

Sikalastic® FTP Primer

Two-component, low odor, fast curing water-based primer

Description	Sikalastic® FTP primer is a two-component, waterborne epoxy diluted with water in the field.
Where to Use	Use with Sikalastic® Traffic Systems as a primer on concrete, cementitious or plywood surfaces exposed to vehicular or pedestrian traffic. Refer to the Sikalastic® 710/715/735 AL Traffic System and Sikalastic® 720/745 Traffic System Product Data Sheets for system application instructions as well as limitations.
Advantages	<ul style="list-style-type: none">■ Low VOC■ Fast dry time■ Low odor■ Moisture tolerant
Packaging	Sikalastic® FTP primer is packaged in pre-proportioned kits, both diluted with water in the field. 7gal. kit - two 1 gal. cans Part B and two short-filled pails Part A (1.25 gal. each). Kit yields 7 gal. after dilution with 2.5 gal. water (see mixing instructions). 1 gal. kit - short filled can of Part A (0.28 gal.) and a short filled gallon can Part B (0.35 gal.). The kit will yield one gallon of mixed product after dilution with 0.35 gal. water. (see mixing instructions).
Coverage	Approximately 300 ft. ² /gal. Porous and rough substrates will increase consumption.
Chemical resistance	No Chemical Resistance Guide for this product, requires over coating with a Sika waterproofing system.
Cure Mechanism	See application info.

Typical Data *Material and curing conditions at 75° F (24°C) and 50 % RH*

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life:	2 years in original unopened container under proper storage conditions.
Storage:	Store dry between 40°-90°F (4°-32°C). Condition material to 65°-85°F (18°-30°C) before using.
Pot Life:	Approx. 1 hour @ 77°F (25°C) and 50% relative humidity
VOC (ASTM D2369):	< 5 g/L
Flash Point:	>200°F (93.3°C)
Recoat time:	Up to 48 hrs. @ 77°F (25°C)
Cure time:	3-4 hrs. @ 77°F (25°C) and 50% relative humidity

TYPICAL PHYSICAL PROPERTIES:

Bond Strength (ACI 503R, Appendix A): >400 psi (100% concrete failure)

Construction



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How to Use

Surface Preparation

Concrete 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 shot blasting to a minimum of (CSP 3-4 as 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 primer.

Mixing

7 gal. kit: It is important to remember that this coating has a limited pot life of approximately 1 hour at 77°F (25°C) and 50% relative humidity. Do not use beyond this frame regardless of whether or not the product appears to still be usable. Review that all surface preparation is complete and application equipment is in good working order before starting the mixing sequence.

1. Premix each component. Sikalastic® FTP primer, Part B is dark olive green in color and may appear black in the container. Sikalastic® FTP primer, Part A is light amber in color.
2. Add the 1 gallon of Sikalastic® FTP primer, Part A to the 1.25 gallons of Part B in the short filled Part B pail.
3. Mix thoroughly with a low speed (300 - 500 rpm) drill with Jiffy paddle for a minimum of 3 minutes. The mixture will appear as a uniform light olive green color.
4. Slowly add 1.25 gallons of potable water to the mixture under agitation.
5. Mix for a minimum of 2 additional minutes until the mixture is fully dispersed. Fully dispersed material will appear as light yellow to white in color.

1 gal. kit: It is important to remember that this coating has a limited pot life of approximately 1 hour at 77°F (25°C) and 50% relative humidity. Do not use beyond this frame regardless of whether or not the product appears to still be usable. Review that all surface preparation is complete and application equipment is in good working order before starting the mixing sequence.

1. Premix each component. Sikalastic® FTP primer, Part B is dark olive green in color and may appear black in the container. Sikalastic® FTP primer, Part A is light amber in color.
2. Add the 0.28 gallons of Sikalastic® FTP primer, Part A to the 0.35 gallons of Part B in the short filled Part B can.
3. Mix thoroughly with a low speed (300 - 500 rpm) drill with Jiffy paddle for a minimum of 3 minutes. The mixture will appear as a uniform light olive green color.
4. Slowly add 0.35 gallons of potable water to fill the gallon can under agitation.
5. Mix for a minimum of 2 additional minutes until the mixture is fully dispersed. Fully dispersed material will appear as light yellow to white in color.

NOTE: The order that the FTP components are mixed is critical to the performance of this product. Failure to mix properly may result in an incomplete cure, despite a dry appearance.

Application

Apply with flat squeegee or roller at the recommended rate. Allow for sufficient wetting of the slab and backroll, utilizing a ¼" or ⅜" nap roller to eliminate puddles on the surface of the slab. Minimize the overlap from batch to batch or bead-to-bead applications while achieving complete slab coverage, as these areas of overlap may not bond.

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.



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Over Painting

Sikalastic® FTP primer has a recoat window of up to 48 hours. Do not apply a second coat of Sikalastic® FTP primer, as it will not properly bond. There is no need for additional mechanical or chemical preparation of the Sikalastic® FTP primer prior to the installation of the topcoat, if recoated within the recoat window, and the Sikalastic® FTP primer has not been exposed to foot or vehicular traffic or similar. If the recoat window is missed (48 hours) the surface requires grinding or screening with 80 grit, followed by a broom sweep and vacuum, prior to reapplication of Sikalastic® FTP primer.

Limitations

- Product must be protected from freezing. If frozen, discard.
- 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 90°F (32°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.
- Do not apply on substrates with moisture content greater than 4% by weight, measured by a Tramex CME or CMEExpert type concrete moisture meter.
- 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 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.
When applying over existing coatings or membranes compatibility and adhesion testing, and subsequent approval by Technical Services is required.
- 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 – the use of a moisture tolerant primer such as Sikalastic® MT primer is required - contact Sika regarding recommendations.
- Not recommended for metal substrates.
- Primer is not UV stable and must be topcoated.



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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.

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 instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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