



TECHNICAL DATA SHEET

CFS-2C POLYASPARTIC

PRODUCT DESCRIPTION: CFS-2C Polyaspartic is a two component, very low odor, near zero VOC, 100% UV stable top coat. It exhibits excellent UV and chemical resistance. Easy to mix 1:1 ratio and long working time.

RECOMMENDED FOR: Primary applications include garages, warehouses, aircraft hangar floors, institutional facilities, manufacturing plants, factories, schools, containment areas, interior/exterior spaces.

ADVANTAGES: VOC compliant in all 50 states, superior chemical resistance, excellent UV and abrasion resistance, easy to mix 1:1 ratio by volume, long working time of 35-45 minutes, very little odor, can be used indoors, excellent bond strength to substrate or other solid coatings.

<p>SOLIDS BY WEIGHT: 100%</p> <p>SOLIDS BY VOLUME: 100%</p> <p>VOLATILE ORGANIC CONTENT: 28</p> <p>AVAILABLE COLOR: Clear</p> <p>PACKAGING INFORMATION: 1 gallon, 2 gallon, 10 gallon</p> <p>MIX RATIO: By volume A:B = 1:1 ratio</p> <p>SHELF LIFE: 1 year original unopened factory sealed containers stored in a cool, dry place out of direct sunlight.</p> <p>ABRASION RESISTANCE: ASTM D4060 taber abraser CS-17 calibre wheel with 1000 gram total load and 1000 cycles =30 mg loss</p> <p>FLEXIBILITY, 1/8" MANDREL, ASTM D1737: Pass</p> <p>ADHESION, ASTM D4541: >500 psi (substrate ruptures)</p> <p>VISCOSITY: Part A: 400-500, Part B: 150-180, Mix: 300-400</p> <p>POT LIFE (1 PINT): 40-50 minutes @ 77 degrees F</p> <p>SPECIFIC GRAVITY: Part A: 1.12-1.13, Part B: 1.13-1.14, Mix: 1.05-1.10</p> <p>WORKING TIME: 35-45 minutes</p> <p>WATER ABSORPTION, ASTM D570: 0.2%</p> <p>HARDNESS (SHORE D) ASTM D2240: 75-78</p> <p>GLOSS < ASTM D523: 95+</p> <p>TENSILE STRENGTH < ASTM D523: 7000-8000 psi</p> <p>COMPRESSIVE STRENGTH (PSI MPA) ASTM D695: 9000-10,000 (with flakes 12,200)</p> <p>ELONGATION AT BREAK < ASTM D638: 100-110%</p> <p>TEAR STRENGTH (PLI) < ASTM D2240: 350</p> <p>PRIMER: CFS-Clear Prime (+/-10 mils +/-166 sq.ft./gal)</p> <p>TOPCOAT: CFS-2C Polyaspartic (6-10 mils 150-350 sq.ft./gal)</p> <p>THINNER RECOMMENDED: Xylene</p>	<p>CURE SCHEDULE:</p> <table border="1"> <thead> <tr> <th>Substrate Temp.</th> <th>Foot Traffic</th> <th>Light Traffic</th> <th>Full Cure</th> </tr> </thead> <tbody> <tr> <td>50 degrees F</td> <td>3 days</td> <td>7 days</td> <td>10 days</td> </tr> <tr> <td>68 degrees F</td> <td>2 days</td> <td>3 days</td> <td>7 days</td> </tr> <tr> <td>86 degrees F</td> <td>1 day</td> <td>3 days</td> <td>5 days</td> </tr> </tbody> </table> <p>APPLICATION TEMPERATURE: 60-100 degrees F with relative humidity below 85%</p> <p>CHEMICAL RESISTANCE:</p> <table border="1"> <thead> <tr> <th>REAGENT</th> <th>RATING</th> </tr> </thead> <tbody> <tr><td>Acetic Acid 100%</td><td>C</td></tr> <tr><td>Ammonium Hydroxide 50%</td><td>RC</td></tr> <tr><td>Diesel Fuel</td><td>RC</td></tr> <tr><td>Gasoline</td><td>RC</td></tr> <tr><td>Hydrochloric Acid 20%</td><td>R</td></tr> <tr><td>Hydrochloric Acid 10%</td><td>NR</td></tr> <tr><td>Hydraulic Fluid (Oil)</td><td>RC</td></tr> <tr><td>Isopropyl Alcohol</td><td>R</td></tr> <tr><td>MEK</td><td>RC</td></tr> <tr><td>Methanol</td><td>R</td></tr> <tr><td>Mineral Spirits</td><td>RC</td></tr> <tr><td>Motor Oil</td><td>R</td></tr> <tr><td>Muriatic Acid 10%</td><td>R</td></tr> <tr><td>Nitric Acid 20%</td><td>R</td></tr> <tr><td>Phosphoric Acid 50%</td><td>NR</td></tr> <tr><td>Potassium Hydroxide 10%</td><td>R</td></tr> <tr><td>Potassium Hydroxide 20%</td><td>R,DIS</td></tr> <tr><td>Skydrol</td><td>C</td></tr> <tr><td>Sodium Hydroxide 25%</td><td>R</td></tr> <tr><td>Sodium Hydroxide 50%</td><td>R,DIS</td></tr> <tr><td>Sulfuric Acid 10%</td><td>R</td></tr> <tr><td>Sulfuric Acid >50%</td><td>RC</td></tr> <tr><td>1,1,1-Trichloroethane</td><td>C</td></tr> <tr><td>Xylene</td><td>RC</td></tr> </tbody> </table> <p>Rating key: R= recommended/little or no visible damage, RC= recommended conditional/some effect, swelling or discoloration, C= conditional/cracking wash within one hour of spillage to avoid affects, NR= not recommended, DIS=discoloration</p>	Substrate Temp.	Foot Traffic	Light Traffic	Full Cure	50 degrees F	3 days	7 days	10 days	68 degrees F	2 days	3 days	7 days	86 degrees F	1 day	3 days	5 days	REAGENT	RATING	Acetic Acid 100%	C	Ammonium Hydroxide 50%	RC	Diesel Fuel	RC	Gasoline	RC	Hydrochloric Acid 20%	R	Hydrochloric Acid 10%	NR	Hydraulic Fluid (Oil)	RC	Isopropyl Alcohol	R	MEK	RC	Methanol	R	Mineral Spirits	RC	Motor Oil	R	Muriatic Acid 10%	R	Nitric Acid 20%	R	Phosphoric Acid 50%	NR	Potassium Hydroxide 10%	R	Potassium Hydroxide 20%	R,DIS	Skydrol	C	Sodium Hydroxide 25%	R	Sodium Hydroxide 50%	R,DIS	Sulfuric Acid 10%	R	Sulfuric Acid >50%	RC	1,1,1-Trichloroethane	C	Xylene	RC
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RECOAT:	Substrate Temperature	Minimum	Maximum
	50 degrees F	24 hours	48 hours
	68 degrees F	6 hours	12 hours
	86 degrees F	4 hours	8 hours

LIMITATIONS:

- *Minimum/maximum temperature of substrate 59-86 degrees F.
- *Maximum relative humidity during application 85%.
- *Humidity content of substrate must be <4% when coating is applied.
- *Do not apply on damp surfaces or where high humidity may occur during application.
- *Protect from water exposure for a 24 hour period.