

PRODUCT DATA SHEET

Sika® Level-01 Primer

Acrylic primer and sealing compound for mineral substrates

DESCRIPTION

Sika® Level-01 Primer is a 1-part, white, water-based acrylic-resin dispersion. It is used to prime and seal concrete or mortar substrates prior to applying leveling mortar.

USES

Sika® Level-01 Primer is used as a:

- Primer for the Sika® Level range of flooring products

Sika® Level-01 Primer is used for:

- Sealing mineral substrates
- Enhancing the bond of cementitious underlayments, industrial grade screeds and mortars
- Priming anhydrite screed substrates

Please note:

- The Product may only be used by experienced professionals.
- The Product may only be used for interior applications.

CHARACTERISTICS / ADVANTAGES

- Effectively seals concrete surfaces in a single, economic operation
- Prevents water loss into the substrate
- Prevents bubbles from forming in the screed
- Improves the bond between the substrate and the mortar
- Excellent bond strength throughout the range of application temperatures
- Dries and forms a film quickly
- Easy to apply
- Can be used at different dilution rates depending on the substrate porosity

PRODUCT INFORMATION

Chemical Base	Water-based acrylic resin
Packaging	5 kg/pail and 20 kg/pail
Appearance / Colour	White liquid
Shelf Life	12 months from date of production
Storage Conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +40 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.
Density	~ 1.02 kg/l (EN ISO 2811-1)
Solid Content by Weight	~48 %

APPLICATION INFORMATION

Mixing Ratio

Depending on the porosity of the substrate, different combinations of dilution rates and number of coats can be used as shown in the table. For substrates based on calcium sulfate, use one or two coats at a Product: water ratio 1:1. If in doubt, apply a test area first.

Type of substrate	Dilution Product: water by volume	Number of coats
Very porous mineral	First coat at 1 : 5 Second coat at 1 : 3	2 coats
Normally porous mineral	1 : 3	1 or 2 coats
Hardly porous mineral	1 : 1	1 coat

Consumption

0.10–0.20 kg/m² per coat or 5–10 m²/kg per coat of diluted product.
Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Product Temperature

Maximum	+30 °C
Minimum	+5 °C

Ambient Air Temperature

Maximum	+30 °C
Minimum	+5 °C

Relative Air Humidity

Maximum	≤ 75 %
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Substrate Temperature

Maximum	+30 °C
Minimum	+5 °C

Pot Life

Apply diluted material within 8 hours

Waiting Time / Overcoating

Allow previous coats to become tack-free before applying further layers.

Substrate temperature	Waiting time
+10 °C	8–12 hours
+20 °C	2–4 hours
+30 °C	1.5–3 hours

Note: Times are approximate and will be affected by changing ambient and substrate conditions.

Drying Time

< 2 hours

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.

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

SUBSTRATE PREPARATION

- High-pressure water or abrasive blast cleaning equipment
- Vacuum cleaner
- Brush

MIXING

- Manual stirrer
- Clean, drinking-quality water
- Clean mixing container

APPLICATION

- Roller
- Brush
- (Optional) Spray equipment

SUBSTRATE PREPARATION

Substrate must be sound, clean and free of all contaminants such as dirt, oil, grease, polish, coatings, water-soluble and water-resistant adhesives, varnish, laitance, surface treatments and loose friable materials. The substrate must be surface dry with the relative humidity of the surrounding air low enough to allow efficient drying of the Product.

1. Prepare the substrate using suitable mechanical preparation techniques such as high-pressure water or abrasive blast cleaning equipment.
2. Completely remove all dust, dirt, loose and friable material from all surfaces with a brush or vacuum cleaner.

MIXING

IMPORTANT

Impaired Product performance due to environmental conditions

In temperatures below +15 °C, the Product may thicken and be less easy to apply.

1. Do not apply to substrates at temperatures below +5 °C or relative humidity above 75 %. Application in these conditions can hinder the film formation and lead to pinholes in the levelling layer.
2. Do not use a Product which has been subject to frost.
3. Observe the recommended storage and application temperatures.

The Product is supplied as a concentrate for dilution.

1. **IMPORTANT** Do not add the water to the concentrate as it will cause the Product to foam. Add the Product to the pre-measured amount of clean, drinking-quality water according to the desired mixing ratio.
2. Stir thoroughly for 1 minute until a homogeneous mix is achieved.

Note: Mixing by hand is adequate.

APPLICATION

IMPORTANT

Incorrect use of Product as moisture barrier

The Product does not form a moisture barrier.

1. Do not apply when a damp-proof membrane is non-existent or has failed.

IMPORTANT

Incorrect use of Product for Polyurethane or Silane Terminated Polymer adhesives or sealants

The Product is not designed as primer for Sika® Polyurethane or Silane Terminated Polymer adhesives or sealants.

1. See the corresponding Product Data Sheet for suitable primers.
1. **IMPORTANT** Do not apply in excess as this may reduce the resulting bond strength values. Apply the Product by brush or by roller to achieve good penetration.

Note: Spray application is possible, but avoid ponding on the surface. Test the suitability of any spray equipment first.

2. Wait for the first coat to dry tack-free.
3. Apply a second coat.

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 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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Product Data Sheet

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