

TCJ-750 Replenisher

Light Crystal Zinc Phosphate

TCJ-750 is a "lo-temp" light coating zinc phosphate compound used for applying corrosion inhibiting & lubricant coatings to metal in immersion tanks. Operates at 140 f. Ultra-low sludging, 75% less!!!

TCJ-750 is an immersion type product which provides coatings of 300-700 mg/ft². Coatings are applied over steel and subsequently coated with a corrosion inhibiting emulsion type oil, wax or lubricant, sealer & paint.

TCJ-750 is an advanced phosphate coating which includes a catalyst for low temperature operation (130-150 deg. F) and extreme iron control. Low sludging. Bath resists iron buildup providing preferred lube coatings. Booster 100 can be used to boost coating WTS on high alloy metals and challenged metal alloys.

Features & Benefits

Lo-temperature processing:

- Providing significant energy heating costs savings.
- Ultra-low sludging for lowest cost & downtime.
- Extended bath life by 2-3 times lowering cost.
- Resistance to iron related problems. Bath resists iron buildup
- Provides dark dense coatings.
- Provides improved corrosion resistance and bonding.
- Eliminates "excess" heat related sludge on coils.
- Effectively coats resistant alloys.

Physical Data

pH	1.0
Product Type	Liquid
Spec. Gravity	1.59
lbs./gal.	13.28
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing.

Typical Processing

1. Pre-clean, alkaline #2800, 8% B.V, 8 min., 170 deg. F.
2. Rinse (or alkaline descaler #345 LR) 3) acid pickle, (hydrochloric or sulfuric) 8 min, 4) rinse, 5) preferred rinse.
3. TCJ-750, (use "make-up" for new bath, use "replenisher" for daily
4. Routine bath control, 130-150F, 8-15 min, 32+ pts acid (new bath) (re:5%) + 3 times points of iron for total range. Ratio: 8-18.
5. Rinse.
6. Rinse.
7. Oil option: 10-20%, Phos oil #240, 125 deg. F, 30-60 sec.
8. Dry to touch #2018, 1-4%, 125 deg F. 30-60 sec.
9. Lubrication option: loc-lube, poly lube.

Packaging

Container Type	Poly
Net Units	730
Tare Wt.	25 lb.
Gross Wt.	755
DOT_Name	UN 3264, Corrosive liquid, acidic, inorganic, N.O.S., (Phosphoric & Nitric Acids), 8, PG II.
DOT Hazard	Corrosive.
Tarriff ID	2835.29

Use Parameters

Concentration Range	4 – 6% 32-80 points total acid
Temperature Range	130 – 185 Deg. F.
Time Range	8 – 20 min.
Agitation	n/a

Waste Disposal

Neutralize pH, remove fats, oils, grease, and heavy metals.

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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For more information on this process,
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