

## PRODUCT DATA SHEET

# Sika Concrete Primer Lo-VOC

Single Component, Rapid Curing, Moisture Cured Primer for Use With Sikalastic RoofPro Systems & As a Reactivation Primer for Sikalastic Lo-VOC Resins

### PRODUCT DESCRIPTION

Sika Concrete Primer Lo-VOC is cold applied, single component, moisture-curing polyurethane resin. It is designed for sealing cementitious substrates to reduce the incidence of outgassing and enhance adhesion of Sikalastic RoofPro and Sikalastic RoofCoat systems.

### USES

- For use on most sound substrate surfaces where both a penetrative and surface-lying effect is required
- For use as reactivation primer prior to repairing, modifying or overcoating Sikalastic®-641 Lo-VOC, Sikalastic®-644 Lo-VOC and Sikalastic®-646 Lo-VOC when overcoat window is exceeded

### CHARACTERISTICS / ADVANTAGES

- Significantly reduces the likelihood of blistering and pin holing
- Fast curing formulation
- Single component
- Compatible with most concrete, masonry, stone, roof cover boards and plywood substrates
- Lo-VOC

### PRODUCT INFORMATION

<b>Chemical Base</b>	Moisture-cure polyurethane
<b>Packaging</b>	5 gal. (19 L) pails
<b>Shelf Life</b>	12 months
<b>Storage Conditions</b>	Store dry between 41 °F and 77 °F (5–25 °C). Condition material to 50–77 °F (10–25 °C) before using for ease of application
<b>Density</b>	9.8 lbs/gal (ASTM D-1475)
<b>Solid content by mass</b>	64% by weight (ASTM D-1644 Method A)
<b>Volatile organic compound (VOC) content</b>	96 g/l (ASTM D-2369-81)

## APPLICATION INFORMATION

<b>Coverage</b>	350 ft <sup>2</sup> /gal. on non-absorbent smooth substrates. 300 ft <sup>2</sup> /gal. on prepared, dry concrete. 200 ft <sup>2</sup> /gal. on absorbent gypsum and cementitious cover boards. Note: Rough, porous, or absorbent surfaces will require additional primer and will reduce yield.
<b>Ambient Air Temperature</b>	41 °F (5 °C) min. / 95 °F (35 °C) max.
<b>Relative Air Humidity</b>	80 % R.H. max.
<b>Dew Point</b>	Not for use on surfaces with condensation. Air, substrate and uncured coating must be ≥ 5 °F (3 °C) above dew point.
<b>Substrate Temperature</b>	41 °F (5 °C) min. / 140 °F (60 °C) max.
<b>Substrate Moisture Content</b>	≤ 4 % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).
<b>Pot Life</b>	45 minutes
<b>Waiting / Recoat Times</b>	30–45 minutes at 77 °F (25 °C) and 50 % R.H.. Lower temperatures will extend cure time. Membrane resin should be applied within 24 hours of primer application. Maximum primer exposure is 72 hours. Primer exposed longer than 72 hours, primer exposed to water during curing and exhibiting a chalky appearance, must be re-primed. Deteriorated primer must be mechanically removed before primer reapplication

## 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

- To avoid dew point conditions during application, relative humidity must be no more than 80 %. Air and substrate temperature must be at >5 °F (3 °C) above measured dew point temperatures
  - Minimum ambient and substrate temperature during application and curing of material is 41 °F (5 °C); maximum is 95 °F (35 °C). Surface temperatures must be no higher than 140 °F (60 °C)
  - Do not apply on substrates with moisture content greater than 4 % by weight, measured by Tramex Concrete Moisture Encounter Meter
  - Minimum age of concrete must be 21–28 days depending on curing and drying conditions
  - Do not store materials outdoors exposed to sunlight and moisture for prolonged periods
  - Do not apply to substrate surfaces where moisture vapor transmission will occur during application and cure. This condition may be checked using ASTM D-4263 (Polyethylene Sheet method)
  - Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface
  - Allow sufficient time for the substrate to dry after rain
- or inclement weather, as there is the potential for bonding problems
- On substrates likely to exhibit outgassing apply during falling ambient and substrate temperature. If applied during rising temperature pin holing may occur
  - Precautions should be taken to prevent vapors and/or odors from entering the building/ structure, including but not limited to turning off and sealing air intake vents and throughwall air conditioners, and other means of vapor/odor ingress during application and cure
  - Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various product solutions). Surface irregularities may reflect through the cured system
  - When applying over existing coatings or membranes compatibility and adhesion testing, subsequent approval by Technical Services is required
  - Unvented metal pan, split/sandwich slab with encapsulated membrane and/or insulation, cinder fill decks, and lightweight insulating concrete overlays should not be covered with Sikalastic® membrane systems without additional deck evaluation to determine substrate moisture content and subsequent approval by Technical Services

## 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

### SUBSTRATE PREPARATION

Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application.

**Concrete** - Should be cleaned and prepared to achieve a laitance and contaminant-free, open textured surface by blast cleaning or equivalent mechanical means (CSP-3 per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate.

**Plywood** - Should be clean and smooth, APA and exterior grade, not less than 1/2" thick, and spaced and supported according to APA guidelines. Joints should be sealed with Sikaflex® 2c or 1a and detailed, and may need embedded fabric reinforcement. Maximum moisture content 4%.

**Existing Coatings** - Should be cleaned and mechanically abraded to provide a contaminant free, open textured surface. Followed by a solvent wipe or mop as allowed by state and local regulations. After solvent flashes off proceed with Sikalastic® Primer application.

### MIXING

No mixing necessary.

### APPLICATION

Apply by medium nap phenolic core roller or squeegee and backroll ensuring an even and consistent coverage. Ensure all excess material is removed by back rolling with no pooling or puddling of resin. Allow coating to cure ~45 minutes or until tackfree before proceeding with subsequent system. Primer must be overcoated within 72 hours, if this window is missed the primer must be abraded and solvent wiped followed by an additional coat of Primer before proceeding.

### Removal

Remove liquid uncured resin immediately with dry cloth and do solvent cleanup. Once cured, resin can only be removed by mechanical means.

## CLEANING OF TOOLS

Clean all tools and application equipment with appropriate solvent immediately after use. Hardened and/or cured material can only be removed mechanically

## 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](http://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.**

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.

### Sika Corporation

201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: +1-800-933-7452  
Fax: +1-201-933-6225  
[usa.sika.com](http://usa.sika.com)



### Product Data Sheet

Sika Concrete Primer Lo-VOC  
October 2023, Version 01.04  
02091595100000040

SikaConcretePrimerLo-VOC-en-US-(10-2023)-1-4.pdf

