



## Metal Primer #18 Rust Inhibiting Primer



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**General Description:** A 100% pure acrylic emulsion maintenance/shop primer that develops barrier corrosion resistance, normally associated only with solvent-borne primers.

**USES:** This primer offer excellent adhesion to

\*Galvanized Metal \*Storage Tanks \*Machinery \*Metal Railings \*Metal Trim  
\*Structural Steel \*Metal Doors \*Mechanical Equipment

**Surface Preparation:** Apply only over clean, dry and properly cured surfaces that are free of cutting solutions, form release agents, dirt, loose foreign matter and moisture. On structural steel, the substrate shall be thoroughly degreased in accordance with SSPC-SP1 standards. All burrs should be removed and sharp edges or rough weld seams should be ground down. All rust and mill scale should be removed as required by SSPC-SP6 surface preparation (minimum). For bridge construction, SSPC-SP5 is recommended.

### Technical Data:

Color: Off White

Finish: Low Sheen

Volume Solids: 42%

Recommended Thickness: 3 mils dry for maximum performance.

Drying Time: Temperature to touch 2 hours To Recoat 8 hours

Maximum Allowable V.O.C.: 2.9 lbs./gal. (350 g/l)

Actual V.O.C.: .66 lbs./gal. (79 g/l)

Theoretical Coverage:

656 sq. ft./gallon @ 1 mil dry, assuming no application loss. Coverage will vary depending on color, the surface texture and application technique.

Packaging: 55 Gallon drums, 5 Gallon pails and 1 Gallon cans

Storage Temperature: Minimum 35 F Maximum 110 F

Coverage Rate per Coat: Dry Mils 3.0 – 218 sq ft per Gal.

Mixing: Stir thoroughly, making sure no pigment remains on the bottom of the can.

Thinning: Thin with water.

Surface Temperature: Minimum 50 F Maximum 90 F

Application Equipment: Airless Spray Pressure: 1800-2400 psi Tip: .015"-.019"

Conventional Spray: Air Pressure: 60-80 psi. Fluid Pressure: 10-20 psi.

Cleanup: Use soap and water.

Application Considerations:

Spray recommended. Do not apply when overnight freeze, rain or dew is forecast. NOTE: During Conditions of high humidity or moist air, allow for a much longer cure time. Warm air, moving over the substrate, will promote drying and improve cure time when less than optimum application conditions exist. When applying this coating by roller application, extra attention to detail is necessary to avoid pinholes.

**WARNINGS!** If you scrape sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, AVOID EXPOSURE. Find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead). KEEP OUT OF REACH OF CHILDREN ~ DO NOT TAKE INTERNALLY USE WITH ADEQUATE VENTILATION. Avoid prolonged or repeated contact with skin and breathing of vapors or spray mist. If there is not adequate ventilation, applicators should wear respirator protection approved by NIOSH / MSHA (TC-23C or equivalent). These suggestions and data are based on information we believe to be reliable and are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Hy-Tech Thermal Solutions, LLC nor our agents shall be responsible for the use or results of use of this product or any procedures or apparatus mentioned. For information on safety hazards associated with this product please refer to MSDS sheets.