



TECHNICAL DATA SHEET

CFS-LOW VISCOSITY PRIMER

PRODUCT DESCRIPTION: CFS-Low Viscosity Primer is a two component 93% (+/- 1%) solids epoxy colored coating designed for applications where a high solids primer is needed before applying high solids or 100% solids topcoats for build coats over concrete.

RECOMMENDED FOR: Recommended for a high build primer on concrete or masonry. Product is suitable in many chemical exposure environments.

<p>SOLIDS BY WEIGHT: 93% (+/- 1%) SOLIDS BY VOLUME: 85% (+/- 2%) VOLATILE ORGANIC CONTENT: Part A = .14#/gallon, part B = 2.1#/gallon. Mixed VOC less than 95 g/l STANDARD COLORS: Tile red, beige, charcoal gray, tan, brown, fazor tan, SE camel, light gray, medium gray, dark gray, black OTHER AVAILABLE COLORS: Light blue, blue, green, white, safety red, safety yellow RECOMMENDED FILM THICKNESS: 6-12 mils COVERAGE PER GALLON: 133-267 sq. ft. @ 6-12 mils PACKAGING INFORMATION: 1 quart, 1 ½ gallon, 3 gallon, 15 gallon MIX RATIO: 12 lbs. (1 gallon) part A to 3.85 lbs. (0.5 gallon) part B (volumes approximate) (standard colors) SHELF LIFE: 1 year in unopened containers FINISH CHARACTERISTICS: Gloss (typical 60 at 60 degrees) ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 45 mg loss ADHESION: 430 psi @ elcometer (concrete failure, no delamination) VISCOSITY: Mixed = 500-800 cps (typical, most colors) DOT CLASSIFICATIONS: Part A “not regulated” Part B “FLAMMABLE LIQUID N.O.S., 3, UN1993, PGII” FLEXURAL STRENGTH: 8,200 psi @ ASTM D790 YIELD COMPRESSIVE STRENGTH: 8,300 psi @ ASTM D695 TENSILE STRENGTH: 6,800 psi @ ASTM D638 GARDNER VARIABLE IMPACTOR: 50 in. lb. direct - passed ULTIMATE ELONGATION: 2.5%</p>	<p>HARDNESS: Shore D = 80 CURE SCHEDULE: (70 DEGREES F) Pot life - 1 ½ gal volume 35-55 minutes Tack free (dry to touch) 6-9 hours Recoat or topcoat 10-14 hours Light foot traffic 12-16 hours Full cure (heavy traffic) 2-7 days APPLICATION TEMPERATURE: 60-90 degrees F with relative humidity below 85% for best results CHEMICAL RESISTANCE:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">REAGENT</th> <th style="text-align: left;">RATING</th> </tr> </thead> <tbody> <tr><td>Butanol</td><td>C</td></tr> <tr><td>Xylene</td><td>C</td></tr> <tr><td>1,1,1 trichloroethane</td><td>B</td></tr> <tr><td>Mek</td><td>A</td></tr> <tr><td>Methanol</td><td>A</td></tr> <tr><td>Ethyl alcohol</td><td>C</td></tr> <tr><td>Skydrol</td><td>B</td></tr> <tr><td>10% sodium hydroxide</td><td>E</td></tr> <tr><td>50% sodium hydroxide</td><td>D</td></tr> <tr><td>10% sulfuric acid</td><td>C</td></tr> <tr><td>70% sulfuric acid</td><td>A</td></tr> <tr><td>10% HCl (aq)</td><td>C</td></tr> <tr><td>5% acetic acid</td><td>B</td></tr> </tbody> </table> <p>Rating Key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative. PRIMER: None required TOPCOAT: Recommended epoxy coatings or high builds. Topcoat with aliphatic urethanes for increased UV stability.</p>	REAGENT	RATING	Butanol	C	Xylene	C	1,1,1 trichloroethane	B	Mek	A	Methanol	A	Ethyl alcohol	C	Skydrol	B	10% sodium hydroxide	E	50% sodium hydroxide	D	10% sulfuric acid	C	70% sulfuric acid	A	10% HCl (aq)	C	5% acetic acid	B
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LIMITATIONS:

- *Color stability or gloss may be affected by environmental conditions such as high humidity/chemical exposure.
- *Colors may vary from batch to batch.
- *This product is not UV color stable but has fairly good color stability. Topcoat recommended.
- *Substrate temperature must be 5 degrees F above dew point.
- *For best results, apply with a ¼” nap roller.
- *All new concrete must be cured for at least 30 days prior to application.
- *Physical properties data based on neat resin.
- *Physical properties are typical values and not specifications.