



TECHNICAL DATA SHEET CFS-UV CLEAR EPOXY TOPCOAT

PRODUCT DESCRIPTION: CFS-UV Clear Epoxy Topcoat is a two component 100% solids epoxy seal coat which incorporates UV resistance additives that can be used either as a coating or filled with paint chips, marble chips and colored sand mixtures to provide an infinite array of color schemes or patterns.

RECOMMENDED FOR: Recommended for warehouses, kitchens, restrooms, and other areas where either a high build clear product is needed or where a decorative filled floor is desired and better UV resistance is needed.

<p>SOLIDS BY WEIGHT: 100% SOLIDS BY VOLUME: 100% VOLATILE ORGANIC CONTENT: Less than 3 g/l STANDARD COLORS: Clear - Gardner color 1-2 RECOMMENDED FILM THICKNESS: 16-18 mils COVERAGE PER GALLON: 166-200 sq. ft. over flake PACKAGING INFORMATION: 1 quart, 1 ½ gallon, 3 gallon MIX RATIO: 9 lbs. part A (.99 gallons) to 4.15 lbs. part B (.49 gallons) (volumes approximate) SHELF LIFE: 1 year in unopened containers FINISH CHARACTERISTICS: Gloss (60 to 90 at 60 degrees @ glossmeter) ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 36 mg loss FLEXURAL STRENGTH: 7,400 psi @ ASTM D790 COMPRESSIVE STRENGTH: 11,200 psi @ ASTM D695 ADHESION: 350 psi @ elcometer (concrete failure, no delamination) VISCOSITY: Mixed = 700-1000 cps (typical) DOT CLASSIFICATIONS: Part A “not regulated” Part B “CORROSIVE LIQUID N.O.S., 8, UN11760, PGIII” TENSILE STRENGTH: 7,600 psi @ ASTM D638 ULTIMATE ELONGATION: 4.1% GARDNER VARIABLE IMPACTOR: 50 in. lb. direct - passed</p>	<p>HARDNESS: Shore D = 81 CURE SCHEDULE: (70 DEGREES F) Pot life - 1 ½ gal volume 25-35 minutes Tack free (dry to touch) 7-9 hours Recoat or topcoat 12-16 hours Light foot traffic 16-18 hours Full cure (heavy traffic) 2-7 days APPLICATION TEMPERATURE: 55-90 degrees F 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>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: Recommended CFS-Clear Epoxy Binder</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	10% HCl (aq)	C	5% acetic acid	B
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																										
10% HCl (aq)	C																										
5% acetic acid	B																										
<p>LIMITATIONS:</p> <ul style="list-style-type: none"> *Color stability or gloss may be affected by environmental conditions such as high humidity, chemical exposure, UV exposure or exposure to lighting such as sodium vapor lights. *This product is not UV color stable but has very good UV resistance for an epoxy product. Clear aliphatic urethane topcoats can further reduce UV light color changes. *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. *Apply a suitable primer before using this product. *Physical properties are typical values and not specifications. 																											

