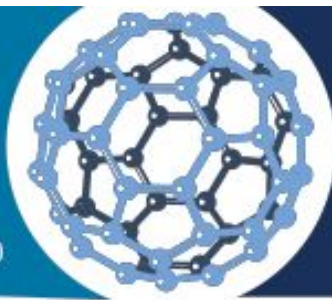


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Technical Data Sheet

Corrosion Resistant Primer (CRP)

Corrosion Resistant Primer (CRP) is a high performance polymer designed to give cathodic protection when used on conducting metals. It is 100% solids and does not contain VOCs. Its formulation is used extensively in severe environments such as coastal marine, naval/shipbuilding, industrial chemical processing piping, underground piping, tanks and water treatment plants. CRP is designed to provide excellent adhesion to metal substrates to prevent surface oxidizing reactants from reaching the surface. CRP is compliant with ASTM G80-07 / NACE No.2 (REAP Method), Cathodic Disbondment of Pipeline Coatings. It is normally used to protect steel, iron and aluminium. It retains flexibility to match our super-polymer topcoats. Top-Coats may include other SuperSkinSystems' polymers as well as standard epoxies, urethanes or acrylics. CRP must be top coated if exposed to long-term sunlight. A finished CRP primed surface provides excellent chemical and abrasion resistance. CRP may be color-tinted and used directly in underground applications.

Technical Application data

Preparation of substrate surface prior to the application of CRP is extremely important. A minimum spray film thickness of 16 mils will provide adequate cathodic protection. The surface temperature must be 5° above dew point and no condensation is present on the surface. CRP requires the metal surface be clean/dry and free from corrosion or contaminates; i.e. loose rust, paint, moisture, dirt, oils, etc. Normally, grinding and/or sanding is sufficient. If application surface exhibits extensive corrosion, standard sand media blasting is recommended to create a secure 6 mil surface texture preparation, typically blast clean to SSPC-SP 10. CRP may be applied over very lightly dry rusted prep-sanded surfaces. Aluminium must be acid prepped, washed and dried prior to spray application. Always power clean using steam and mild detergent prior to any sanding operation as to not spread or induce contamination into prepared surface. This product is applied using high pressure heated plural component liquid pumping equipment. Product may be heated up to 120°F. Surface application temperature may range from 20°F to 150°F. Spray gel time at 75°F is 30s-5min. Extended tacky time may be formulated up to 4 hours. Functional operation temperature ranges from -40°F to 250°F. Recommended minimum application film thickness is 16 mils to provide cathodic protection. Multiple coats may be sprayed if desired. Final sprayed surface is glossy

smooth. Refer to MSDS for material and safety standard procedures. Store materials in dry environment. For long storage, displace air in drums with Nitrogen. Always wear safety gear for breathing and full-face protection at all times.

CRP Physical Properties

Salt Water Spray	ASTM B117	Pass 500 hours
Seawater Immersion	ASTM D870	Pass 300 hours
Tear Strength	ASTM D624	400 lbs/ linear in.
Flexibility	ASTM D1737	Pass 1/8" mandrel
Tensile Strength	ASTM D412	3250 psi
Elongation	ASTM D412	>150 %
Hardness Shore D	ASTM D2240	45
Cathodic Protection	ASTM G80-07	Pass 25°C, 65°C, 80°C
Gel Time	Time	*30s-5min
Mix Ratio	PBV	1:1

* Values Relative To Over Indexed Formulation

Substrate Surface Preparation

Preparation of substrate surface prior to the application of SuperSkinSystem is extremely important as durability is only as good as the weakest link in the coating system.

Call TechSupport Group for assistance with the selection of a SuperSkinSystem™ protective coating system. Also read the Application Page on this website. It is always best to perform a test within a small section of the application area prior to full scale engagement.

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