

Zinc Phosphate

Automated Finishing Technology (AFT)

Zinc Phosphate coatings are often used on steel parts to provide corrosion protection, lubricity, or as a pretreatment for additional coatings. The process converts the metal surface into a nonmetallic, polycrystalline coating, which has a black matte appearance.

AFT offers both rack and bulk barrel-plating processes, both exceeding the American Petroleum Institute specifications for coating weight, and they maintain a fine crystal structure that can hold oils and withstand handling.

AFT has selected chemistry from MacDermid (Keykote 36 & 40), one of the most dependable and respected products and suppliers in the plating industry.



Centrally located in the Dallas/Forth Worth area, we provide service to our customers locally and throughout the United States.

Why AFT?

- High-Quality Coating
- Ability to Coat Large Pipes & Parts
- 2 Production Lines
- Shorter Lead Times
- Excellent Customer Service
- Competitive Prices
- Centrally Located



Halliburton -
Spec. 68.00107 Rev. Q
ESC 43 1-5
DOD-P-16232
MIL-STD-171
MIL-DTL-16232
TT-C-490

Able to meet or exceed most private specifications



Customer Service and Quality are AFT's highest priorities. All processes are verified and guaranteed with certification sheets upon request.

Zinc Phosphate Capacity

2 Production Plating Lines:

- **Heavy Zinc Phosphate - MacDermid Keykote 36**
Three Plating Tanks:
 - 1 - 4 ft x 4 ft x 8 ft
 - 1 - 4 ft x 4 ft x 4 ft
 - 1 - 20 ft x 3 ft x 3 ft (For Pipes)
- **Lightweight Zinc Phosphate - MacDermid Keykote 40**
(microcrystalline phosphotex A-12)
Plating Tank: 4 ft x 4 ft x 4 ft
- **Manganese Phosphate**
Plating Tank: 3 ft x 3 ft x 3 ft

Supporting Equipment

- **Ovens** - 2 Large High-Temperature Ovens - up to 850°F
- **Blast** - Walk-in Blast Room (20 ft x 8 ft x 8 ft) for large items, Blast Cabinet for smaller items

In-House Laboratory

- Thickness Measuring Capabilities
- Coating Weight
- Eddy Current
- Magnetic

AFT offers over 16 quality specified plating processes, including: Silver, Black Oxide, Zinc Nickel, Electroless Nickel, Tin, Matte Tin and Xylan Coatings.

Visit our website, www.AFT-Corp.com for a complete list of plating processes, or call us at **972-988-1999** to find out what AFT can do for you.

