

Description

Crest PPC-79AH is a bluish-white granular powder developed to clean and phosphate ferrous, galvanized aluminum, zinc plated, zinc die cast, and cadmium alloys by spray or dip methods. The product is suitable for use in 2, 3, 4, or 5 stage systems. The product will usually produce a coating weight of 30-50 mg/sq ft on ferrous alloys.

Specifications

This product meets or exceeds all qualifications for the following:

- » Federal Specification TT-C-490F Type II Class A & B

Benefits

- » Operates at low temperatures, 90-160° F.
- » Coats multi-metals in the same washer.
- » Provides an excellent base for liquid or powder coatings.
- » Easy to control by simple titration.
- » Etches and phosphates aluminum or zinc coated metals.
- » Does not normally need extra cleaner-starts with 11% cleaner.
- » Provides rust protection-2 rust inhibitors are in the product.

Mixing Instructions

Spray Washer

- » Start with 3/4 oz. per gallon of water. Rarely is more needed. If more cleaning is needed, Crest Chemicals has an additive that will increase the cleaning of the parts. It is usually used at 1 quart to 100 gallons of water.

Dip Tank

- » Used at 2 to 5 oz. per gallon of water

Warranty and Liability Disclaimer

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience; however, since conditions of actual use are beyond our control, any recommendations, or suggestions, are made without warranty, expressed or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage or injury, direct or consequential, arising out of the use of this product.

Adjustments

- » Use the Total Acid Test and the Free Acid Test to verify that acid content is at the desired level. If the acid content is low, add 1 quart PPC-98 per 100 gallons of solution to raise the total acid content approximately 0.25 points.
- » Higher coating requirements may require steel wool to be added to the tank. If this is the case, dissolve ½ pound steel wool per 100 gallons of solution when the tank is at or below 160°F. Use the Ferrous Iron Test to verify that the iron content of the bath is .5 to 1.0 point.

General Operating Parameters

Concentration	6 to 10% by volume
Temperature (°F)	170° to 190°F
Time	3 to 30 seconds
Total Acid	6 to 10 ml of 1.0N NaOH = 6 to 10% 60 to 100 ml of 0.1N NaOH = 6 to 10%

Equipment

- » Tanks should be constructed of 316 stainless steel. 304 stainless steel or mild steel can be used as well.
- » Heaters may be either steam heated plate coils constructed of stainless steel or gas fired burner tube types constructed of mild steel.
- » Other equipment such as heaters, pH meters or electrodes should be made of steel when possible.

Caution

Refer to product labels and Safety Data Sheets for precautionary and handling information.

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