

# **Technical Bulletin**



<b>APPLICATION:</b>	Brush, roll, spray conventional or airless. When using spray equipment use a 17-tip opening. DO NOT THIN! For best results apply at temperatures above 50oF (10oc) and humidity below 90%. Colder temperatures or very humid weather may extend cure time.
<b>DRYING. CURING TIME:</b>	1/2 hour maximum to touch, at 25°C (77°F) at 50% humidity with a 3 mil (0.003 inches) dry film thickness.
<b>TO TOPCOAT:</b>	6 hours, depending on environmental conditions. Always spot test a small area for proper cure time. Ambient temperature must remain above 40°F during this 6-hour cure time.
<b>CURE TEST:</b>	Apply a small amount of the coating in an inconspicuous area. If coating affects <b>RUST KNOCKOUT®</b> clean off affected area, re-apply <b>RUST KNOCKOUT®</b> and allow additional cure time.
<b>SALT SPRAY RESISTANCE:</b>	240 hours as per ASTM B 117, with a 3 mil (0.003 inches) dry film thickness.
<b>ADHESION TEST:</b>	500 PSI to rusted metal and using a topcoat of 2 component solvent base epoxy has the same resistance. Elcometer pull test.
<b>X-RAY DIFFRACTION:</b>	Product changes from active to passive stage.
<b>HEAT RESISTANCE:</b>	Up to 110°C (230°F) ASTM D 2485.
<b>FLEXIBILITY:</b>	No cracking when bent over 1/8" mandrel through 180° ASTM D 1737.
<b>COVERAGE:</b>	200 square feet with a 3 mil (0.003 inches) dry film thickness, depending on the roughness and porosity of the surface and method of application.
<b>COMPOSITION:</b>	Water emulsion, and water-soluble polymers.
<b>VISCOSITY:</b>	82-87 KU.
<b>WEIGHT PER GALLON:</b>	11.00 LBS.
<b>TOTAL SOLIDS:</b>	45.7% minimum per weight of paint, ASTM D 2369.
<b>SOLVENT:</b>	None.
<b>VOC:</b>	0.25 Lb. per Gal 30 Grams per Liter. ASTM D 396.
<b>FLASH POINT:</b>	None.
<b>GRIND:</b>	6-7 Hegman.
<b>PIGMENT:</b>	Does NOT contain lead, chrome, or other toxic pigments.
<b>CORROSION DEPOSITS:</b>	Results of salt spray test ASTM B 117 will prove there could be no evidence of corrosion
<b>PH:</b>	7.0 ASTM D 2369.
<b>WATER IMMERSION:</b>	168 hours, coatings unchanged. ASTM D 870.
<b>DIELECTRIC STRENGTH:</b>	186 volts per mil. Breakdown 1320 volts. ASTM D 149.
<b>SOLVENT RESISTANCE:</b>	(A) MS. 100% (B) 60% volume petroleum naphtha – 25% volume toluene – 15% volume Xylene After 4-week exposure the coatings on the panels did not soften or change in appearance ASTM D 381.
<b>CHEMICAL EXPOSURE:</b>	(A) 5% HCl 24 Hrs. (B) 5% NaOH 24 Hrs. No deleterious effects were observed following these exposures. ASTM D 1308.