Weldphos CSR

Chrome Seal Rinse

Weldphos CSR maximizes protection provided by iron and zinc phosphate pre-treatments. It reduces hard water blistering, and improves corrosion resistance of iron, aluminum and zinc substrates.

Features/Benefits

- Improves Corrosion Resistance: Reduces pores by forming a chromium phosphate passivate layer.
- Works in hard water environments to minimize blistering.
- Performance improved by 100% for Iron Phosphate, and 33 - 66% for Zinc Phosphate based on ASTM B117 Salt Spray testing and ASTM D1654 Adhesion testing.
- Maintains good oil adhesion to heavy phosphate coatings.
- Easy to use and control rinse concentration.

Typical Operating Conditions

Application	Immersion	Spray	Use at ambient temperature and pH of 2 - 4.
Time	15 - 30 seconds	15 - 60 seconds	For best performance Weldphos CSR is used as a final pre-treatment rinse, followed by oven drying.
Concentration	1.5 - 2.5% b.v.	1 - 2% b.v.	

Concentration Analysis

1. Pipette a 2 ml sample of solution into a 250 mL Erlenmeyer flask.
2. Add 50 mL distilled or DI water
3. Add 2 g Ammonium Bifluoride
4. Add 20 mL 50% Hydrochloric Acid
5. Add 20 mL 10% Potassium Iodide
6. Add 20 mL 1% Start Indicator Solution
7. Titrate with 0.1N Sodium Thiosulfate from black to clear.

Calculation: ml of 0.1N Sodium Thiosulfate x 0.865 = % b.v. Weldphos CSR

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READ THE MSDS BEFORE USING THIS PRODUCT

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