

Technical Bulletin



APPLICATION:	Brush, roll, aerosol, spray conventional or airless. When using spray equipment, use a 17-tip opening. DO NOT THIN! For best results apply at temperatures above 10°C (50°F) and humidity below 90%. Colder temperatures or very humid weather may extend cure time.
DRYING, CURING TIME:	6 hours maximum to touch, at 25°C (77°F) and 50% humidity with a 3 mil (0.003 inches) dry film thickness.
TO TOPCOAT:	24 to 72 hours, depending on environmental conditions.
TOPCOAT:	When using topcoats containing aliphatic solvents such as mineral spirits, allow RUST DESTROYER® to cure for 24 hours. In lower temperature or higher humidity than shown above allow 36 hours to cure before top coating. When using top coats containing Aromatic solvents, Esters or Ketones or Latex allow 72 hours to cure before top coating. Always spot test a small area for proper cure time.
CURE TEST:	Apply a small amount of the coating in an inconspicuous area. If coating affects RUST DESTROYER® clean off affected area, re-apply RUST DESTROYER® and allow additional cure time.
SALT SPRAY RESISTANCE:	300 hours as per ASTM B 117, with a 3 mil (0.003 inches) dry film thickness.
ACCELERATED WEATHERING:	300 hours as per ASTM B 117, with a 3 mil (0.003 inches) dry film thickness. 500 hours as per ASTM E 42, with various topcoats.
ADHESION TEST:	25 square cross hatch test; no loss in inter-coat adhesion nor in overall adhesion to the rusted surface after 300 hours of salt spray ASTM B 117, and 500 hours of accelerated weathering ASTM E 42 using top coats of solvent base epoxy, 2 component polyurethanes, or exterior alkyl enamels.
X-RAY DIFFRACTION:	Product changes from active to passive stage.
METALLOGRAPHY TEST:	Product fills all open areas of corrosion, surrounds all loose portions and produces an unbroken protective layer.
FLEXIBILITY:	No cracking when bent over 1/4" mandrel through 180°
SOLVENT EMISSION:	Meets rule 66 and EPA requirements.
COVERAGE:	300 square feet per gallon with a 3 mil (0.003 inches) dry film thickness, depending on the roughness and porosity of the surface, and method of application.
COMPOSITION:	Oleo resinous resin with chemically active ingredients.
VISCOSITY:	86-92 KU.
WEIGHT PER GALLON:	11 LBS.
TOTAL SOLIDS:	59% minimum per weight of paint.
SOLVENT:	Aliphatic.
VOC:	250 G/L ASTM D 396.
FLASH POINT:	41.11°C (106°F)
GRIND:	5 minimum.
PIGMENT:	Does NOT contain lead, chrome or other toxic pigments.
CORROSION DEPOSITS:	Results of salt spray test ASTM B 117, and accelerated weathering test ASTM E 42 will prove there could be no evidence of corrosion.

 Warning: Cancer www.P65Warnings.ca.gov.

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

