



TECHNICAL DATA SHEET CFS-CLEAR EPOXY BINDER

PRODUCT DESCRIPTION: CFS-Clear Epoxy Binder is a two component 100% solids epoxy that can be used either as a coating or filled with paint chips, marble chips and colored sand mixtures to provide an infinite array of color schemes or patterns.

RECOMMENDED FOR: Recommended for warehouses, kitchens, restrooms, and other areas where either a high build clear product is needed or where a decorative filled floor is desired.

<p>SOLIDS BY WEIGHT: 100%</p> <p>SOLIDS BY VOLUME: 100%</p> <p>VOLATILE ORGANIC CONTENT: Less than 2 g/l</p> <p>STANDARD COLORS: Clear - gardner color 1-2</p> <p>RECOMMENDED THICKNESS: 16-18 mils</p> <p>COVERAGE PER GALLON: 90-100 sq. ft. per gallon @ 16-18 mils</p> <p>PACKAGING INFORMATION: 1 quart, 1 ½ gallon, 3 gallon, 15 gallon</p> <p>MIX RATIO: 9 pounds part A (.99 gallons) to 4.15 part B (.49 gallons) (volumes approx.)</p> <p>SHELF LIFE: 1 year in unopened containers</p> <p>FINISH CHARACTERISTICS: Gloss (60-90 @ 60 degrees @ glossmeter)</p> <p>ABRASION RESISTANCE: Taber abraser CS-17 calibre wheel with 1000 gram total load and 500 cycles = 36 mg loss</p> <p>FLEXURAL STRENGTH: 7,400 psi @ ASTM D790</p> <p>COMPRESSIVE STRENGTH: 11,200 psi @ ASTM D695</p> <p>ADHESION: 350 psi @ elcometer (concrete failure, no delamination)</p> <p>VISCOSITY: Mixed = 700-1000 cps (typical)</p> <p>DOT CLASSIFICATIONS: Part A “not regulated” Part B “CORROSIVE LIQUID N.O.S., 8, UN11760, PGIII”</p> <p>TENSILE STRENGTH: 7,600 psi @ ASTM D638</p> <p>ULTIMATE ELONGATION: 4.1%</p> <p>GARDNER VARIABLE IMPACTOR: 50 inch pounds direct - passed</p>	<p>HARDNESS: Shore D = 81</p> <p>CURE SCHEDULE: (70 DEGREES F)</p> <table> <tr> <td>Pot life - 1½ gallon volume</td> <td>20-30 mins</td> </tr> <tr> <td>Tact free (dry to touch)</td> <td>6-8 hours</td> </tr> <tr> <td>Recoat or topcoat</td> <td>10-16 hours</td> </tr> <tr> <td>Light foot traffic</td> <td>14-18 hours</td> </tr> <tr> <td>Full cure (heavy traffic)</td> <td>2-7 days</td> </tr> </table> <p>APPLICATION TEMPERATURE: 55-90 degrees F</p> <p>CHEMICAL RESISTANCE:</p> <table> <thead> <tr> <th>REAGENT</th> <th>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>PRIMER: None required</p> <p>TOPCOAT: None required</p>	Pot life - 1½ gallon volume	20-30 mins	Tact free (dry to touch)	6-8 hours	Recoat or topcoat	10-16 hours	Light foot traffic	14-18 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
Pot life - 1½ gallon volume	20-30 mins																																						
Tact free (dry to touch)	6-8 hours																																						
Recoat or topcoat	10-16 hours																																						
Light foot traffic	14-18 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																																						

LIMITATIONS:

- *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.
- *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.