

PRODUCT DATA SHEET

Sikafloor®-01 Primer

SYNTHETIC RESIN PRIMER, APPLIED PRIOR TO FLOORING & TILING SYSTEMS

DESCRIPTION

Concentrated resin primer designed to be applied prior to cement & gypsum type products.

USES

Applied in combination with suitable materials from Sikafloor®, SikaBond®, Sikadur®, SikaTite® & Sikalastic® ranges.

Sikafloor®-01 Primer;

- Is suitable for pre-treating surfaces following the recommended preparation & dilution rates
- Enhances bond strength between the substrate and subsequent Sika® materials
- Can be used on internal or external applications
- Is designed for commercial, residential & industrial installations

CHARACTERISTICS / ADVANTAGES

- EMICODE EC 1^{PLUS} certified (Very Low VOC)
- BLUE ANGEL certified (Eco friendly)
- Solvent-free
- Seals porous concrete
- Low consumption - high coverage
- Non-combustible
- Great penetration into porous concrete surfaces
- Can be applied neat over timber/wood, CFC & Scyon
- Suitable for application on subfloor heating systems
- Eliminates dust
- Versatile water dilution

ENVIRONMENTAL INFORMATION

- Green Star VOC-SCQMD Rule 1168
- EPD according to ISO 14025 and EN 15804
- Solvent-free according to TRGS 610

PRODUCT INFORMATION

Chemical Base	Synthetic resin
Packaging	1L & 5L plastic bottles
Shelf Life	12 months from date of production (in closed packaging)
Storage Conditions	Approximately twelve (12) months from date of manufacture when stored in its unopened original container. Store in a cool, dry place. Do not store below +5 °C. Material that has been mixed with water should be used within a week.
Appearance / Colour	Blue
Density	1L = 1kg

SYSTEM INFORMATION

System Structure	Porous Concrete	Timber/wood/CFC/scyon
	Sikafloor®-01 Primer (diluted)	Sikafloor®-01 Primer (neat)
	Subsequent suitable materials	Sikafloor®-4020 FiberLevel
		Subsequent suitable materials

APPLICATION INFORMATION

Mixing Ratio	Substrate	Dilution & application
	Normal steel trowel concrete finish (porous)	1L Sikafloor®-01 Primer : 3L water x 1 coat (broom or roller applied)
	Mechanically prepared concrete (very porous)	1L Sikafloor®-01 Primer : 3L water x 2 coats (broom applied)
	Cement levelling compound/screed (very porous)	1L Sikafloor®-01 Primer : 3L water x 2 coats (broom applied)
	Timber/wood/CFC/scyon	No dilution, apply neat x 1 coat (roller applied)

Consumption	1:3 ~ 7 - 8 m2 per mixed L Average is depending on absorbency of the substrate, applicator device and mixing ratio.
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Ambient Air Temperature	between +5 °C to 35 °C
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Substrate Temperature	between +5 °C to 35 °C
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Substrates	<ul style="list-style-type: none"> ▪ Internal/external concrete ▪ Internal cement levelling compound/screed ▪ Internal calcium sulphate based levelling compound ▪ Internal timber & chipboard floors in raw form (no coatings)
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Waiting Time / Overcoating	Before applying Flooring/Tiling systems wait
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Substrate	Waiting Time
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 hrs @ 23 °C Per coat
Timber and chipboards floors	~2 hrs @ 23 °C Per coat
Cement levelling substrate, if cement based levelling compounds are used	~1 hr @ 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 datasheets 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.

LIMITATIONS

- 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

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete should be fully cured, structurally sound with a minimum pull off 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. Contaminates that are present should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydro-static pressure. If the concrete substrate has efflorescence or high moisture (RH) Sikafloor®-158 W fast Barrier - moisture barrier system should be considered. Timber surfaces must be clean and freshly sanded to remove any previous coatings. Contact your local Sika office for current system information.

MIXING

Mix Sikafloor®-01 Primer at a ratio of 1:3 - 1:2 - 1:1 only with clean cool water.

APPLICATION

Apply diluted

Sikafloor®-01 Primer by way of a soft bristle broom, or long napped roller 10 – 15mm. Correct amount of

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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 24hrs.

- 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.

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.

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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