



# TECHNICAL DATA SHEET

## CFS-VERTICAL EPOXY PRIMER

**PRODUCT DESCRIPTION:** CFS-Vertical Epoxy Primer is a two component water based epoxy coating that exhibits chemical resistance and abrasion resistance rivaling solvent based products. This product was specifically designed for vertical applications up to 8 mils per coat without sagging.

**RECOMMENDED FOR:** Recommended for priming or coating concrete, wood and masonry.

<p><b>SOLIDS BY WEIGHT:</b> 60% (+/- 2%)  <b>SOLIDS BY VOLUME:</b> 46% (+/- 2%)  <b>VOLATILE ORGANIC CONTENT:</b> The mixed VOC = .7 pounds per gallon (regulatory VOC = 135 g/l)  <b>STANDARD COLORS:</b>  Off white, light gray, medium gray, tile red  <b>RECOMMENDED FILM THICKNESS:</b>  6-8 mils per coat wet thickness (yields 3-4 mils dry)  <b>COVERAGE PER GALLON:</b>  200-267 sq. ft. @ 6-8 mils wet thickness  <b>PACKAGING INFORMATION:</b> 2 gallon = 19.8 pounds net (ie 1.94 gallons total volume) 2 gallon consists of two pre-measured part A's in gallon cans and two pre-measured part B's in quart cans. Other package sizes are available.  <b>MIX RATIO:</b> 0.75 gallons part A per 0.22 gallons part B by volume (8 pounds part A per 1.9 pounds part B by weight)  <b>SHELF LIFE:</b> 1 year in unopened containers  <b>FINISH CHARACTERISTICS:</b>  Low satin gloss (5-15 at 60 degrees @ glossmeter)  <b>ABRASION RESISTANCE:</b> Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 56 mg loss  <b>ADHESION:</b>  425 psi @ elcometer (concrete failure, no delamination)  <b>IMPACT RESISTANCE:</b>  Gardner impact, direct = 50 in. lb. (passed)  <b>FLEXIBILITY:</b> No cracks on a 1/8" mandrel  <b>VISCOSITY:</b> Mixed = 1,500-2,500 cps (typical)  <b>DOT CLASSIFICATIONS:</b> Not regulated</p>	<p><b>CURE SCHEDULE:</b></p> <table style="width: 100%; border: none;"> <tr> <td>Pot life - 1 gal volume</td> <td style="text-align: right;">1-1 ½ hours</td> </tr> <tr> <td>Tack free (dry to touch)</td> <td style="text-align: right;">5-8 hours</td> </tr> <tr> <td>Recoat or topcoat</td> <td style="text-align: right;">7-10 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 with relative humidity below 75%</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>Acetic acid 5%</td> <td>B</td> </tr> <tr> <td>Xylene</td> <td>B</td> </tr> <tr> <td>Mek</td> <td>A</td> </tr> <tr> <td>Gasoline</td> <td>B</td> </tr> <tr> <td>10% sodium hydroxide</td> <td>C</td> </tr> <tr> <td>50% sodium hydroxide</td> <td>B</td> </tr> <tr> <td>10% sulfuric</td> <td>B</td> </tr> <tr> <td>10% hydrochloric acid</td> <td>B</td> </tr> <tr> <td>20% nitric acid</td> <td>A</td> </tr> <tr> <td>Ethylene glycol</td> <td>C</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.  <b>PRIMER:</b> None needed  <b>TOPCOAT:</b> CFS-Vertical Epoxy Top Coat</p>	Pot life - 1 gal volume	1-1 ½ hours	Tack free (dry to touch)	5-8 hours	Recoat or topcoat	7-10 hours	Light foot traffic	16-24 hours	Full cure (heavy traffic)	2-7 days	REAGENT	RATING	Acetic acid 5%	B	Xylene	B	Mek	A	Gasoline	B	10% sodium hydroxide	C	50% sodium hydroxide	B	10% sulfuric	B	10% hydrochloric acid	B	20% nitric acid	A	Ethylene glycol	C
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<p><b>LIMITATIONS:</b></p> <ul style="list-style-type: none"> <li>*Color or gloss may be affected by humidity, low temperatures, chemical exposure or sodium vapor lighting.</li> <li>*Product will yellow in the presence of UV light.</li> <li>*For best results, use a 1/4" nap roller.</li> <li>*Slab on grade requires moisture barrier.</li> <li>*Substrate temperature must be 5 degrees F above dew point.</li> <li>*All new concrete must be cured for at least 30 days.</li> <li>*Product color will vary from batch to batch. Use only product from the same batch for an entire job.</li> <li>*Improper mixing or too thick of an application may result in product failure.</li> <li>*Light or bright colors (white, safety yellow, etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate.</li> <li>*Physical properties listed are typical values and not specifications.</li> </ul>																																	