



TECHNICAL DATA SHEET

CFS-EZ URETHANE TOPCOAT

PRODUCT DESCRIPTION: CFS-EZ Urethane Topcoat is a one component moisture cured polyurethane (HDI based) floor coating/sealer that exhibits superior characteristics for abrasion resistance and chemical resistance. This product has good UV stability.

RECOMMENDED FOR: Recommended for showrooms, warehouses, laboratories, cafeterias and most indoor chemical exposure areas with regard to concrete or cement.

<p>SOLIDS BY WEIGHT: 65% (+/- 3%) SOLIDS BY VOLUME: 60% (+/- 3%) VOLATILE ORGANIC CONTENT: Less than 329 g/l COLOR: Clear (gardner 1) RECOMMENDED FILM THICKNESS: 2-5 mils per coat wet thickness COVERAGE PER GALLON: 300-500 sq. ft. @ 2-5 mils wet thickness PACKAGING INFORMATION: 1 quart, 1 gallon, 5 gallon MIX RATIO: One component product SHELF LIFE: 3 months in unopened containers FINISH CHARACTERISTICS: High gloss (> 70 at 60 degrees) ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 4.4 mg loss IMPACT RESISTANCE: Gardner impact, direct and reverse = 100 in. lb. (passed) HARDNESS: 2H FLEXIBILITY: No cracks on a 1/8" mandrel ADHESION: 360 psi @ elcometer (concrete failure, no delamination) (applied over NP154 clear primer) VISCOSITY: Less than 200 cps (typical) DOT CLASSIFICATION: "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"</p>	<p>CURE SCHEDULE: (70 DEGREES F)</p> <table style="width: 100%; border: none;"> <tr> <td>Pot life (1 gallon volume)</td> <td style="text-align: right;">3-5 hours</td> </tr> <tr> <td>Tact free (dry to touch)</td> <td style="text-align: right;">4-7 hours</td> </tr> <tr> <td>Recoat or topcoat</td> <td style="text-align: right;">9-13 hours</td> </tr> <tr> <td>Light foot traffic</td> <td style="text-align: right;">13-24 hours</td> </tr> <tr> <td>Full cure (heavy traffic)</td> <td style="text-align: right;">3-5 days</td> </tr> </table> <p>APPLICATION TEMPERATURE: 50-90 degrees F with relative humidity between 60-90%</p> <p style="text-align: center;">CHEMICAL RESISTANCE:</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">REAGENT</th> <th style="text-align: left;">RATING</th> </tr> </thead> <tbody> <tr> <td>Acetic acid 5%</td> <td>C</td> </tr> <tr> <td>Xylene</td> <td>E</td> </tr> <tr> <td>MEK</td> <td>B</td> </tr> <tr> <td>Methyl alcohol</td> <td>B</td> </tr> <tr> <td>Gasoline</td> <td>D</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</td> <td>D</td> </tr> <tr> <td>10% hydrochloric acid</td> <td>D</td> </tr> <tr> <td>20% nitric acid</td> <td>C</td> </tr> <tr> <td>Ethylene glycol</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. TOPCOAT: None recommended</p>	Pot life (1 gallon volume)	3-5 hours	Tact free (dry to touch)	4-7 hours	Recoat or topcoat	9-13 hours	Light foot traffic	13-24 hours	Full cure (heavy traffic)	3-5 days	REAGENT	RATING	Acetic acid 5%	C	Xylene	E	MEK	B	Methyl alcohol	B	Gasoline	D	10% sodium hydroxide	E	50% sodium hydroxide	D	10% sulfuric	D	10% hydrochloric acid	D	20% nitric acid	C	Ethylene glycol	D
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<p>LIMITATIONS:</p> <ul style="list-style-type: none"> *Clarity of color may be affected by high humidity, low temperatures, chemical exposure or exposure to lighting such as sodium vapor lights. *For best results use a high quality 1/4" nap roller. *Slab on grade requires moisture barrier. *Substrate temperature must be 5 degrees F above dew point. *All new concrete must be cured for at least 30 days prior to application. *Use a suitable primer. *If recoating after 24 hours, then the surface must be deglossed before the application. *The concrete and joints must be thoroughly dry prior to application. *Applying the product thicker than recommended may result in product failure. *Applications in direct sunlight, high humidity or high temperatures may cause surface curing before suitable air release has occurred. *Physical properties are typical values and not specifications. 																																			

