



PRODUCT DATA SHEET

Sikalastic® Primer

ONE-COMPONENT, HIGH SOLIDS, AROMATIC POLYURETHANE PRIMER

PRODUCT DESCRIPTION

Sikalastic® Primer is cold applied, single component, low-VOC, moisture-curing polyurethane primer. It is designed for sealing cementitious substrate to reduce the incidence of outgassing. For use as a primer under Sikalastic Traffic & Waterproofing Systems on concrete, plywood, select metals and existing PU coatings.

USES

Sikalastic® Primer may only be used by experienced professionals.

- Primer used for Sikalastic Traffic Coatings and Waterproofing Coating Systems.
- Suitable for use on most sound substrate surfaces where both a penetrative and surface lying effect is required.
- Can be used as a recoat primer over existing PU coatings. Adhesion test is recommended.

CHARACTERISTICS / ADVANTAGES

- Fast curing formulation
- No mixing required
- Compatible with most concrete, masonry, and stone substrate materials
- Low-VOC formulation
- Low temperature application
- Reduces the likelihood of blistering and pin-holing

PRODUCT INFORMATION

Chemical Base	Moisture cure polyurethane
Packaging	5 gal. pails
Shelf Life	12 months in original, unopened containers
Storage Conditions	Store dry at 41–77 °F (5–25 °C). Condition material to 50–77 °F (10–25 °C) before using for ease of application.
Appearance / Color	Light Amber
Volatile organic compound (VOC) content	See Product Safety Data Sheet

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APPLICATION INFORMATION

Coverage	250 ft ² /gal on prepared, dry concrete and masonry (CSP3 surface preparation) 225 ft ² /gal to 300 ft ² /gal; depending on substrate profile and porosity Note: On porous/open substrates, apply as two coats, each at maximum spread rate of 275 ft ² /gal
Ambient Air Temperature	min. 41 °F / max. 95 °F
Substrate Temperature	min. 41 °F / max. 140 °F
Cure Time	~45 minutes at 77 °F (25 °C) and 50 % R.H. Lower temperatures will extend cure time. Recoat Time: Up to 72 hours

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

- For use under Sikalastic Traffic and Waterproofing coating systems only, not for use under Sikaflex or Sikasil Sealants without Sika Technical Service approval or if indicated on specific product data sheet.
- 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 30 °F (-1 °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.
- The substrate should be free of frost and any residue of ice, snow or moisture.
- Minimum age of concrete must be 21–28 days depending on curing and drying conditions.
- Do not thin with solvents.
- 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.
- On grade concrete decks should not be covered with Sikalastic® membrane systems.
- 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.
- Do not thin with solvent.
- Mockups to verify application methods and substrate conditions including compatability and adhesion testing are highly recommended.

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.

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APPLICATION INSTRUCTIONS

SURFACE 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%.

Metal - Metal must be in sound condition. The surface should be free of all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products and other foreign matter. Be aware of dew point and check it before every application on metal surface.

- **Steel, Carbon Steel:** Must be prepared to SSPC-SP6/NACE 3. For areas where SSPC-SP6/NACE 3 is prohibited or not feasible, substrate can be thoroughly cleaned by grinding or other power tools per SSPC-SP11.
- **Aluminum:** Prepared by removing any deposits of dust and oxidation and abrading to bright metal finish. The surface must be clean and free from grease which, if present, must be removed with a solvent wipe prior to application.
- **Galvanized Steel:** White rust must be removed from galvanized steel, with care taken not to damage or remove the galvanizing.
- **Stainless Steel:** Must be mechanically abraded or ground to create an appropriate anchor profile.

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 required.

APPLICATION

Apply Sikalastic® Primer by medium nap phenolic core roller or squeegee and backroll ensuring and 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 tack-free before proceeding with subsequent system.

Sikalastic® 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 Sikalastic® 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.

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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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