

**INDEPENDENT LABORATORY TESTING SHOWS EPOXY COATED CASTER FORKS VIRTUALLY UNAFFECTED** after 500 hours of ASTM B 117-85 Salt Spray Test. EPOXY COATING is an attractive alternative to Stainless Steel Casters in some wet applications.



Zinc Plating failed after 48 hours.



Dichromate Zinc Plating failed after 72 hours.



Epoxy Powder C Creating virtually unaffected after 500 hours.

**Category 04 Swivel Section  
04F-YA-08201-S Epoxy Coated  
Swivel Rig Shown**

## FINISHES – TECHNICAL FACTS

No one likes rust or corrosion. How can we effectively eliminate or control this condition? Methods of dealing with the problem include the proper application of paint, plating or use of powder coating. Stainless Steel can also be employed.

**Following are some alternatives and their related benefits.**

### Stainless Steel

1. **Stainless steel is resistant to nitric acid and sulphuric acid.**
2. **Stainless steel is resistant to many organic acids, including practically all food acids.**
3. **Stainless steel is not resistant to seawater or photographic solutions.**

### Zinc Plating or Yellow Zinc

1. Zinc is used-as a protective coating on steel because it is resistant to attack in many environments.
2. Zinc coatings are inexpensive and easy to apply.
3. Zinc plating provides protection against rusting and pitting.
4. In sea water, zinc plating effectively resists rusting in steel.
5. Zinc plating is applied for corrosive industrial service in a thickness not less than .0002 inches.

### Chromium Plating

1. Chromium plating is for objects which must not only be protected from corrosion, but also must present a bright and pleasing appearance.
2. Appearance is maintained both indoors and outdoors, and when in contact with precipitation, soap and other cleaning solutions, food products and beverages.

### Powder Coating

1. Epoxy Powder coating is a metallic finishing process where thermo setting powders (epoxy) are heat bonded to a metal surface.
2. Powder coating is more corrosion resistant than zinc plating.
3. Epoxy powders provide moderate cost, low maintenance and long lasting protection against most chemically aggressive environments.