



**CONCRETE
FLOOR
SOLUTIONS**

TECHNICAL DATA SHEET CFS-HIGH PERFORMANCE EPOXY TOP COAT

PRODUCT DESCRIPTION: CFS-High Performance Epoxy Top Coat is a two component 97% solids epoxy colored coating designed for applications where a high build chemical resistant floor and extreme durability is needed.

RECOMMENDED FOR: Recommended for a high build top coat on concrete or masonry.

<p>SOLIDS BY WEIGHT: 97% (+/-1%) SOLIDS BY VOLUME: 96% (+/-1%) COLORS AVAILABLE: Amber clear VOLATILE ORGANIC CONTENT: Less than 34 g/l STANDARD COLORS: White, off white, light gray, medium gray, tile red, beige RECOMMENDED FILM THICKNESS: 10-30 mils COVERAGE PER GALLON: 166 sq.ft. @10mils - 83 sq.ft. @ 20mils - 55 sq.ft. @ 30mils PACKAGING INFORMATION: 1 quart, 1-½ gallon, 3 gallon, 15 gallon MIX RATIO: (1 gallon) part A to (.50 gallons) part B (volumes approx.) (standard colors) SHELF LIFE: 1 year in unopened containers FINISH CHARACTERISTICS: Gloss (80-105 at 60 degrees @ glossmeter) ABRASION RESISTANCE: Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 19 mg loss ADHESION: 420 psi @ elcometer (concrete failure, no delamination) VISCOSITY: Mixed = 1500-1700 cps (typical, most colors) DOT CLASSIFICATIONS: Part A "Not Regulated" Part B (CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII" FLEXURAL STRENGTH: 11,700 psi @ ASTM D790 COMPRESSIVE STRENGTH: 13,600 psi @ ASTM D695 TENSILE STRENGTH: 7,900 psi @ ASTM D638 GARDNER VARIABLE IMPACTOR: 40 inch pounds direct - passed ULTIMATE ELONGATION: 1.7%</p>	<p>HARDNESS: Shore D = 90 CURE SCHEDULE: (70 Degrees F) Pot life - 1 ½ gallon volume 23-33 minutes Tack free (dry to touch) 5-7 hours Recoat or Topcoat 8-14 hours Light foot traffic 14-18 hours Full cure (heavy traffic) 2-7 days APPLICATION TEMPERATURE: 50-90 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>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>E</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: CFS-Low Viscosity Epoxy Primer TOPCOAT: No top coat necessary.</p>	REAGENT	RATING	Xylene	C	1,1,1 trichloroethane	B	MEK	A	Methanol	A	Ethyl alcohol	C	Skydrol	B	10% sodium hydroxide	E	50% sodium hydroxide	E	10% sulfuric acid	C	70% sulfuric acid	A	10% HCl (aq)	C	5% acetic acid	B
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LIMITATIONS:																											
<ul style="list-style-type: none"> *Color stability or gloss may be affected by environmental conditions such as high humidity or chemical Exposure. *Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job. *This product is not UV color stable and will discolor when exposed to UV light or some other forms as lighting such as sodium vapor lights. *This product should not be topcoated. *When applying coatings that are light in color or bright, additional coats of this product or an appropriately colored primer may be necessary. *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 CFS-Low Viscosity Epoxy Primer before using this product. *Improper mixing may result in product failure. *Physical properties are typical values and not specifications. 																											