

Sika® Level-01 Primer

Concrete primer and sealer for use with Sika® Level products

Description	Sika® Level-01 Primer is a one-part, water-dispersed and solvent-free, acrylic-based solution used to prime and seal floor surfaces prior to the application of the Sika® Level products.
Where to Use	Use as a primer/sealer for absorbent substrates including concrete and cement screeds. Particularly suitable as an adhesion promoter and surface sealer beneath Sika® Level product range, enhancing the bond and integrity of the underlayment when applied onto porous substrates.
Advantages	<ul style="list-style-type: none">■ Ready to use, no dilution required.■ Water-based and solvent-free.■ Penetrates substrate to reduce outgassing and formation of bubbles in the underlayment.■ Prevents water loss from the underlayment into the substrate.■ Quick-drying and fast film formation to increase productivity.■ Achieves excellent bond values throughout the recommended range of application temperatures.■ Effectively seals concrete surfaces in a single, economic operation.
Coverage	325 to 500 sq.ft per 1 gallon unit (Coverage figures do not include allowance for surface profile and porosity or material waste).
Packaging	1 U.S. gal. jug

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life:	2 years from date of production if stored properly in original, un-opened and undamaged sealed packaging.
Storage Conditions:	Store dry at 41° - 77°F (5° - 25°C). Condition material to 65° - 75°F (18° - 24°C) before using. If frozen, discard.
Color:	White
Density:	63 lbs/cu.ft
Solids Content	23%
Drying time	< 2 hours
Recoat Time	Allow previous coats to become tack-free before applying additional coats
Bond Strength (ASTM C882)	> 217 psi (> 1.5 MPa) (substrate failure)
VOC (EPA method 24)	< 10 g/L

How to Use

Surface Preparation All substrates must be dry, stable, sound and free of all contaminants such as grease, oil, paint, wax, dust, curing and sealing compounds that will interfere with the penetration of Sika® Level-01 Primer

Careful consideration should be given to the selection of the method of mechanical surface preparation and the timing of application of primer and underlayment. Immediately following mechanical preparation on some excessively porous substrates, outgassing will increase for a short period of time (around 48 hours) until equilibrium in slab vapor pressure and the ambient environment is reached.

Prepare concrete and cement substrates by mechanical means, such as shotblasting, sandblasting, waterjetting, scarifying, or other appropriate methods, to achieve an open-textured, fine-gripping surface (ICRI - CSP 3 minimum). Weak concrete should be removed and surface defects such as blowholes and spalls fully exposed and repaired with Sika® Level SkimCoat or SikaQuick® mortar prior to priming. All cracks and holes should be similarly filled to prevent loss of coverage or seepage of the primer through to lower areas.

All loose friable material, including preparation residue, must be completely removed using a vacuum before application of the Sika® Level-01 Primer. The compressive strength of the concrete substrate should be at least 2,900 psi (20 MPa) at 28 days with a minimum tensile strength of 200 psi (1.4 MPa) at the time Sika® Level-01 Primer is applied.

In general a one-coat application of the Sika® Level-01 Primer should be sufficient; however, allowance should be made for double priming on excessively porous substrates. Where multiple coats are required, do not apply excessive material.

Moisture vapor emission rates of the substrate should comply and meet the requirements of the proposed floor

PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SIKA.COM/](http://USA.SIKA.COM/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800.933.7452 NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

Construction

 **Sika**®

	<p>covering. Please consult the manufacturer of the final floor finish for recommendations.</p> <p>Before overall installation begins, Sika® recommends the application of several small test patches to determine primer application requirements and acceptability of final product performance.</p> <p>Consult Sika® Corporation's Technical Service Department for recommendations.</p>
Mixing	Before applying Sika® Level-01 Primer, thoroughly shake the container in which the material is supplied to agitate the contents, ensure all solids are distributed throughout the dispersion and a uniform consistency is achieved.
Application	Ensure that both concrete/cement based substrates and ambient temperatures are between 50°F and 95°F (10°C-35°C) before commencing the application of Sika® Level-01 Primer. The stated application temperatures are to be achieved before priming and should be maintained for a period of at least 3 days after installation of the primer and underlayment. Should colder conditions prevail, make allowance for the use of indirect and vented heaters to achieve and maintain the application temperature required. Where temperatures exceed 86°F (30°C), refer to and follow ACI hot weather application and protection guidelines.
Tooling & Finishing	Apply Sika® Level-01 Primer by brush or roller (long nap roller for rougher surfaces), working the material into the prepared substrate. Typically, one single application is required; however, porous substrates may require two or more coats of primer to effectively seal the surface. Ponding of the primer on the surface must be avoided and puddles must be removed. Where multiple applications are necessary to seal the surface, allow previous coats to become tack-free before applying additional primer. When first applied, Sika® Level-01 Primer appears white; once dry, it is clear. This facilitates quality control in terms of complete coverage and clearly confirms when the underlay can be installed.
Over Painting	To ensure proper adhesion, Sika® Level products is applied within 24 hours of the application of the Sika® Level-01 Primer, but only once the primer is clear (without milky spots) and dry to the touch (typically after a minimum of 2 hours drying time under normal environmental conditions). Lower temperatures and/or humid conditions may extend the drying time between priming coats or before installation of the underlayment.
Limitations	<ul style="list-style-type: none"> ■ For interior use only. Primer developed for the Sika® Level product range. ■ Do not apply to substrates at temperatures below 50°F (10°C) as this will slow the drying and effectiveness of the Sika® Level-01 Primer. ■ Do not apply where the relative humidity of the substrate exceeds 75% as this will limit the efficiency of the primer. ■ The substrate should be surface dry with relative humidity of surrounding air low enough to allow efficient drying of the primer. ■ Low temperature or high humidity will extend the drying time and the waiting time before applying the underlayment. ■ Ponding of the primer must be avoided; ensure even distribution by brush or roller to work the primer into the substrate. ■ Sika® Level-01 Primer does not form a moisture barrier. For proper moisture mitigation, consult Sika® Corporation's Technical Service Department

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KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. FOR PROFESSIONAL USE ONLY.

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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