



TECHNICAL DATA SHEET

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MIL-DTL-24441/19C F. 159
EPOXY ZINC RICH PRIMER
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A two component epoxy polyamide primer designed to protect surfaces from environmental attack. MIL-DTL-24441/19 is zinc rich epoxy primer formulated for maximum resistance to fresh or salt water. The complete three coat Epoxy system is resistant to water, many industrial chemical fumes and high humidity environment conditions. This coating is Low VOC as well as lead and chromate free.

TYPICAL PROPERTIES:

- (1). **COLOR**..... Gray
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **POT LIFE @ 73 DEGREES FAHRENHEIT**..... 5 Hours Min.
- (4). **GLOSS @ 60 DEGREES**..... 30 Maximum
- (5). **THEORETICAL COVERAGE**..... 300 - 400 Sq.Ft/Gallon
- (6). **FINENESS OF GRIND**..... 5 Minimum
- (7). **TITANIUM DIOXIDE (% OF PIGMENT)**..... 18% Minimum
- (8). **DRY FILM THICKNESS**..... 1-2 Mils

DRYING TIMES (AT 2 MILS WET THICKNESS and 73 DEGREES FAHRENHEIT) *
To Touch: 2 Hours Dries Hard: 6 Hours

- ADVANTAGES:**
- (1). Meets MIL-DTL-24441/19C F. 159 Specification
 - (2). High Zinc Content
 - (3). Provides Galvanic Protection to Steel
 - (4). Excellent Corrosion Resistance
 - (5). Excellent Foundation
 - (6). Extremely Abrasion Resistant

- USES:**
- (1). Steel
 - (2). Machinery
 - (3). Tanks
 - (4). Railings
 - (5). Industrial Equipment
 - (6). Towers



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SURFACE PREPARATION:

Remove all dirt, grease, wax, oil and other contaminants. All mill scale, rust and other interference materials must be completely removed by sandblasting to a minimum SSPC-SP-6 Commercial Grade (NACE NO.3). Prime with MIL-DTL-24441/20 #150 Green Primer.

APPLICATION AND REDUCTION:

Stir both components thoroughly. Mix the two components together 4:1 by volume, then mix in zinc dust. Allow to stand 1 hour at approximately 70 degrees Fahrenheit before using. Add MIL-T-81772B TY.II if necessary to facilitate atomization. Pot life is approximately 2 hours at 90 degrees F, 6 hours at 70 degrees F and 16 hours at 50 degrees F.

PRECAUTIONS:

Contents are FLAMMABLE.
Keep away from heat and open flame.
KEEP OUT OF THE REACH OF CHILDREN.
CAUTION: Combined material may form gas and buldge container.
Do not take internally.
Avoid breathing vapor or mist.
Do not use in tank or pit without proper protection.
FOR INDUSTRIAL USE ONLY. READ MSDS BEFORE USE