

MaxPrep 2700-LT

All Metal Cleaner & Conversion Coating

2700-LT is a low foam Detergent Iron Phosphate conversion coating for steel, cast iron and mixed metals of aluminum and zinc-galvanize. Internally accelerated for maximum conversion coating quality. Superior detergency and cleaning package.

2700-LT provides superior cleaning & bonding, plus corrosion resistance for powder and wet coatings. Offering coating weights up to 75 mg/ft squared. Easy to control system.

Note: For equivalent spray wand product: see Phos & Clean HS-333

2700-LT is a premium product which is accelerated with a highly stabilized acid balance to provide maximum quality. Also used for bonding of adhesives and elastomers. Meets the requirements of TTC-490 Type II.

Features & Benefits

- High solids liquid which provides ease of chemical feeding & monitoring.
- Balanced acid system for greater process control.
- Stabilized pH.
- Extended coating weight range over standard 3 stage systems or detergent type products.
- Excellent salt spray, humidity and water immersion resistance with improved impact and bend resistance.
- Significantly improves corrosion resistance and bonding performance.
- Satisfies requirements of "Tide" test as defined by appliance industry.
- Resistant to hard water. Meets military spec TT-C-490, Type II.

Physical Data

pH	2.5
Product Type	Liquid
Spec. Gravity	1.14
lbs./gal.	9.51
Foam, 0 = Low, 9 = High	1
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing.

Typical Processing

Typical 3-5 stage system:

1. Alkaline clean. (Optional for heavily soiled parts)
2. Rinse.
3. 2700-LT Iron Phosphate, 120-150 F., 90 seconds, 2-4% , PH 4.5 -5.5
4. Rinse.
5. Seal rinse. (Optional)

Note: 2700-LT is ideal for operations with 3 OR 5 stage systems, individual process parameters may vary.

Titration Procedure

1. Take a 10 mL sample of solution to be tested (pH must be within operating range of 4.5 - 5.2).
2. Add 3 - 5 drops of phenol indicator.
3. Titrate with 0.1n caustic until the color changes to pink.
4. The number of mL's required multiplied by a factor of .75 = % by volume (factor = .75).

Packaging

Container Type	Poly
Net Units	518
Tare Wt.	25 lb.
Gross Wt.	543
DOT_Name	UN 1805, Phosphoric Acid Solution, 8, PG III
DOT Hazard	Corrosive
Tariff ID	

Use Parameters

Concentration Range	2-4%
Temperature Range	120-150 F.
Time Range	30 – 180 seconds
Agitation	Spray

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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