	Calcium sulphate (Anhydrite) screeds *	~10 minutes
	Calcium sulphate (Anhydrite) screeds **	~24 hours
	Chipboard or OSB	~2 hours
	Ceramic tiles, old water-resistant adhesive residue, mastic asphalt screeds	~12 hours
	*Calcium sulphate based levelling compounds are used. **Cement based levelling compounds are used. Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. Reference must be made to the individual Product Data Sheets of the levelling compounds and tile adhesives.	

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

#### General

The substrate must be sound, structurally stable, clean, dry and free of all contaminants such as dirt, oil, grease, cement laitance, wax, varnish, old adhesive residue, paint coatings and sinter, slurry or powder layers which could affect adhesion.

All dust, loose and friable material must be completely removed from all substrate types before the application of Sikafloor®-01 Primer, preferably by vacuum extraction equipment.

#### Concrete / cementitious screeds

Substrates must be prepared mechanically using suitable abrasive blast cleaning, planing / scarifying, grinding or other suitable equipment. Fill any voids or cavities with appropriate Sika® compatible flooring repair products.

#### Calcium sulphate (Anhydrite) screeds

Substrate must be ground flat to provide a smooth surface. Fill any voids or cavities with appropriate Sika® compatible flooring repair or levelling products.

#### Wood

Wood floor substrates of chipboard or OSB must be securely fixed to the substructure. Remove any surface irregularities using appropriate sanding / planing equipment.

#### Ceramic tiles

All tiles must be stable, firmly and securely bonded. Replace any that are loose. Grind or abrade surfaces to remove glaze.

#### **Magnesite Screeds**

Substrates must be primed with Sikafloor®-02 Primer. Refer to Product Data Sheet.

#### **Other substrate types**

Contact Sika Technical Services.

### **MIXING**

Shake or stir container before use. If water dilution is required, after mixing product, pour into a clean container and mix in the appropriate amount of water.

### **APPLICATION**

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Apply primer onto the prepared substrate by roller, paintbrush, brush or suitable spraying equipment (mixing ratio at least 1:1). Ensure a continuous, pore free coat covers the substrate. On very absorbent substrates a second application maybe necessary. Avoid puddles of primer.

Confirm waiting /overcoating time has been achieved before applying subsequent products.

### **CLEANING OF TOOLS**

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically

### **LIMITATIONS**

- Do not apply on substrates with rising moisture.
- Refer to important considerations section of Product Data Sheet for Sika® levelling compounds or tile adhesives that will be used with Sikafloor®-01 Primer.

### **BASIS OF PRODUCT DATA**

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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#### **Product Data Sheet**

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