

## 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.

## USES

As a primer for:

- Applied in combination with suitable materials from SikaLevel®, Sika Floor Topping Compound
- Reducing absorbency of substrate
- Enhances bond strength between the substrate and subsequent Sika® materials
- Designed for commercial, residential & industrial installations

## PRODUCT INFORMATION

<b>Chemical base</b>	Synthetic dispersion
<b>Packaging</b>	Pail 25 litres
<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>Appearance / Colour</b>	Blue liquid
<b>Density</b>	~1,0 kg/l

## CHARACTERISTICS / ADVANTAGES

- Low consumption / high coverage
- Short waiting times
- Solvent-free
- Great penetration into porous concrete surfaces
- Reduces substrate dust
- Can be applied neat over timber/wood, CFC & Scyon
- Very low emissions
- Applied by brush, roller or spray
- Can be diluted with water

## SUSTAINABILITY

- LEED Certification

## SYSTEM INFORMATION

System Structure	<b>Porous concrete</b>	<b>Timber/wood/CFC/Scyon</b>
	Sikafloor®-01 Primer (diluted)	Sikafloor®-01 Primer (neat)
	Subsequent suitable materials	Subsequent suitable materials

## APPLICATION INFORMATION

Mixing ratio	Substrate	Dilution / Application
	Normal steel trowel concrete (pourous)	1L Sikafloor®-01 Primer : 2L water x 1 coat (broom or roller applied)
	Mechanically prepared concrete (very porous)	1L Sikafloor®-01 Primer : 2L water x 1 coat (broom applied)
	Cement levelling compound/screed (very porous)	1L Sikafloor®-01 Primer : 2L water x 2 coats (broom applied)
	Timber/wood/CFC/Scyon	No dilution, apply neat x 1 coat (roller applied)

Consumption	Mixing ratio 1L : 2 L ~ 7-8 m <sup>2</sup> per mixed L Actual consumption depends on absorbency of the substrate, application tools and mixing ratio.
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Ambient Air Temperature	+5 °C min. / +30 °C max.
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Substrate Temperature	+5 °C min. / +30 °C max.
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Substrates	Substrate compatibility: <ul style="list-style-type: none"> <li>▪ Internal/external concrete</li> <li>▪ Internal cement levelling compound/screed</li> <li>▪ Internal calcium sulphate based levelling compound</li> <li>▪ Internal timber &amp; chipboard floors in raw form (no coatings)</li> </ul>
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Waiting Time / Overcoating	Substrate	Waiting time
	Levelling compounds and tile adhesives on Sikafloor®-01 Primer	
	Normal absorbent substrates concrete	~10 - 20 min @ 23°C per coat
	Calcium sulphate based substrates, if calcium sulphate based levelling compounds are used	~10 - 20 min @ 23°C per coat
	Calcium sulphate based substrates, if cement based levelling compounds are used	~24 hours @ 23°C per coat
	Timber and chipboard floors	~2 hours @ 23°C per coat
	Cement levelling substrates, if cement based levelling compounds are used	~1 hours @ 23°C per coat

See above Mixing ratio for dilution and coat recommendations.  
All values are approximate and subject to variation due to climatic conditions. Please refer also to the Product Data Sheets of the cementitious levelling compounds and tile adhesives.

## 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.

## IMPORTANT CONSIDERATION

- 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.
- Do not mix or apply Sikafloor®-01 Primer in temperatures below 10°C and above 35°C.
- Sikafloor®-01 Primer is not recommended as a trafficable seal coat over cement based materials.

## 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 / PRE-TREATMENT

Concrete should be fully cured, structurally sound with a minimum pull of strength of 1.5 MPa, clean, dry and free of surface contaminants and dust for eg. concrete must be porous and accept water penetration. Test by lightly sprinkling water on various areas of the substrate. If water penetrates, then a good bond with Sikafloor®-01 Primer can be achieved. If water beads and fails to be absorbed by the concrete surface contaminants are present then loss of adhesion may occur.

Contaminants that are present should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydro-static pressure.

Timber surfaces must be clean and freshly sanded to remove any previous coatings.

Contact your local Sika office for current system information or further consultant.

### 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

#### Apply diluted

Apply Sikafloor®-01 Primer by way of a soft bristle broom, or long napped roller 10-15mm. Correct amount of mixed primer should always be applied to the prepared substrate, giving good penetration and film build. Thin applications may result in pinholing in finished surface or debonding levelling compound from the substrate.

On particularly porous surfaces where the initial prime coat is absorbed immediately, or mechanically prepared surfaces a second coat is recommended. Avoid foam during application by adding more liquid.

#### Apply neat

Sikafloor®-01 Primer over raw timber/chipboard, CFC & scyon with a long napped roller 10 – 15mm.

Note: For best practice it is recommended subsequent construction materials are applied as soon as primer is dry, but no later than 24 hours.

- Do not allow primer to pool while drying as this will cause a soft spot under the cement compound.
- Do not allow dust to settle on the surface.
- If dust has contaminated the surface, first vacuum clean and apply another coat of primer before subsequent materials are installed.

### CLEANING OF TOOLS

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

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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.

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#### Product Data Sheet

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