



Micron FRM 300-Z

Micron Zinc Replenisher

Micron FRM-300 (micro-crystalline) phosphate coating system is a lubrication grade process for steel. Provides extrusion and metal drawing aid. Typical coating weights of 200-500 mg/ft² and crystal size of 20-50microns.

Micron FRM 300 provides a micro crystalline, tightly bonded coating on steel which resists galling of metal surfaces during extreme stamping and forming of steel.

Easily applied in spray or immersion systems with uniform coatings and a narrow coating weight range control.

Features & Benefits

- Lowest use cost.
- No dump operating system
- Can be used in coil coating, barrel slug processes, immersion or spray
- Reduced sludging and scale build-up on equipment
- Bonds lubricant coatings tighter and more uniform
- Can be used with all conventional and advanced lubricant coatings (RE: Soap lubricants, polymer lubricants, oil lubricants, and others)
- Provides wide coating range as required: 200-600 mg/sq.ft.

Physical Data

pH	< 1.0
Product Type	Liquid
Spec. Gravity	1.42
lbs./gal.	11.84
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 Years
Freeze Information	Protect from freezing

Typical Processing

1. Pre-clean as required with alkaline cleaning (#N-110)
2. Rinse
3. Rinse Activator grain refiner TONER TA-10) .2 oz/gal. ~



4. Phosphate coat: MICRON FRM-300 total acid 16- 22 points, free acid = 1 - 2, acid ratio 13 - 18, accelerator 2-4
5. Rinse
6. Hot rinse, 130-150 F., 30-60 sec., neutralized to ph of 9~ (w/neutralizer LF-40)
7. Lubricant coat: COLD LUBE, FRM #1, GM-2 (optional polymer lube)

Packaging

Container Type	Poly
Net Units	650
Tare Wt.	25
Gross Wt.	675
DOT_Name	UN 3264, Corrosive Liquid, Acidic, inorganic, N.O.S., (Phosphoric & Nitric Acids),8, PG II,
DOT Hazard	Corrosive
Tarriff ID	

Use Parameters

Concentration Range	1 - 8% by volume
Temperature Range	Ambient – 1900 degrees F
Time Range	2 – 12 min. As required.
Agitation	Rotation or mechanical

Waste Disposal

Treat for metals, acids.

Holding Tank Materials of Construction

Acid resistant. Steel, stainless or poly.

Other Information

It is important that the OSHA DATA, "Material Safety Data Sheet" be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.



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