



TECHNICAL DATA SHEET

CFS-HIGH PERFORMANCE

URETHANE SEMI-GLOSS

PRODUCT DESCRIPTION: CFS-High Performance Urethane Semi-Gloss is a two component (semi-gloss) aliphatic polyurethane floor sealer that exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering, and UV stability.

RECOMMENDED FOR: Recommended for auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, exterior tanks, indoor or outdoor service and chemical exposure areas.

<p>SOLIDS BY WEIGHT: Mixed = 65% (colors); 58% (clear) (+/- 2%)</p> <p>SOLIDS BY VOLUME: Mixed = 56% (colors); 54% (clear) (+/- 2%)</p> <p>VOLATILE ORGANIC CONTENT: Part A = 4.3#/gal (colors); 4.5#/gal (clear) Part B = 2.20#/gal VOC mixed (clear <448 g/l) (color <431 g/l)</p> <p>STANDARD COLORS: White, off white, light gray, medium gray, beige, clear. (clear should not be used over colors)</p> <p>RECOMMENDED FILM THICKNESS: 3-5 mils per coat wet thickness (do not apply thicker)</p> <p>COVERAGE PER GALLON: 320 to 500 sq.ft. @ 5-6 mils wet thickness</p> <p>PACKAGING INFORMATION: 3 gallon, 15 gallon (volumes approx.)</p> <p>MIX RATIO: 2 parts A to 1 part B by volume</p> <p>SHELF LIFE: 1 year in unopened containers</p> <p>FINISH CHARACTERISTICS: semi-gloss (<70 at 60 degrees @ glossmeter)</p> <p>IMPACT RESISTANCE: Gardner impact, direct and reverse = 160 in lb (passed)</p> <p>ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 21 mg loss</p> <p>ADHESION: 360 psi @ elcometer (concrete failure, no delamination)</p> <p>DOT CLASSIFICATION: Part A "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII" Part B "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"</p> <p>VISCOSITY: Mixed = 450-650 cps typical</p>	<p>HARDNESS: Shore D = 72</p> <p>FLEXIBILITY: No cracks on a 1/8" mandrel</p> <p>CURE SCHEDULE: (70 DEGREES F)</p> <table style="width: 100%; border: none;"> <tr> <td>Pot life (1 1/2 gallon volume)</td> <td style="text-align: right;">3-5 hours</td> </tr> <tr> <td>Tack free (dry to touch)</td> <td style="text-align: right;">2-4 hours</td> </tr> <tr> <td>Recoat or topcoat</td> <td style="text-align: right;">4-8 hours</td> </tr> <tr> <td>Light foot traffic</td> <td style="text-align: right;">14-24 hours</td> </tr> <tr> <td>Full cure (heavy traffic)</td> <td style="text-align: right;">3-5 days</td> </tr> </table> <p>APPLICATION TEMPERATURE: 45-90 degrees F with relative humidity below 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> <p>PRIMER: N/A to be used as a high performance topcoat on CFS-Epoxy systems</p> <p>TOPCOAT: None recommended</p>	Pot life (1 1/2 gallon volume)	3-5 hours	Tack free (dry to touch)	2-4 hours	Recoat or topcoat	4-8 hours	Light foot traffic	14-24 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
Pot life (1 1/2 gallon volume)	3-5 hours																																		
Tack free (dry to touch)	2-4 hours																																		
Recoat or topcoat	4-8 hours																																		
Light foot traffic	14-24 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																																		

LIMITATIONS:

- *Colors or gloss may be affected by high humidity, low temperatures or chemical exposure.
- *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.
- *Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide.
- *Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
- *Tire contact may cause discoloration or staining.
- *Physical properties are typical values and not specifications.