

Corro-Coat FC 2100 Fast TM Epoxy TECHNICAL DATA

SOLVENT-FREE EPOXY COATING SYSTEM

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

Protective Coating
Top Coat
Corrosion Protection
Apply/Cures Underwater

Solvent-Free
High Build Non-Sag Formulation
Excellent Chemical and Abrasion Resistance
Easy 2:1 Mixing Ratio
Feldspar Ceramic and KevlarTM Reinforced

<p>STANDARD PRODUCT DESCRIPTION</p>	<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>
<p>USES</p>	<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>
<p>FEATURES</p>	<p>Solvent-Free High Gloss Convenient 2 to 1 ratio by volume Non-blushing and non-water spotting Non-corrosive and Non-hazmat KevlarTM microfibers reinforce against hairline cracking and chipping Feldspar (ceramic plates/needles) provides extreme abrasive resistance</p>
<p>VISCOSITY</p>	<p>Viscosity at 72°F: Part A: 25,000 cps Part B: 100 cps Mixed: 1,000 cps</p>
<p>PHYSICAL PROPERTIES</p>	<p>COLORLight gray, other colors in 15 gallon units COMPRESSIVE STRENGTHASTM D695 12,000 psi TENSILE STRENGTHASTM D6385,500 psi ELONGATION AT BREAK.....30 % ABRASION RESISTANCE CS-17 WHEEL, 1 kg LOAD.....ASTM D4060.....0.14 gm loss WATER ABSORPTIONASTM D5700.09 % (2 hour boil) FLEXURAL STRENGTHASTM D7906,900 psi SHORE D HARDNESSASTM D2240.....89-90 HEAT DISTORTIONASTM D649 140° F TEMPERATURE BOND STRENGTH TO: Concrete..... 100 % concrete failure FILM THICKNESS.....10-35 mils (average: 100 sq. ft./gallon @ 16 mils)</p>

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CURE SCHEDULE	POT LIFE @ 55°F.....approx. 45 minutes FULL CURE @ 55°F 8 hours																																																																
CHEMICAL RESISTANCE (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</td> <td>All excellent</td> </tr> <tr> <td>Chromic 1-10%</td> <td>excellent</td> <td>Calcium Chloride</td> <td>All excellent</td> </tr> <tr> <td>Citric All</td> <td>excellent</td> <td>Calcium Hypochlorite</td> <td>1-15% 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</td> <td>All excellent</td> </tr> <tr> <td>Oxalic 1-20%</td> <td>excellent</td> <td>Sodium Sulfide</td> <td>1-30% excellent</td> </tr> <tr> <td>Phosphoric All</td> <td>excellent</td> <td></td> <td></td> </tr> <tr> <td>Sulfuric All</td> <td>excellent</td> <td>Skydrol® Fluids</td> <td>excellent</td> </tr> <tr> <td>Bleach</td> <td>excellent</td> <td>Butyl Cellosolve</td> <td>excellent</td> </tr> <tr> <td>Ethanol</td> <td>excellent</td> <td>Gasoline</td> <td>excellent</td> </tr> <tr> <td>Jet fuels (JP-4-6)</td> <td>excellent</td> <td>Methanol</td> <td>excellent</td> </tr> <tr> <td>Methyl Ethyl Keytone</td> <td>excellent</td> <td>Toluene</td> <td>excellent</td> </tr> <tr> <td>Trichloroethane</td> <td>excellent</td> <td>Xylene</td> <td>excellent</td> </tr> <tr> <td>Water All</td> <td>excellent</td> <td>Sewerage (gas & solids)</td> <td>excellent</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			Sulfuric All	excellent	Skydrol® Fluids	excellent	Bleach	excellent	Butyl Cellosolve	excellent	Ethanol	excellent	Gasoline	excellent	Jet fuels (JP-4-6)	excellent	Methanol	excellent	Methyl Ethyl Keytone	excellent	Toluene	excellent	Trichloroethane	excellent	Xylene	excellent	Water All	excellent	Sewerage (gas & solids)	excellent
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APPLICATION	<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.</p> <p>This product can be thinned for improved rollability or thickened to paste like viscosity.</p>																																																																
TEMPERATURE	Corro Coat-FC2100 Fast may be applied in temperatures between 65°F and 38° F.																																																																
TRANSPORT	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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