



<p>DESCRIPTION</p>	<p>TopCoat CRX is a high performance urethane elastomeric coating, specifically designed for environments that require resistance to high acid and alkali conditions. When fully cured, TopCoat CRX forms an extremely tough, abrasive resistant rubber coating, especially well-suited for applications requiring protection from impact, abrasion, or corrosion on metal, wood or concrete surfaces. TopCoat CRX surfaces provide an excellent non-slip surface in both wet and dry environment</p>																																
<p>FEATURES</p>	<p>Easy application: using a pressure pot and Binks 2001 spray gun. TopCoat CRX does not require a humidity controlled environment for application. U.V. stable - can be applied in almost any color (except white).</p> <p>TopCoat CRX has been successful at temperatures up to 180°F. Under wet or humid conditions at elevated temperatures TopCoat CRX is superior to most other urethanes. TopCoat CRX still remains flexible at temperatures as low as -27°F ASTM D 746.</p> <p>TopCoat CRX has excellent chemical resistance. Resistance to most water Acid and Alkali at room temperature is excellent, but resistance to organic solvents is generally poor. The table below gives an indication of resistance to some chemicals; however, users should conduct their own tests.</p> <table border="1" data-bbox="365 661 1520 968"> <thead> <tr> <th>Chemical</th> <th>Resistance</th> <th>Chemical</th> <th>Resistance</th> </tr> </thead> <tbody> <tr> <td>Chlorinated Pool Water</td> <td>E</td> <td>Sea Water</td> <td>E</td> </tr> <tr> <td>Nitric Acid, 30%</td> <td>F</td> <td>Toluene</td> <td>P</td> </tr> <tr> <td>Hydrochloric Acid , 35%</td> <td>F</td> <td>Methyl Ethyl Ketone</td> <td>P</td> </tr> <tr> <td>Sodium Hydroxide, 25%</td> <td>E</td> <td>Ammonia</td> <td>E</td> </tr> <tr> <td>Sulfuric Acid, 33.5%</td> <td>E</td> <td>Kerosene</td> <td>P</td> </tr> <tr> <td>Clorox</td> <td>E</td> <td>Gasoline</td> <td>P</td> </tr> <tr> <td>Hydrofluoric Acid, 48%</td> <td>F</td> <td>Diesel</td> <td>P</td> </tr> </tbody> </table> <p>G – Good E – Excellent F – Fair P - Poor</p>	Chemical	Resistance	Chemical	Resistance	Chlorinated Pool Water	E	Sea Water	E	Nitric Acid, 30%	F	Toluene	P	Hydrochloric Acid , 35%	F	Methyl Ethyl Ketone	P	Sodium Hydroxide, 25%	E	Ammonia	E	Sulfuric Acid, 33.5%	E	Kerosene	P	Clorox	E	Gasoline	P	Hydrofluoric Acid, 48%	F	Diesel	P
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<p>MIXING AND APPLICATION</p>	<p>SURFACE PREPARATION: TopCoat CRX should only be applied to surfaces that have been properly prepared and primed with Primer 460. Most common materials, such as steel, aluminum, fiber-glass, rubber, urethane, brick, concrete and wood can be coated with TopCoat CRX. To obtain maximum adhesion most substrates must be abraded, grit- blasted, or etched before applying Primer 460 and Topcoat CRX. New metal surfaces should be grit-blasted to SSPC-SP-10 "Near White Metal Blast" and should exhibit a 2 to 4 mil surface profile. Metallic substrates must always be dry and primed with Prime 460 before applying TopCoat CRX. Coverage rate per gallon at 100 sq. ft.: 10.10 dry mils per sq. ft.</p> <p>The liquid Components (A & B) should be conditioned to 70°F to 80°F before mixing.</p> <p>Topcoat CRX Component A becomes very viscose at temperatures lower than 70°F and makes mixing with the Component B difficult above 70°F.</p> <p>Topcoat CRX is supplied in premeasured one gallon kits. The Component A is packed in a one gallon can and the Component B in a one quart can. Add a complete tube of the SL pigment into the Component B and mix thoroughly. Pour the Component B / SL-pigment mixture into the component A and mix for one minute with an electric drill and "Jiffy" mixer". Mix on a medium speed where the liquid mixture is making a slight "cone" Do not "whip" in excess air in to the mixture. Place the mixer close to the bottom of the mixing can to ensure that all of the component A and component B are combined. Improper mixing can cause uncured "sticky" spots in the cured coating.</p> <p>Topcoat CRX may also be mixed at 3 Parts Component A to 1 Part Component B by weight or Volume. Do not use more than 6% of the SL-Pigment to the mixed volume of Component A and Component B.</p> <p>Vapors from TOPCOAT CRX contain isocyanates and solvents. Forced ventilation must be used for all indoor applications, in closed vessels or downstream from spray gun, fresh air breathing equipment should be worn. Chemical cartridge masks suitable for organic vapors may be used under some conditions with adequate ventilation. Protective clothing should be worn at all times. Both resin and curative components contain flammable solvents and should be protected from sparks and open flames. Avoid contact of components with skin and clothing as both resin and curative can cause skin and eye irritation.</p> <p>Disclaimer: The results presents here are based on controlled laboratories and should only be used as a general guide as results may vary depending on the individual application. It is mandatory that the user make the final determination of the fitness of this product for use in their individual applications. Industrial Polymers Corporation makes no warranty expressed or implied about the performance of this product.</p>																																



PHYSICAL PROPERTIES	Mix Ratio By weight	100 parts A/ 33.5 part B			
	Mix Ratio By volume	100 parts A/ 33 parts B			
	*Pigment: Use a maximum of 6% base of SL Pigments on total weight of mixture.				
	Viscosity @ 72°F (A Side)	28,094 CPS			
	Viscosity @ 72°F (B Side)	3 CPS			
	Viscosity @ 72°F (Mixed)	1,340 CPS			
	Color	Mixed:	Clear with 19 available colors		
	Working Life @ 72°F	45 minutes			
	Specific Gravity: (Part A)	0.92			
	Specific Gravity: (Part B)	0.92			
	Specific Gravity: (Mixed)	0.92			
	Weight/Gallon Part A	7.66 lbs.			
	Weight/Gallon Part B	7.69 lbs.			
	Weight/Gallon Mixed	7.67 lbs.			
	WORKING PROPERTIES	% Solids by Volume	66.68%		
Hardness @ 72° F		ASTM 2240-85	75-85 Shore A		
Tensile Strength		ASTM D-412 Die C	2578 psi		
Elongation		ASTM D-412 Die C	430%		
Tear Strength		ASTM D-624	595 (lbs./in.)		
Taber Abrasion (Taber Model 502) with C-17 Wheel @ 1000 grams load		ASTM D-3389-94	Abrasion loss (mg/1000 rev.) 4.4 mg		
CURE TIMES		The time required for TopCoat CRX to cure is dependent upon temperature. A 75% cure is generally sufficient for mild abrasion and immersion. The cure times shown below are for a 100 mil thick coating; cure times should be increased by 50% for a 250 mil thick coating.			
			50°F	75°F	100°F
		Cure Time 75%	6 days	3 days	1 day
		Cure Time 95%	15 days	7 days	3 days
CLEAN UP	Equipment must be cleaned immediately after use to prevent buildup of cured urethane on internal parts of equipment. Solvents, such as toluene Tertiary Butyl Acetate or mineral spirits work well for cleaning spray equipment. As soon as spraying is completed, solvent should be pumped through the pump, hose and spray gun until solvent comes out clear.				
	Dispose of all empty TopCoat CRX component containers in accordance with local, state and federal regulations. Empty component containers can be rendered non-hazardous by rinsing the containers with a small amount of mixed material and allowing the solvents to evaporate.				
STORAGE AND SHELF LIFE	TopCoat CRX components are shipped from the factory in sealed and purged with dry nitrogen. The containers should be kept tightly sealed and stored in a cool and dry area that is protected from direct sunlight and moisture. Storage temperatures should not exceed 80°F. The shelf life of factory sealed containers stored under these conditions is one year. Containers that have been opened should be resealed immediately after material has been removed in order to prevent moisture contamination and solvent evaporation. Resin component containers should be purged with dry nitrogen if the contents are not used within 24 hours after opening.				
	The resin portion of TopCoat CRX will crystallize when exposed to temperatures below 40°F and the curative portion may crystallize when exposed to temperatures below 20°F. This does not harm the components; however, the resin component should be warmed to 90 - 100 F and the curative component to room temperature and each component mixed well before using. The components should not be overheated and should be cooled to room temperature before mixing together. After long term storage it is a good policy to stir each component before adding them together.				
SHIPPING CLASS	Class 92.5 Hazardous				