



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.

WHERE TO USE

- 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

Composition / Manufacturing	Moisture-cure polyurethane	
Packaging	5 gal. (19 L) pails	
Shelf Life	12 months	
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	9.8 lbs/gal	(ASTM D-1475)
Solid content by weight	64% by weight	(ASTM D-1644 Method A)
Volatile organic compound (VOC) content	96 g/l	(ASTM D-2369-81)

APPLICATION INFORMATION

Consumption	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.
Dew Point	Not for use on surfaces with condensation. Air, substrate and uncured coating must be ≥ 5 °F (3 °C) above dew point.
Substrate Temperature	41 °F (5 °C) min. / 140 °F (60 °C) max.
Substrate Moisture Content	≤ 4 % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).
Pot Life	45 minutes
Waiting Time / Overcoating	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

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

FURTHER INFORMATION

Availability

Sika Concrete Primer Lo-VOC is available directly from Sika Canada Authorized Applicators and/or Distributors when used within a Sika® Sikalastic Roofing or Waterproofing System. Contact Sika Canada or visit our website at www.sika.ca for further information.

Warranty

Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a warranty to the Building Owner via the Authorized Applicator.

FURTHER INFORMATION

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

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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.

Sika Canada Inc.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations

Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

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.

CLEAN UP

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

SikaConcretePrimerLo-VOC-en-CA-(07-2024)-1-1.pdf

Product Data Sheet

Sika Concrete Primer Lo-VOC
July 2024, Version 01.01
02091595100000040

