



TECHNICAL DATA SHEET

CFS-LOW GLOSS WATER BASED URETHANE

PRODUCT DESCRIPTION: CFS-Low Gloss Water Based Urethane is a two component low-gloss aliphatic polyurethane water based floor sealer that exhibits excellent characteristics for abrasion resistance, chemical resistance, and flexibility, weathering, and UV stability.

RECOMMENDED FOR: Recommended for top coating either solid color epoxy or metallic epoxy in auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, etc.

<p>SOLIDS BY WEIGHT: Mixed = 60%</p> <p>SOLIDS BY VOLUME: Mixed = 55%</p> <p>VOLATILE ORGANIC CONTENT: Less than 50 g/l</p> <p>STANDARD COLORS: Clear</p> <p>RECOMMENDED FILM THICKNESS: 3-5 mils per coat wet thickness (do not apply thicker)</p> <p>COVERAGE PER GALLON: 320-500 square feet @ 3-5 mils wet thickness</p> <p>PACKAGING INFORMATION: 1 quart, ¼ gallon, ½ gallon, 3 gallon, 15 gallon</p> <p>MIX RATIO: 2 parts A to 1 part B by volume</p> <p>SHELF LIFE: 3 months in unopened containers</p> <p>FINISH CHARACTERISTICS: low-gloss (<20 at 60 degrees @ glossmeter)</p> <p>IMPACT RESISTANCE: Gardner impact, direct & reverse = 160 in lb (passed)</p> <p>ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 23 mg loss</p> <p>ADHESION: >300 psi @ elcometer (concrete failure, no delamination) over suitable primer</p> <p>FLEXIBILITY: No cracks on a 1/8" mandrel</p> <p>VISCOSITY: Mixed = 450-650 cps (typical)</p> <p>DOT CLASSIFICATIONS: Part A "not regulated" Part B "not regulated"</p> <p>PRIMER: N/A used as top coat for CFS-Epoxy Intermediate Coat or CFS-Metallic Epoxy</p>	<p>CURE SCHEDULE: (70 DEGREES F)</p> <table style="width: 100%; border: none;"> <tr> <td>Pot life - 150 gram mass</td> <td style="text-align: right;">minimum 1 hour</td> </tr> <tr> <td>Tack free (dry to touch)</td> <td style="text-align: right;">7-9 hours</td> </tr> <tr> <td>Recoat or topcoat</td> <td style="text-align: right;">8-12 hours</td> </tr> <tr> <td>Light foot traffic</td> <td style="text-align: right;">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: 60-90 degrees F with relative humidity between 50-90%</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>D</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.</p>	Pot life - 150 gram mass	minimum 1 hour	Tack free (dry to touch)	7-9 hours	Recoat or topcoat	8-12 hours	Light foot traffic	24 hours	Full cure (heavy traffic)	3-5 days	REAGENT	RATING	Acetic acid 5%	C	Xylene	D	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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LIMITATIONS:

- *After the product is mixed, air contact may cause the material to skim off if left uncovered.
- *Colors or gloss may be affected by high humidity, low temperatures, or chemical exposure.
- *For best results, apply with a 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.
- *Physical properties are typical values and not specifications.
- *Some soft compound tire contact may cause staining and discoloration.
- *Lights like sodium vapor lights can cause discoloration.
- *Always apply a suitable test to determine suitability and performance requirements before using.
- *If not stored at room temperature before use, roller marks or color imperfections may be noticeable.
- *Some roller markings may be noticeable for late roller tie-ins.