



**CONCRETE
FLOOR
SOLUTIONS**

TECHNICAL DATA SHEET CFS-INTERMEDIATE COAT

PRODUCT DESCRIPTION: CFS-Intermediate Coat is a two component 100% (+/- 1%) solids epoxy colored coating designed for applications where high build colorfast impact resistant floor is needed.

RECOMMENDED FOR: Recommended for a high build intermediate coat, with optional flakes, on concrete or masonry. Product is suitable in many chemical exposure environments.

<p>SOLIDS BY WEIGHT: 100% (+/- 1%) SOLIDS BY VOLUME: 100% (+/- 1%) VOLATILE ORGANIC CONTENT: Less than 2 g/l STANDARD COLORS: White, off white, light gray, medium gray, tile red, beige RECOMMENDED FILM THICKNESS: 10-30 mils COVERAGE PER GALLON: 53-166 sq. ft. per gallon @ 10-30 mils PACKAGING INFORMATION: 3 gallon (2.9 – 3.0 gallons net approximately) 15 gallon (14 – 15 gallons net approximately) MIX RATIO: 12 pounds (1 gallon) part A to 4.15 pounds (.50 gallons) part B (volumes approx.) (standard colors) SHELF LIFE: 1 year in unopened containers FINISH CHARACTERISTICS: Gloss (70-95 at 60 degrees @ glossmeter) ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 32 mg loss FLEXURAL STRENGTH: 5,400 psi @ ASTM D790 COMPRESSIVE STRENGTH: 9,100 psi @ ASTM D695 – 1/2" by 1/2" bars ADHESION: 450 psi @ elcometer (concrete failure, no delamination) VISCOSITY: Mixed = 1300-2300 cps (typical, most colors) DOT CLASSIFICATIONS: Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII" TENSILE STRENGTH: 4,800 psi @ ASTM D638 ULTIMATE ELONGATION: 3.1%</p>	<p>GARDNER VARIABLE IMPACTOR: 50 inch pounds direct – passed HARDNESS: Shore D = 80 CURE SCHEDULE: (70 DEGREES F) Pot life – 1 1/2 gallon volume 30-50 minutes Tack free (dry to touch) 5-8 hours Recoat or topcoat 8-12 hours Light foot traffic 12-14 hours Full cure (heavy traffic) 2-7 days APPLICATION TEMPERATURE: 60-90 degrees F with relative humidity below 85% CHEMICAL RESISTANCE:</p> <table><thead><tr><th>REAGENT</th><th>RATING</th></tr></thead><tbody><tr><td>Xylene</td><td>C</td></tr><tr><td>Trichloroethylene</td><td>B</td></tr><tr><td>Methanol</td><td>A</td></tr><tr><td>Ethyl alcohol</td><td>B</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: Recommended CFS-Low Viscosity Primer or other suitable primer coats. TOPCOAT: Optional – CFS-urethanes can be used for increased chemical resistance or increased UV stability.</p>	REAGENT	RATING	Xylene	C	Trichloroethylene	B	Methanol	A	Ethyl alcohol	B	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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<p>LIMITATIONS:</p> <ul style="list-style-type: none">*Color stability or gloss may be affected by environmental conditions such as high humidity, low temperatures, chemical exposure or exposure to certain types of lighting such as sodium vapor lights.*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 may discolor when exposed to UV lighting. Otherwise, the color stability of this product is good. Therefore, a topcoat CFS-High Performance Urethane is optional and dependent on the environment.*Light or bright colors may require a suitable primer or topcoat to achieve a satisfactory hide. Substrate temperature must be 5°F above dew point*All new concrete must be cured for at least 30 days prior to application.*Apply a suitable primer before using this product as a coating.*Physical properties are typical values and not specifications.																									

