



INDUSTRIAL THREADED PRODUCTS INC.

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E/M-6226 BLUE COATING SYSTEM

SUBMITTAL SPECIFICATIONS

GENERAL DESCRIPTION

E/M-6226 Blue is a filled fluorocarbon solid bonded dry film lubricant which combines the benefit of low coefficient of friction of PTFE coatings with the superior wear characteristics of filled fluorocarbons. This coating system has been designed to significantly improve corrosion protection, provides improved torque / tension relationship, and substantially reduces galling on steel and threaded fasteners. Good chip and abrasion resistance, and is used in above ground applications to resist sunlight and severe weather conditions.

COATING PROCEDURES

1) Surface preparation;

- A) All surfaces are chemically cleaned
- B) Abrasive blasting with aluminum oxide (120 grit).
- C) Manganese Phosphate.

2) Coating;

- A) Multiple coats of fluoropolymer coating applied (1 Mil)
- B) Air dries for maximum strength
- C) Baked at 425 degrees for 1 hour.

3) Quality Control;

- A) Checked for uniform application and thickness.
- B) Appearance shall be free from cracks, pinholes, Runs, sags, foreign matter, grit, particulate or other Surface imperfections.

Coating properties of the EM 6226 Blue as a fluoropolymer coating is a composite material. Lubricants with the lowest known coefficient of friction are combined in a matrix with high temperature organic polymers. United these polymers form plastic alloys having desirable properties.

- 1) Low Friction.
- 2) Wear Resistance, even under pressure
- 3) Corrosion and Chemical resistance in most environments
- 4) Sunlight and severe weather conditions

Salt Spray tested to (ASTM B-117) for 1000 hours