



# TECHNICAL DATA SHEET

## CFS-CLEAR METALLIC EPOXY

**PRODUCT DESCRIPTION:** CFS-Clear Metallic Epoxy is a two component 100% solids epoxy that can be used with metallic pigments to create unique artistic flooring designs that are “one of a kind.”

**RECOMMENDED FOR:** Recommended for warehouses, kitchens, basements, garages, restrooms, or any other interior space in which a decorative floor is desired.

<p><b>SOLIDS BY WEIGHT:</b> 100%</p> <p><b>SOLIDS BY VOLUME:</b> 100%</p> <p><b>VOLATILE ORGANIC CONTENT:</b> Less than 2 g/l</p> <p><b>STANDARD COLORS:</b> Clear - gardner color 1-2</p> <p><b>RECOMMENDED FILM THICKNESS:</b> 16-18 mils</p> <p><b>COVERAGE PER GALLON:</b> 90-100 sq. ft. per gallon @ 16-18 mils</p> <p><b>PACKAGING INFORMATION:</b> 1 quart, 1 ½ gallon, 3 gallon, 15 gallon</p> <p><b>MIX RATIO:</b> 9.0 pounds part A (.99 gallons) to 4.15 pounds part B (.49 gallons) (volumes approx.)</p> <p><b>SHELF LIFE:</b> 1 year in unopened containers</p> <p><b>FINISH CHARACTERISTICS:</b> Gloss (&gt;70 @ 60 degrees @ glossmeter)</p> <p><b>ABRASION RESISTANCE:</b> Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 36 mg loss</p> <p><b>FLEXURAL STRENGTH:</b> 7,400 psi @ ASTM D790</p> <p><b>COMPRESSIVE STRENGTH:</b> 11,200 psi @ ASTM D695</p> <p><b>ADHESION:</b> 350 psi @ elcometer (concrete failure, no delamination)</p> <p><b>VISCOSITY:</b> Mixed = &lt; 700 cps (typical)</p> <p><b>DOT CLASSIFICATIONS:</b> Part A “not regulated” Part B “CORROSIVE LIQUID N.O.S., 8, UNI1760, PGIII”</p> <p><b>TENSILE STRENGTH:</b> 7,600 psi @ ASTM D638</p> <p><b>ULTIMATE ELONGATION:</b> 4.1%</p> <p><b>GARDNER VARIABLE IMPACTOR:</b> 50 inch pounds direct - passed</p> <p><b>HARDNESS:</b> Shore D = 81</p>	<p><b>CURE SCHEDULE: (70 DEGREES F)</b></p> <table style="width: 100%; border: none;"> <tr> <td>Pot life - 1 ½ gallon volume</td> <td style="text-align: right;">20-30 mins</td> </tr> <tr> <td>Tack free (dry to touch)</td> <td style="text-align: right;">7-10 hours</td> </tr> <tr> <td>Recoat or topcoat</td> <td style="text-align: right;">12-18 hours</td> </tr> <tr> <td>Light foot traffic</td> <td style="text-align: right;">16-24 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> 55-90 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>C</td></tr> <tr><td>Xylene</td><td>C</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>C</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.</p> <p><b>PRIMER:</b> Recommended: CFS-Low Viscosity Primer</p> <p><b>TOPCOAT:</b> Optional - depending on the environment, an aliphatic urethane can provide additional chemical resistance and UV resistance. Discuss this topic with your sales representative.</p>	Pot life - 1 ½ gallon volume	20-30 mins	Tack free (dry to touch)	7-10 hours	Recoat or topcoat	12-18 hours	Light foot traffic	16-24 hours	Full cure (heavy traffic)	2-7 days	REAGENT	RATING	Butanol	C	Xylene	C	1,1,1 trichloroethane	B	MEK	A	Methanol	A	Ethyl alcohol	C	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><b>LIMITATIONS:</b></p> <ul style="list-style-type: none"> <li>*Color stability or gloss may be affected by environmental conditions such as high humidity, chemical exposure, UV exposure or exposure to lighting such as sodium vapor lights.</li> <li>*This product is not UV color stable. Clear aliphatic urethane topcoats reduce (UV light) color changes.</li> <li>*Substrate temperature must be 5 degrees F above dew point.</li> <li>*For best results, apply with a ¼” nap roller.</li> <li>*All new concrete must be cured for at least 30 days prior to application.</li> <li>*Apply a suitable primer before using this product.</li> <li>*Physical properties are typical values and not specifications.</li> </ul>																																							

