Micron LWT-100

Zinc Phosphate Metal Treatment

LWT-100 is a micro crystalline zinc phosphate system used for applying micro zinc phosphate coatings to steel and mixed metals of aluminum, zinc/galvanize and magnesium. Can be used in spray, and immersion processes. Ideal in e-coat operations.

LWT-100 is an internally accelerated product that provides micro-crystalline coatings of 150 up to 600 mg/ft² (1.4 - 5.2 g/m²). Micron coatings subsequently coated with powder coat, e-coat and other paint finishes. Provides exceptional bonding and corrosion resistance.

LWT-100 provides low dusting. Premium quality performance and cost-effective results are achieved with this system. Also coats galvanized and aluminum metals. Meets the requirements of Fed. Spec. TT-C-490 type 1. Toner TA-10 (steel) or TA-20 (mixed metals) is used as the pre-rinse with this product.

Features & Benefits

- A versatile single component system: Provides simple use for
- production control.
- High resistance to sludging. Also effective on resistant alloys.
- Micro smooth coatings with a 150 -600 mg/ft² range, offering 2-10 micro finish, humidity, impact, & anti-chip resistant, passes immersion, outdoor tests.
- Meets various automotive, government and military specifications.
- Operating note: Product is internally accelerated offering a wide range of application and use parameters. Easily used in hoist lines, conveyor lines, soak tanks and spray systems.

Physical Data

pH	1
Product Type	Liquid
Spec. Gravity	1.46
lbs./gal.	12.18
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing.

Typical Processing

1) Pre-clean: Spray Process, HDS-1023. Immersion, LS-150
2) Rinse, (Maintain less the 0.5 points total alkalinity fresh rinse)
3) Rinse with conditioner, grain refiner. (Toner TA-20, 0.1-0.2 oz/gal.)
4) LWT-100 Zinc, 12-18pts TA, Ratio 14-20, 20-30pts TA, Ratio 10-14 Accelerator Points. 0.1-2.5 pts
5) Rinse.
6) Sealer rinse. (Optional non-chrome sealer NCS Z-1, 1/2 - 1% 80 - 110 F. 15")
7) D.I. rinse.
8) E-coat bath.
9) Post rinsing or other coatings.

Packaging

Container Type	Poly
Net Units	670
Tare Wt.	25 lb.
Gross Wt.	703
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	15-26 points total, 3-5%~
Temperature Range	115 – 160 deg. F.
Time Range	2 – 10 minutes.
Agitation	Circulation in dip tanks.

Waste Disposal

Remove metals, sludge, grease, pH controls. See local laws, POTW.

Holding Tank Materials of Construction

Acid resistant, 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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