

Technical Data Revision date: 10/14

DESCRIPTION

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 nonslip surface in both wet and dry environment

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).

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.

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.

FEATURES

Chemical	Resistance	Chemical	Resistance
Chlorinated Pool Water	E	Sea Water	E
Nitric Acid, 30%	F	Toluene	Р
Hydrochloric Acid, 35%	F	Methyl Ethyl Ketone	Р
Sodium Hydroxide, 25%	E	Ammonia	E
Sulfuric Acid, 33.5%	E	Kerosene	Р
Clorox	Е	Gasoline	Р
Hydrofluoric Acid, 48%	F	Diesel	Р
G – Good E – Exce	llent F – Fair	P - Poor	

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.

The liquid Components (A & B) should be conditioned to 70°F to 80°F before mixing.

Topcoat CRX Component A becomes very viscose at temperatures lower than 70°F and makes mixing with the Component B difficult above 70°F.

MIXING AND APPLICATION

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.

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.

Vapors from TOPCOAT CRX contain isocyanates and solvents. Forced ventilation must be used for all indoor applications, in closed vessels or downstream from spray qun, 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 eve irritation.

Disclaimer: The results presents here are based on controlled laboratories and should only be used as a general quide 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.



PHYSICAL PROPERTIES Mix Ratio By volume						
PHYSICAL PROPERTIES PROPERTIE		Mix Ratio By weight		100 parts A/ 33.5 part B		
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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. 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.		Cure Time 75% 6 days	3 days	1 day		
CLEAN UP CLEAN		Cure Time 95% 15 days	7 days	3 days		
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