

PRODUCT DATA SHEET

Sikalastic® FTP Lo-VOC Primer

TWO-COMPONENT HIGH SOLIDS EPOXY PRIMER

PRODUCT DESCRIPTION

Sikalastic® FTP Lo-VOC Primer is a two-component, high solids epoxy primer for use with Sikalastic traffic deck coatings.

USES

Use with Sikalastic® Traffic Systems as a primer on concrete, cementitious or plywood surfaces exposed to vehicular or pedestrian traffic. Refer to the Sikalastic® 710 Lo-VOC/715 Lo-VOC/736 AL Lo-VOC, the Sikalastic® 710/715/735 AL, and the Sikalastic® 720/745 Traffic System Data Sheets for system application instructions as well as limitations.

CHARACTERISTICS / ADVANTAGES

- Low VOC
- Fast dry time
- Low odor
- Moisture tolerant
- ANSI/NSF 61 approved for direct contact with potable water

PRODUCT INFORMATION

Packaging	3 gal. Kit:	
	<ul style="list-style-type: none"> ▪ Component A: 2 US gal. (7.57 L) ▪ Component B: 1 US gal. (3.78 L) ▪ Components A+B: 3 US gal. (11.35 L) 	
	15 gal. Kit:	
	<ul style="list-style-type: none"> ▪ Component A: 2 x 5 US gal. (2 x 18.9 L) ▪ Component B: 1 x 5 US gal. (18.9 L) ▪ Components A+B: 15 US gal. (56.7 L) 	
Appearance / Color	Green transparent after mixing	
Shelf Life	1 year in original unopened container under proper storage conditions.	
Storage Conditions	Store dry between 40–90 °F (4–32 °C). Condition material to 65–85 °F (18–30 °C) before using.	
Solid Content	91 % (by weight)	(ASTM D-2369)
	90 % (by volume)	(ASTM D-2697)

Viscosity	Components A + B: 600 +/- cps (approx.)
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APPLICATION INFORMATION

Coverage	Approximately 160 to 260 s.f./gal. Coverage rates provided are intended to achieve required wet film thickness under optimal conditions. Additional material may be required depending on substrate surface roughness and porosity, material and substrate temperatures, and other site-dependent factors. This will result in a lower coverage rate.
Pot Life	Approx 20–30 minutes at 75 °F (24 °C) and 50 % relative humidity
Cure Time	Approximately 4–6 h at 75 °F (24 °C) and 50 % relative humidity
Waiting Time / Overcoating	Up to 24 h at 75 °F (24 °C)

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-3-4 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. The compressive strength of the concrete substrate should be at least 3500 psi at 28 days and at least 250 psi in tension at the time of application of Sikalastic® FTP Lo-VOC Primer.

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.

MIXING

Premix Part A (blue liquid) and Part B (yellow liquid) components separately using a low speed (400–600 rpm) mechanical mixer and Jiffy Paddle at slow speed to obtain uniform color (typically 30 seconds), making sure to scrape the solids from the bottom and sides of the pail. For the 3 gallon kit, pour Part B into Part A slowly and while mixing scrape the side of the container, For the 15 gallon kit, pour Part A into a separate mixing vessel and then pour part B into Part A. Mixing ratio is 2 parts A to 1 part B. Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture. Do not mix more material than can be applied within the working time limits

(i.e. Pot Life) at the actual field temperature.

APPLICATION

Apply with flat squeegee or phenolic resin core roller at the recommended rate. Allow for sufficient wetting of the slab and backroll, utilizing a 1/4" or 3/8" nap roller to eliminate puddles on the surface of the slab.

Removal

Remove wet primer with MEK, xylene, or oxygenated solvents. Once cured, primer can only be removed by mechanical means. Strictly follow solvent manufacturer's warnings and instructions for use.

LIMITATIONS

- To avoid dew point conditions and prolonged cure during application, relative humidity must be no more than 85 % 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). Frequent monitoring of ambient and substrate temperature should always be done when applying epoxy primers. Note that low temperatures will slow down the cure, and high temperatures will accelerate it.
- Primer materials will become more viscous at lower application temperatures and be more difficult to spread, which may affect yield. Material not preconditioned to at least 65 °F (18 °C) is likely to exhibit these characteristics.
- Maximum moisture content of concrete substrate by weight when measured with a Tramex CME or CMExpert type concrete moisture meter: 5 % for exterior exposed decks with one application of Sikalastic® FTP Lo-VOC Primer; 6 % for exterior exposed decks with two applications of Sikalastic® FTP Lo-VOC Primer; 5 % for interior protected decks with one application of Sikalastic® FTP Lo-VOC Primer.

- Minimum age of concrete must be 21–28 days depending on curing and drying conditions.
- The compressive strength of the concrete substrate should be at least 3500 psi at 28 days and at least 250 psi in tension at the time of application of Sikalastic® FTP Lo-VOC Primer.
- 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.
- Protect freshly applied primer from freezing, dampness, condensation and water prior to top coating.
- Not intended for immersion applications, or any use where moisture can reach the underside of the primed surface.
- On substrates likely to exhibit outgassing apply during falling ambient and substrate temperature. If applied during rising temperature pinholing 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 through-wall 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.
- On grade, lightweight concrete, asphalt pavement, or insulated split slab applications, or applications where chained or studded tires may be used should not be coated with Sikalastic® Traffic Systems.
- Unvented metal pan decks or decks containing between-slab membranes require further technical evaluation prior to coating with Sikalastic® Traffic Systems - contact Sika regarding recommendations.
- Sikalastic® FTP Lo-VOC Primer has a recoat window of 24 hours. If the recoat window is exceeded, the primed surface must be abraded (grinding or sanding), followed by a broom sweep and vacuum, prior to re-application of Sikalastic® FTP Lo-VOC Primer.
- Primer is not UV stable and must be topcoated.
- Not recommended for metal substrates.

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.

LEGAL DISCLAIMER

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