

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

PRODUCT INFORMATION

Packaging	1 gal. (3.8 L) and 5 gal. (18.9 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 weight	30 %

APPLICATION INFORMATION

Coverage	Coverage per 1 gal. jug			
	Undiluted			~500 ft ² (46.5 m ²)
	1:3 (primer:water) dilution			600–1,000 ft ² (55.7–92.9 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)			
Curing Time	Substrate	Dilution	Coat	Drying Time
	Concrete and mortar	1:3	1	10 min.
	Extremely porous Concrete and mortar	1:3 then 1:1	2	30 min.
	OSB/Plywood	Undiluted	1	2 hrs.
	Gypsum Base	1:1	1	16 hrs.
	<ul style="list-style-type: none">▪ 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.			

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- 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 given 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.

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.

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.

LOCAL RESTRICTIONS

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 instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

ECOLOGY, HEALTH AND SAFETY

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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

36 g/L

(EPA Method 24)

LEGAL NOTES

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vice 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. 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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. 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. Sale of Sika products are subject to Sika's terms and conditions of sale available at <http://usa.sika.com/> or by calling 201-933-8800.

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