

# Corro-Coat FC 2100 Fast Epoxy TECHNICAL DATA

## SOLVENT-FREE EPOXY COATING SYSTEM

Mix and Match Corro-Coat FC 2100 Bases and Curing Agents

<p>Protective Coating Top Coat Corrosion Protection Apply/Cures Underwater</p>	<p>Solvent-Free High Build Non-Sag Formulation Excellent Chemical and Abrasion Resistance Easy 2:1 Mixing Ratio Feldspar Ceramic and Kevlar™ Reinforced</p>
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STANDARD PRODUCT  DESCRIPTION	<p>Corro Coat FC 2100 Fast is a 100% solids, next generation, epoxy coating featuring excellent chemical and abrasion resistance, high build tile like glaze finish that will withstand severe abuse. Can be applied to surfaces above and below the water line and is suitable for use in temperatures from 65°F down to 38°F. Corro Coat FC 2100 Fast bonds to cold concrete (wet and dry), fiberglass, steel and wood surfaces. Novalac and thicker (nonhazmat) versions available. High temperature (hazmat) version is also available.</p>
USES	<p>Excellent for use in temperatures as low as 38°F. Most corrosive environments Marine, chemical, pulp and paper Spillways, piping, pilings, columns Excellent as a finish top coat</p>
FEATURES	<p>Solvent-Free High Gloss Convenient 2 to 1 ratio by volume Non-blushing and non-water spotting Non-corrosive and Non-hazmat Kevlar™ microfibers reinforce against hairline cracking and chipping Feldspar (ceramic plates/needles) provides extreme abrasive resistance</p>
VISCOSITY	<p>Viscosity at 72°F: Part A: 25,000 cps Part B: 100 cps Mixed: 1,000 cps</p>
PHYSICAL PROPERTIES	<p>COLOR ..... Light gray, other colors in 15 gallon units COMPRESSIVE STRENGTH ..... ASTM D695 ..... 12,000 psi TENSILE STRENGTH ..... ASTM D638 ..... 5,500 psi ELONGATION AT BREAK ..... 30 % ABRASION RESISTANCE ..... CS-17 WHEEL, 1 kg LOAD ..... ASTM D4060 ..... 0.14 gm loss WATER ABSORPTION ..... ASTM D570 ..... 0.09 % (2 hour boil) FLEXURAL STRENGTH ..... ASTM D790 ..... 6,900 psi SHORE D HARDNESS ..... ASTM D2240 ..... 89-90 HEAT DISTORTION ..... ASTM D649 ..... 140° F TEMPERATURE BOND STRENGTH TO: Concrete ..... 100 % concrete failure FILM THICKNESS ..... 10-35 mils (average: 100 sq. ft./gallon @ 16 mils)</p>

MULTI-VENDOR EPOXY SOLUTIONS

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<b>CURE SCHEDULE</b>	POT LIFE @ 55°F ..... approx. 45 minutes FULL CURE @ 55°F ..... 8 hours																																																																
<b>CHEMICAL RESISTANCE</b> (splash & spill)	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">REAGENT ACIDS</th> <th style="text-align: left;">RATING</th> <th style="text-align: left;">REAGENT ALKALIES</th> <th style="text-align: left;">RATING</th> </tr> </thead> <tbody> <tr> <td>Acetic 1-20%</td> <td>excellent</td> <td>Ammonium Hydroxide All</td> <td>excellent</td> </tr> <tr> <td>Chromic 1-10%</td> <td>excellent</td> <td>Calcium Chloride All</td> <td>excellent</td> </tr> <tr> <td>Citric All</td> <td>excellent</td> <td>Calcium Hypochlorite 1-15%</td> <td>excellent</td> </tr> <tr> <td>Hydrochloric All</td> <td>excellent</td> <td>Caustic Soda</td> <td>excellent</td> </tr> <tr> <td>Lactic 1-50%</td> <td>excellent</td> <td>Caustic Potash</td> <td>excellent</td> </tr> <tr> <td>Nitric 1-20%</td> <td>excellent</td> <td>Sodium Hydroxide All</td> <td>excellent</td> </tr> <tr> <td>Oxalic 1-20%</td> <td>excellent</td> <td>Sodium Sulfide 1-30%</td> <td>excellent</td> </tr> <tr> <td>Phosphoric All</td> <td>excellent</td> <td>Skydrol® Fluids</td> <td>excellent</td> </tr> <tr> <td>Sulfuric All</td> <td>excellent</td> <td>Butyl Cellosolve</td> <td>excellent</td> </tr> <tr> <td>Bleach</td> <td>excellent</td> <td>Gasoline</td> <td>excellent</td> </tr> <tr> <td>Ethanol</td> <td>excellent</td> <td>Methanol</td> <td>excellent</td> </tr> <tr> <td>Jet fuels (JP-4-6)</td> <td>excellent</td> <td>Toluene</td> <td>excellent</td> </tr> <tr> <td>Methyl Ethyl Keytone</td> <td>excellent</td> <td>Xylene</td> <td>excellent</td> </tr> <tr> <td>Trichloroethane</td> <td>excellent</td> <td>Sewerage (gas &amp; solids)</td> <td>excellent</td> </tr> <tr> <td>Water All</td> <td>excellent</td> <td></td> <td></td> </tr> </tbody> </table>	REAGENT ACIDS	RATING	REAGENT ALKALIES	RATING	Acetic 1-20%	excellent	Ammonium Hydroxide All	excellent	Chromic 1-10%	excellent	Calcium Chloride All	excellent	Citric All	excellent	Calcium Hypochlorite 1-15%	excellent	Hydrochloric All	excellent	Caustic Soda	excellent	Lactic 1-50%	excellent	Caustic Potash	excellent	Nitric 1-20%	excellent	Sodium Hydroxide All	excellent	Oxalic 1-20%	excellent	Sodium Sulfide 1-30%	excellent	Phosphoric All	excellent	Skydrol® Fluids	excellent	Sulfuric All	excellent	Butyl Cellosolve	excellent	Bleach	excellent	Gasoline	excellent	Ethanol	excellent	Methanol	excellent	Jet fuels (JP-4-6)	excellent	Toluene	excellent	Methyl Ethyl Keytone	excellent	Xylene	excellent	Trichloroethane	excellent	Sewerage (gas & solids)	excellent	Water All	excellent		
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<b>APPLICATION</b>	<p>Surface to be topcoated must be clean and free of oils, grease and loose contamination. Mix Corro Coat FC 2100 Fast epoxy base with the Corro Coat FC 2100 Fast curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume. Corro Coat FC 2100 Fast does not require a 'sweat-in' or induction time and the mixed components should be used immediately.</p> <p>Potlife is approximately 45 minutes at 55°F, so mix only the amount of epoxy that can be easily applied within that time limit. Apply using a brush, roller (product is at the upper limits of rollability), or squeegee. This product can be thinned for improved rollability or thickened to paste like viscosity.</p>																																																																
<b>TEMPERATURE</b>	Corro Coat-FC2100 Fast may be applied in temperatures between 65°F and 38° F.																																																																
<b>TRANSPORT</b>	Corro-Coat FC2100 Fast is hazardous for shipping: UN2735, Packing Group III, Class 8, Corrosive.																																																																

**SAFETY:** This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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