

# PHOSPHATE COATINGS

Manganese Phosphate | Zinc Phosphate | Iron Phosphate



## DIFCO

**Durable Industrial  
Finishing Company**

Manganese Phosphate, Zinc Phosphate and Iron Phosphate are the treatment of iron or steel by immersion in a solution of phosphoric acid and other compounds. During the process the surface of the metal is chemically converted to form a protective layer of Phosphate crystals.

### Functional Benefits of Phosphate Coatings Include:

- Prevents Metal to Metal Galling
- Performs Well in High Torque Applications
- Good Base Coating for Paints and Oils
- Corrosion Resistance
- Lubricity

### Phosphate coatings are used as a base for subsequent coatings such as:

- Paint
- Waxes
- Water soluble oils
- Dry film lubricants

### Flexibility in Resulting Color and Finish Size:

Characteristics of the base metal and pretreatment methods determine the size and color of the finish.

Coating Type:	Manganese Phosphate	Zinc Phosphate	Iron Phosphate
Resulting Color:	Black	Grey to Black	Light Grey

### Durable Industrial Finishing Company Offers:

- Manganese Phosphate
- Zinc Phosphate
- Iron Phosphate
- Rack and Barrel Processing

*We Make Your Parts Look Better,  
Work Better and Last Longer*



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