



# TECHNICAL DATA SHEET

## CFS-CLEAR PRIME

**PRODUCT DESCRIPTION:** CFS-Clear Prime is a two component 96% solids epoxy that can be used as a primer with the CFS-1C Polyaspartic.

<p><b>SOLIDS BY WEIGHT:</b> 96.5%</p> <p><b>SOLIDS BY VOLUME:</b> 96%</p> <p><b>VOLATILE ORGANIC CONTENT:</b> Less than 36 g/l</p> <p><b>STANDARD COLORS:</b> Clear - gardner color 1-2</p> <p><b>RECOMMENDED FILM THICKNESS:</b> 12-18 mils</p> <p><b>COVERAGE PER GALLON:</b> 125-200 sq. ft. per gallon @ 10 mils</p> <p><b>PACKAGING INFORMATION:</b> 1 gallon, 2 gallon, 10 gallon</p> <p><b>MIX RATIO:</b> 9.35 pounds part A (1 gallon) to 7.9 pounds part B (1 gallon) (volumes approx.)</p> <p><b>SHELF LIFE:</b> 1 year in unopened containers</p> <p><b>FINISH CHARACTERISTICS:</b> Gloss (&gt;70-90 @ 60 degrees at glossmeter)</p> <p><b>ABRASION RESISTANCE:</b> Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 22 mg loss</p> <p><b>FLEXURAL STRENGTH:</b> 9,300 psi @ ASTM D790</p> <p><b>COMPRESSIVE STRENGTH:</b> 10,100 psi @ ASTM D695</p> <p><b>ADHESION:</b> 350 psi @ elcometer (concrete failure, no delamination)</p> <p><b>VISCOSITY:</b> Mixed = 800-2000 cps (typical)</p> <p><b>DOT CLASSIFICATIONS:</b> Part A “not regulated” Part B “CORROSIVE LIQUID N.O.N., 8, UNI1760, PGIII”</p> <p><b>TENSILE STRENGTH:</b> 5,200 psi @ ASTM D638</p> <p><b>ULTIMATE ELONGATION:</b> 4.2%</p> <p><b>GARDNER VARIABLE IMPACTOR:</b> 50 inch pounds direct - passed</p>	<p><b>HARDNESS:</b> Shore D = 73</p> <p><b>CURE SCHEDULE: (70 DEGREES F)</b></p> <table style="width: 100%; border: none;"> <tr> <td>Pot life - 1 gallon volume</td> <td style="text-align: right;">17-27 minutes</td> </tr> <tr> <td>Tack free (dry to touch)</td> <td style="text-align: right;">5-7 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;">14-16 hours</td> </tr> <tr> <td>Full cure (heavy traffic)</td> <td style="text-align: right;">2-7 days</td> </tr> </table> <p><b>APPLICATION TEMPERATURE:</b> 60-90 degrees F</p> <p style="text-align: center;"><b>CHEMICAL RESISTANCE:</b></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>Butanol</td><td>B</td></tr> <tr><td>Xylene</td><td>B</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>B</td></tr> <tr><td>Skydrol</td><td>B</td></tr> <tr><td>10% sodium hydroxide</td><td>D</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>B</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.</p>	Pot life - 1 gallon volume	17-27 minutes	Tack free (dry to touch)	5-7 hours	Recoat or topcoat	8-12 hours	Light foot traffic	14-16 hours	Full cure (heavy traffic)	2-7 days	REAGENT	RATING	Butanol	B	Xylene	B	1,1,1 trichloroethane	B	MEK	A	Methanol	A	Ethyl alcohol	B	Skydrol	B	10% sodium hydroxide	D	50% sodium hydroxide	D	10% sulfuric acid	C	70% sulfuric acid	A	10% HCl (aq)	B	5% acetic acid	B
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**LIMITATIONS:**

- \*Color or gloss may be affected by environmental conditions such as high humidity, chemical/UV exposure or lighting such as sodium vapor lights.
- \*This product is not UV color stable. Clear aliphatic urethane topcoats reduce (UV light) color changes.
- \*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.
- \*Physical properties are typical values and not specifications.