



**CONCRETE
FLOOR
SOLUTIONS**

TECHNICAL DATA SHEET CFS-POLY PRIME FLEXIBLE PRIMER FOR ONE DAY FLAKE FLOORS

PRODUCT DESCRIPTION: CFS-Poly Prime is a two component, fast curing, high solids Low VOC flexible polymer system designed to be used as a primer/basecoat for full flake flooring applications. CFS-Poly Prime combines quick tack free times with ample working time to create a product which makes 1-day flooring a reality. Designed for contractor installation.

<p>SOLIDS BY WEIGHT: 99%</p> <p>VOLATILE ORGANIC CONTENT: 11 g/l</p> <p>AVAILABLE COLORS: Gray/Beige/Black</p> <p>RECOMMENDED THICKNESS: 8-16 mils</p> <p>COVERAGE: +/- 166 sq. ft. per gallon @ 10 mils (depending on concrete porosity)</p> <p>PACKAGING: 1 ¼ gallon, 2 ½ gallon, 5 gallon</p> <p>MIX RATIO: 4 to 1 by volume</p> <p>SHELF LIFE: 6 months in unopened containers properly stored at normal room temperature. (Mix before use)</p> <p>HARDNESS: 20-30 Shore D typical</p> <p>TENSILE STRENGTH: 1,200 psi</p> <p>ELONGATION (Estimated): 50-100%</p> <p>IMPACT RESISTANCE: Excellent</p> <p>ABRASION RESISTANCE: 20 mg loss with a 1000 gram total load at 1000 revolutions with a CS17 wheel</p> <p>ADHESION: 370 psi (elcometer) - no delamination/concrete failure</p> <p>VISCOSITY: Mixed = +/- 500 cps (typical)</p> <p>DOT CLASSIFICATIONS: Part A “Not Regulated” Part B “Not Regulated”</p> <p>PRIMER: None necessary</p> <p>TOPCOAT: It is recommended to use a top coat with good UV stability such as CFS-High Performance Urethane or CFS-1C Polyaspartic.</p>	<p>CURE SCHEDULE: (70 DEGREES F)</p> <table style="width: 100%; border: none;"> <tr> <td>Pot Life (150 gram mass)</td> <td style="text-align: right;">15-25 minutes</td> </tr> <tr> <td>Recoat or topcoat</td> <td style="text-align: right;">3-6 hours</td> </tr> <tr> <td>Light foot traffic</td> <td style="text-align: right;">8-12 hours</td> </tr> <tr> <td>Full cure (heavy traffic)</td> <td style="text-align: right;">3-5 days</td> </tr> </table> <p>APPLICATION TEMPERATURE: 40-90 degrees F with relative humidity below 90%</p> <p style="text-align: center;">CHEMICAL RESISTANCE:</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>Xylene</td><td>C</td></tr> <tr><td>1,1,1 Trichloroethane</td><td>B</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>D</td></tr> <tr><td>50% Sodium hydroxide</td><td>D</td></tr> <tr><td>10% Sulfuric Acid</td><td>B</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>	Pot Life (150 gram mass)	15-25 minutes	Recoat or topcoat	3-6 hours	Light foot traffic	8-12 hours	Full cure (heavy traffic)	3-5 days	REAGENT	RATING	Xylene	C	1,1,1 Trichloroethane	B	Methanol	A	Ethyl Alcohol	C	Skydrol	B	10% Sodium hydroxide	D	50% Sodium hydroxide	D	10% Sulfuric Acid	B	70% Sulfuric Acid	A	10% HCl (aq)	C	5% Acetic Acid	B
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<p>LIMITATIONS:</p> <ul style="list-style-type: none"> *Product is not UV color stable, so full flake is recommended. *Color stability may also be affected by environmental conditions such as high humidity, chemical exposure, or exposure to certain types of light such as sodium vapor lighting. *This product’s intended use is as a flexible protective membrane and not as a finish coat. Some surface irregularities may develop concerning color or texture. Colors may vary from batch to batch. *Gray and Beige color is not from our standard color chart. *Substrate temperature must be 5 degrees F above dew point. *All new concrete must be cured for at least 30 days prior to application. *This product must be mixed well. *Physical properties are typical values and not specifications. 																																	