

Product Data Sheet

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Identification no.

Sikafloor FTP



Sikafloor® FTP

Fast Track Primer

Description	<p>As a Green Concrete Primer: Sikafloor FTP is a three-component, 36% solids, waterborne-epoxy. As a green concrete primer, Sikafloor FTP will allow Sikafloor systems to be applied to properly designed green concrete inside the typical 28 day concrete curing window. This primer is specially formulated for superior penetration and adhesion to a green concrete slab. Primer application within eight (8) hours of pour eliminates the need for shotblasting of acceptably designed concrete. Fast Track Primer seals the surface of the slab and can act as a concrete curing compound to improve the physical properties of the concrete by allowing proper hydration.</p> <p>As a Moisture Vapor Treatment: Sikafloor FTP is a three-component, 36% solids, waterborne-epoxy. As a moisture vapor treatment, Sikafloor FTP will reduce water vapor levels from as high as 8 lbs. per 1.000 sq.ft. to below the acceptable level of 3 lbs. per 1.000 sq.ft. in a single coat. This application requires a shotblasted surface.</p>
Where to Use	<ul style="list-style-type: none"> Use as a green concrete primer or moisture vapor treatment under Sikafloor epoxy and urethane coatings as well as broadcast and troweled systems.
Advantages	<ul style="list-style-type: none"> Excellent adhesion to green concrete Primer applied to concrete within 8 hours of pour requires no mechanical preparation Superior penetration of green concrete substrates Low VOC Eliminates the need for shotblasting prior to coating application as green concrete primer Fast dry time Low odor Moisture tolerant Meets ASTM C-309 requirement for use as a concrete curing compound
Chemical Resistance	No CRG for this product, requires over coating with a Sika flooring product or system.

Typical Data	
Shelf Life	2 years in original unopened container under proper storage conditions. Store dry between 40° - 90°F (5° - 32°C).
Pot Life	Approx. 2 hours @ 77°F (25°C) and 50% relative humidity
Packaging	Sikafloor FTP is packaged in pre-proportioned kits. The kit consists of a gallon can (3.78 L) of Resin and a short-filled five gallon (18.9 L) pail of Hardener. The kit will yield 4.75 gallons (17.9 L) of mixed product after the required reduction with water.
Coverage	<p>As a Green Concrete Primer: On a non-blasted surface, Fast Track Primer must yield approximately 150-250 sq.ft./gal. (45 m²-76 m²/3.78 L)</p> <p>As a Moisture Vapor Treatment: On a blasted surface, Fast Track Primer must yield approximately 150-200 sq.ft./gal. (45 m²-61 m²/3.78 L)</p>
VOC (g/l)	ASTM D2369-07 0.2 g/l
Percent Solids	36%
Flash Point	>200°F (93.3°C)
Recoat time	14 to 48 hrs. @ 77°F (25°C)
Cure time	3-4 hrs. @ 77°F (25°C) and 50% relative humidity
Thinner	Not recommended
TYPICAL PHYSICAL PROPERTIES:	
Concrete Curing Compound	
Water Loss (ASTM C 309)	> .55 kg/m ²
Bond Strength (ACI 503R, Appendix A)	>400 psi (100% concrete failure)



**How to Use
 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 shot blasting to a minimum of (CSP-3 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. Whenever "shot-blasting" is utilized, be careful to leave concrete with a uniform texture. Over "blasting" will result in reduced coverage rates of the primer and/or subsequent topcoats. It is also possible that the texture of the "shot-blast pattern" may show through the last coat. This is known as "tracking". The compressive strength of the (existing) concrete substrate should be at least 3500 psi (24 MPa) at 28 days and at least 250 psi (1.7 MPa) in tension at the time of application of Sikafloor FTP.

Mixing

It is important to remember that this coating has a limited pot life. Although it is an extended pot life, review that all surface preparation is complete and application equipment is in good working order before starting the mixing sequence.

1. Premix both components. Sikafloor FTP, Part "H" is dark olive green in color and may appear black in the container. Sikafloor FTP, Part "R" is light amber in color.
2. Add the 1 gallon (3.78 L) of Sikafloor FTP, Part "R" to the 1.25 gallons (4.73 L) of Part "H" in the short filled Part "H" pail.
3. Mix thoroughly with a Jiffy blade 3 minutes. This mixture will appear as a light olive green color.
4. Slowly add 2.5 gallons (9.46 L) of potable water to the mixture under agitation.
5. Mix for an additional 2 minutes until the mixture is fully dispersed. Fully dispersed material will appear as light yellow to white in color.

Application

Sikafloor FTP should be applied by first pouring a bead of material on the surface to be coated. Using a flat squeegee spread the poured material at the recommended rate. Sikafloor FTP is a low viscosity product and will run in front of the squeegee like water. Pull the squeegee slowly with a large puddle in front of the squeegee. Allow for sufficient wetting of the slab and ensure that the recommended coverage rate is honored. Backroll, utilizing a 1/4" 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.

**Critical Recoat
 Time**

Sikafloor FTP has a recoat window of 14 to 48 hours. There is no need for additional mechanical or chemical preparation of the Fast Track Primer prior to the installation of the topcoat, if recoated with in the recoat window, and the Sikafloor FTP has not been exposed to foot or fork lift 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.

Limitations

- **IMPORTANT:** Product must be protected from freezing. If frozen, discard.
- Minimum/Maximum substrate temperature: 60°F/85°F (15.5°C/30°C).
- Minimum/Maximum relative humidity: 10%/85%.
- Substrate temperature must be 5°F (3°C) above measured dew point.
- Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F1869. Maximum acceptable test result is 8 pounds per 1,000 ft² per 24 hours. If over, use Sikafloor EpoCem 81/82 or Sikafloor Vapor Block.
- This product is not designed for exterior use, immersion, or any use where moisture can reach the underside of the resurfacer.
- Freshly applied Sikafloor FTP should be protected from dampness, condensation and water for at least 24 hrs.
- Do not thin this product. Addition of thinners will slow the cure and reduce the ultimate properties of this product.
- Will discolor over time when exposed to sunlight (UV) and under certain artificial lighting conditions. UV resistant, light stable topcoats are available where ultimate color/clarity retention is required.
- Sikafloor FTP is to be used per specification only on standard mix design concrete. Any special mix design or high density concrete needs to be reviewed by Sika Technical Service personnel prior to approval of the product for use in the installation. A certain degree of porosity of the slab surface is necessary for Sikafloor FTP to function as designed. Please review finishing plans with Sika Technical Service personnel prior to application.



Caution	<p>COMPONENT A: WARNING: IRRITANT: Contains epoxy resins, Nonyl Phenol (CAS 25154-52-3). Eye irritant. May cause skin/respiratory irritation. Prolonged and/or repeated contact with skin may cause allergic reaction/sensitization. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Harmful if swallowed. Strictly follow all use, handling and storage instructions.</p> <p>COMPONENT B: WARNING: CORROSIVE, SENSITIZER, IRRITANT. Contains amines (mixture). Contact with skin and eyes causes severe burns. Respiratory irritant. May cause eye/skin irritation. Possible skin sensitization/allergic reaction with prolonged or repeated exposure. Harmful if swallowed. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal.</p>	
First Aid	<p>Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation – Remove to fresh air. Ingestion – Do not induce vomiting. Dilute with water. Contact physician. In all cases, contact a physician immediately if symptoms persist.</p>	
Handling & Storage	<p>Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse.</p>	
Clean Up	<p>Avoid contact. Wear chemical resistant clothing/gloves/goggles. In absence of adequate ventilation; use a properly fitted NIOSH respirator. Uncured material can be removed with approved solvent. Follow solvent manufacturer's instructions for use and warnings. Cured material (when Component R combined with Component H) can only be removed mechanically. In case of spill, ventilate area and contain spill. Collect with absorbent material. Dispose of in accordance with current, applicable local, state, and federal regulations.</p>	
Additional Info	<p>Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on www.sikafloorusa.com. Proper material application is the responsibility of the user. Site visits made by Sika personnel are for making technical recommendations only and not for supervising or providing quality control.</p>	
Trouble Shooting	<p>Problem Observed</p> <p>Peeling Between Coats</p> <p>Puddling and/or Lack of Absorption</p> <p>Slow Cure</p> <p>Coating Soft</p> <p>Cloudiness (after recommended cure time has passed)</p>	<p>Possible Causes</p> <p>Past critical recoat time; Contamination between coats.</p> <p>Improper coverage rate; Insufficient profile of the slab. Stop the application, brush blast and reapply; Same issue after a brush blast indicates that the slab is too dense for the product to function as designed.</p> <p>Low floor and ambient temperatures; Use of thinner in product; Improper mixing; Product applied too thick.</p> <p>Improper mixing; Use of thinner in product; Extreme weather conditions; overapplication.</p> <p>Overapplication (product will not function as designed)</p>

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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