

PRODUCT DATA SHEET

Sika Concrete Primer Lo-VOC

Liquid Applied, Single Component, Rapid Curing, High Solids, Moisture Cured Primer

PRODUCT DESCRIPTION

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

USES

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

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Chemical Base	Moisture-cure polyurethane	
Packaging	5 gal. (19 L) pails	
Shelf Life	12 months in original, unopened and undamaged sealed containers	
Storage Conditions	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	
Density	1.16 kg/l	
Solid Content	65 % by weight	(ASTM D-2697)
Volatile organic compound (VOC) content	95 g/l	(ASTM D-2369-81)

APPLICATION INFORMATION

Coverage	350 ft ² /gal. on non-absorbent smooth substrates. 300 ft ² /gal. on prepared, dry concrete. 200 ft ² /gal. on absorbent gypsum and cementitious cover boards. Note: Rough, porous, or absorbent surfaces will require additional primer and will reduce yield.
Ambient Air Temperature	41 °F (5 °C) min. / 95 °F (35 °C) max.
Relative Air Humidity	80 % R.H. max.
Substrate Temperature	41 °F (5 °C) min. / 140 °F (60 °C) max.
Dew Point	Beware of condensation. The substrate and uncured coating must be ≥ 5 °F (3 °C) above dew point.
Substrate Moisture Content	≤ 4 % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).
Pot Life	45 minutes
Waiting / Recoat Times	30–45 minutes at 77 °F (25 °C) and 50 % R.H.. Lower temperatures will extend cure time. Ideally, membrane resin will be applied within 24 hours of primer application. Maximum primer exposure is 72 hours. Primer exposed longer than 72 hours, and 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 95 % and substrate temperature must be at least 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

All substrate surfaces shall be clean, dry and sound. Acceptable substrates include: sound concrete masonry and stone, gypsum and cement-based cover boards. Reference separate System Data Sheet for specific surface preparation requirements.

MIXING

No mixing necessary.

APPLICATION

Apply by brush or phenolic resin core roller at the recommended rate. Correct amount of primer will saturate the substrate and leave a slight film on the substrate top surface. Apply evenly without puddling.

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 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.

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Product Data Sheet

Sika Concrete Primer Lo-VOC
July 2021, Version 01.03
02091595100000040

SikaConcretePrimerLo-VOC-en-US-(07-2021)-1-3.pdf

