

Rust & Corrosion Protectant (RCP) is a highly protected coating formulated for corrosive and abrasive applications. Its unique polymer makes it impervious to moisture, weathering and UV degradation.

It is highly resistive to hydrocarbons, corrosion and a wide variety of harsh chemicals. Rust & Corrosion Protectant is ideal for use on ferrous & non-ferrous metals, masonry, timber, fiberglass, glass and carbon fiber.

Recommended Uses Include:	
Ship Hulls	Water & Waste-water Plants
Docks & Piers	Desalination Systems
Water & Oil tanks	Pulp & Paper Mills
Electrical Wiring Coating	Off & On-Shore Oil Industry Infrastructure
Automobile Underbody	Aquaculture Industry

Limitations:	
Apply at temperatures between 10° C – 21° C (50° F to 70° F)	
Do not apply if within 5 C of Dew Point or if rain is expected within 12 hours	
Do not apply on wet surface	

Technical Data		
Vehicle Type		Solvent Based
Pigment Type		Solvent Pigment – 120 ml's/L (16 oz/gallon)
Volume Solids		20%
Recommended film thickness/coat	Wet	See application procedures below
	Dry	5 mils
Coverage per gallon (3.78 L) at recommended film thickness		(320 Ft ² . /gallon)
Porosity and surface texture will determine volume requirements. Ensure accurate colour uniformity and minimize excess paint disposal with accurate volume estimates.		
Dry Time @ 25° C (77° F) @ 50% RH	Tack Free	25 Minutes
	Full Cure	12 Hours
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries by		Evaporation
Viscosity		700 – 3,000 cps (6 rpm/#2)
Flash Point		17<
Gloss/Sheen		semi gloss (4 – 10 @ 99° C (60° F)
Surface Temperature at Application	Minimum	(30° F)
	Maximum	(90° F)
Operating Temperature	Minimum	(28° F)
	Maximum	(90° F)
Thin with		Do not thin
Clean up with		Solvent based liquid (E.g., Tert-Butyl acetate or acetone)
Weight per gallon (3.78 L)		4.9 kg (10.8 lbs)
Storage Temperature	Minimum	7.2° C (45° F)
	Maximum	35° C (95° F)
Volatile Organic Chemicals (VOC)		350 grams/litre

Rust & Corrosion Protectant (RCP) Primer Application requirements for bare metal

The application and adherence of RCP Primer coating system is dependent on a clean substrate. The following are requirements for successful application over bare metal.

Conduct a SSPC-1 cleaning on areas to be covered with RCP.

SSPC-1: This specification covers requirements for solvent cleaning of steel surfaces. Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds or other soluble contaminants from steel surfaces. It is intended that solvent cleaning be used prior to the application of paint and in conjunction with surface preparation methods specified for the removal of rust, mill scale, or paint.

After a SSPC-1 is completed blast area to be coated to a SSPC-10 Near White Metal with 1-2 mill profile.

Brush all grit off the substrate and using a clean white lint free rag wipe blasted area with Isopropyl Alcohol to remove all dust. Continue to wipe surface until no residue is present.

Spray first coat of RCP Primer on substrate at 4-6 mils Wet Film Thickness and allow to cure for 20 minutes.

Apply a Stripe coat with a paint brush on all edges and welds and allow to dry for 20 minutes

Spray a second coat of RCP Primer at a rate of 8-10 mils Wet Film Thickness and allow to dry for 20 minutes.

Spray the final coat at a rate of 10 mils Wet Film Thickness and allow to cure a full 12 hours before being exposed to water

Application:

Conventional Spray: Coating is ready to use and should not be thinned. Gently shake container and pour through a 145-mesh filter into a high quality HVLP detail spray gun with a .6mm tip, such as an IWATA LPH -80 or a siphon-fed detail spray gun with a fine to medium tip. The use of a small spray tip pattern will aid in coating hard to reach areas without excessive build up in surrounding areas. Electrostatic application may also be an option. Air pressure should be 25-35 Psi. Allow to air-dry. Parts will be tack free after approximately 35 to 45 minutes. Until this point the coating is still wet and should not be touched. Parts will be partially cured after 12 hours and fully cured 3 days after application. Clean tools and equipment with tert-Butyl acetate or acetone. Blow off substrate with a high-pressure air nozzle to remove any dust left on the surface. Work in a well-ventilated area and wear a respirator - see MSDS for safety and handling information.

Clean Up:

Clean up using solvent-based liquid

Environmental Health & Safety Information:

Caution

READ INSTRUCTIONS BEFORE USE

May cause allergic eye and skin reaction.

Do not get on skin or in eyes.

May cause respiratory irritation.

Wear protective gloves while handling.

May be harmful if swallowed.

Use only in a well-ventilated area. Keep container closed when not in use,

In case of spillage, absorb with inert material and dispose of in accordance with local regulations.

Wash thoroughly after handling

Protect from freezing.

Refer to Safety Data Sheet for additional health and safety information.

Stir thoroughly.



Rust Protectant & Anti-Fouling

Behind Scorpion is an experienced team of chemical engineers and research scientists devoted to making the impossible; POSSIBLE.

Our advanced coatings meet the demanding needs of military contractors, heavy industry and homeowners alike with formulations that push the envelope in creating sustainable, affordable and easy to use products.

Scorpion Protective

Coatings, Inc.

1-765-653-1736

info@scorpioncoatings.com

www.scorpioncoatings.com