



TECHNICAL DATA SHEET CFS-NOVOLAC EPOXY TOPCOAT

PRODUCT DESCRIPTION: CFS-Novolac Epoxy Topcoat is a two component colored high solids novolac epoxy coating designed for application where splash and spills of acids, chemical and solvents occur.

RECOMMENDED FOR: Recommended for a high build for traffic areas, battery charging stations, chemical troughs and curbs, as well as tanks and chemical spill areas for cement masonry or brick.

<p>SOLIDS BY WEIGHT: 96% (+/- 1%) SOLIDS BY VOLUME: 94% (+/- 1%) VOLATILE ORGANIC CONTENT: Less than 44 g/l STANDARD COLORS: Light gray, medium gray, tile red RECOMMENDED FILM THICKNESS: 16-18 mils COVERAGE PER GALLON: 90-100 sq. ft. @ 16-18 mils wet thickness PACKAGING INFORMATION: 1 ½ gallon, 3 gallon MIX RATIO: 10.15 lbs. part A (1 gallon) to 4.2 lbs. Part B (½ gallon) (volumes are approximate) SHELF LIFE: 1 year in unopened containers FINISH CHARACTERISTICS: Gloss (>40 at 60 degrees @ glossmeter) FLEXURAL STRENGTH: 9,610 psi @ ASTM D790 - ½” x ½” bars span 4” COMPRESSIVE STRENGTH: 9,900 psi @ ASTM D695 TENSILE STRENGTH: 6,680 psi @ ASTM D638 ADHESION: 425 psi @ elcometer (concrete failure, no delamination) ULTIMATE ELONGATION: 4.7% HARDNESS: Shore D = 88 GARDNER VARIABLE IMPACTOR: 50 in. lb. direct - passed ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 20 mg loss VISCOSITY: Mixed = 2200-2700 cps (typical) DOT CLASSIFICATIONS: Part A “not regulated” Part B “CORROSIVE LIQUID, N.O.S., 8, UN1760, PGIII”</p>	<p>HEAT DEFLECTION TEMP: 115.5 degrees F, ASTM D648 CURE SCHEDULE: (70 DEGREES F) Pot life (1 ½ gallon volume) 25-35 minutes Tack free (dry to touch) 5-7 hours Recoat or topcoat 5-10 hours Light foot traffic 10-18 hours Full cure (heavy traffic) 2-7 days APPLICATION TEMPERATURE: 60-95 degrees F with relative humidity below 90% 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>Xylene</td><td>D</td></tr> <tr><td>1,1,1 trichloroethane</td><td>C</td></tr> <tr><td>Mek</td><td>C</td></tr> <tr><td>Methanol</td><td>C</td></tr> <tr><td>Ethyl alcohol</td><td>C</td></tr> <tr><td>Skydrol</td><td>C</td></tr> <tr><td>10% sodium hydroxide</td><td>E</td></tr> <tr><td>50% sodium hydroxide</td><td>E</td></tr> <tr><td>10% sulfuric acid</td><td>E</td></tr> <tr><td>70% sulfuric acid</td><td>C</td></tr> <tr><td>10% HCl (aq)</td><td>D</td></tr> <tr><td>5% acetic acid</td><td>D</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: Recommended CFS-Novolac Epoxy Primer TOPCOAT: None recommended</p>	REAGENT	RATING	Xylene	D	1,1,1 trichloroethane	C	Mek	C	Methanol	C	Ethyl alcohol	C	Skydrol	C	10% sodium hydroxide	E	50% sodium hydroxide	E	10% sulfuric acid	E	70% sulfuric acid	C	10% HCl (aq)	D	5% acetic acid	D
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<p>LIMITATIONS:</p> <ul style="list-style-type: none"> *Color stability or gloss may be affected by environmental conditions such as high humidity, low temperature or chemical exposure. *Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job. *Apply a suitable primer before using this product. *This product is not UV color stable and exposure to lighting such as sodium vapor lights may cause Discolorations. *Mixtures of chemicals and applications with exposures to chemicals at elevated temperatures should be thoroughly evaluated before applying coating. A test patch is recommended. *Product can develop surface irregularities in leveling in combination to some chemical contamination or substrate compositions. *Substrate temperature must be 5 degrees F above dew point. *For best results, appl with a ¼” nap roller. *All new concrete must be cured for at least 30 days prior to application. *Physical properties are typical values and not specifications. 																											

