

PRODUCT DATA SHEET

Sika® Level-01 Primer Plus

Acrylic primer for porous substrates

PRODUCT DESCRIPTION

Sika® Level-01 Primer Plus is a one-part, water-dispersed and solvent-free, acrylic-based solution used to prime and seal floor surfaces prior to the application of Sika® Level products.

USES

- For absorbent substrates
- Concrete and cement screeds.
- Suitable on OSB and plywood
- Particularly suitable as an adhesion promoter and surface sealer beneath Sika Level products, enhancing the bond and integrity of the underlayment when applied onto porous substrates.

CHARACTERISTICS / ADVANTAGES

- 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
- 10 minutes on concrete
- Effectively seals concrete surfaces in a single, economic operation
- Low VOC and low odor
- Interior and exterior use

ENVIRONMENTAL INFORMATION

LEED V4.1 California Department of Public Health (CDPH) Standard Method v1.2: Private Office, School Classroom, and Residential

PRODUCT INFORMATION

Chemical Base	Acrylic
Packaging	1 gal. (3.8 L) jugs
Appearance / Color	White liquid
Shelf Life	12 months in original, unopened container. Protect from high heat and freezing; if frozen, discard
Storage Conditions	Store dry at 41–77 °F (5–25 °C), if frozen, discard. Condition material should be 65–75 °F (18–24 °C) before using.
Density	62 lb./ft ³
Solid content by mass	30 %

APPLICATION INFORMATION

Coverage

	Coverage per 1 gal. jug
Undiluted	~500 ft ² (46.5 m ²)
1:1 (primer:water) dilution	600–700 ft ² (55.7–65 m ²)
1:3 (primer:water) dilution	700–1,000 ft ² (65–92.9 m ²)

(Coverage figures do not include allowance for surface profile and porosity or material waste)

Ambient Air Temperature 50–95 °F (10–35 °C)

Relative Air Humidity Max 75 %

Substrate Temperature 50–95 °F (10–35 °C)

Cure Time

Substrate	Dilution	Coat	Drying Time
Concrete and mortar	1:3	1	10 min.
SikaLevel®-825 Lite over Gypsum Base	1:3	1	10 min.
Extremely porous Concrete and mortar	1:3 then 1:1	2	30 min.
OSB/Plywood	Undiluted	1	2 hrs.
Cementitious over Gypsum Base	1:1	1	16 hrs.

- To ensure proper adhesion, Sika® Level products have to be applied within 24 hours of the application of the Sika® Level-01 Primer Plus, but only once the primer is clear (without milky spots) and tack-free.
- Lower temperatures and/or humid conditions may extend the drying time between priming coats or before installation of the underlayment.

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.

LIMITATIONS

- Does not form a moisture barrier.
- 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 broom to work the primer into the substrate.
- Low temperature or high humidity will extend the drying time and the waiting time.
- Diluted primer must be used within 24 hours of mixing.

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.

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 the primer.
- Weak surfaces should be removed. All cracks and holes should be similarly filled to prevent seepage. Repair with Sika® Level SkimCoat or SikaQuick® mortar prior to priming and leveling.
- 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 Plus is applied.
- Prepare concrete and cement substrates by mechanical means, such as shot blasting, sandblasting, water-jetting, scarifying, or other appropriate methods, to achieve an open-textured, fine-gripping surface.
- 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. Two days should be

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give to the substrate after mechanical preparation before the application of the primer.

- OSB/ plywood must then be suitably secured, bonded and prepared to a contaminant free and sound condition.
- 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.

MIXING

- Before applying Sika® Level-01 Primer Plus, thoroughly shake the container in which the material is supplied in to agitate the contents and to ensure all solids are distributed throughout the dispersion and a uniform consistency is achieved.
- Mix with potable water (approx. 70 °F, 21.1 °C) into a suitable sized and clean mixing container. Mix for 1 minute with a low-speed drill (300 rpm) and a paint mixing paddle.

APPLICATION

- Apply with a stiff bristle, exploded tip push broom.
- Sika® does not recommend the use of paint rollers or spray equipment.
- When first applied, Sika® Level-01 Primer Plus 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
- Where temperatures exceed 86 °F (30 °C), refer to and follow ACI hot weather application and protection guidelines.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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