



PRODUCT DATA SHEET

SikaLevel® Primer

Concrete primer for use with SikaLevel Self Leveling Underlayment

PRODUCT DESCRIPTION

SikaLevel® 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 SikaLevel Underlayment.

USES

- Use as a primer/sealer for absorbent substrates including concrete and cement screeds
- Particularly suitable as an adhesion promoter and surface sealer beneath SikaLevel
- Underlayment enhancing the bond and integrity of the underlayment when applied onto porous substrates

CHARACTERISTICS / ADVANTAGES

- 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.

PRODUCT INFORMATION

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| Packaging | 1 U.S. gal. (3.8 L) jug |
| Shelf Life | 12 months in original, unopened container. Protect from high heat and freezing. Discard if frozen |
| Storage Conditions | Store dry between 40 °F to 77 °F (5 to 25 °C). Condition material to 65 to 75 °F (18 to 24 °C) before using |

TECHNICAL INFORMATION

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| Tensile Adhesion Strength | Pull-Out Strength 3/16" (5 mm) thickness with Sika® Level > 290 psi (2 MPa) | (ACI 503) |
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APPLICATION INFORMATION

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| Coverage | Approximately 325 to 500 ft ² /gal or 8 to 10 m ² /L approximately. Coverage figures do not include allowance for surface profile and porosity or material waste |
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APPLICATION INSTRUCTIONS

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 SikaLevel® 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, 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 SikaLevel® 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 SikaLevel® Primer is applied.

In general a one-coat application of the SikaLevel 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 covering. Please consult the manufacturer of the final floor finish for recommendations. Before overall installation begins, Sika® recommends the application of several small test patches to determine primer application requirements and acceptability of final product performance. Consult Sika® Corporation's Technical Service Department for recommendations.

MIXING

Before applying SikaLevel® 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 (10 °C) and 95 °F (35 °C) before commencing the application of SikaLevel® 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 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 SikaLevel® 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. Ensure coverage is at most 325 to 500 ft²/US gal, 10 to 12 m²/L per coat, depending upon the substrate, but 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, SikaLevel® 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, SikaLevel Underlayment must be applied within 24 hours of the application of the SikaLevel® 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

- For interior use only. Primer developed for SikaLevel Underlayment.
- Condition material between 65 °F to 75 °F (18 to 24°C) before using.
- Do not apply to substrates at temperatures below 50 °F (10 °C) as this will slow the drying and effectiveness of the 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.
- Ponding of the primer must be avoided; ensure even distribution by brush or roller to work the primer into the substrate.
- Low temperature or high humidity will extend the drying time and the waiting time before applying the underlayment.
- SikaLevel® Primer does not form a moisture barrier. For proper moisture mitigation, consult Sika Technical Services.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

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

LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.

Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



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