



# PRODUCT INFORMATION

MARTRON INC.® P O BOX 309; MONROE, NC 28111 PH: (704) 289-1934; FAX: (704) 283-7400

EMERGENCY - MARTRON 704-289-1934  
CHEMTREC 800-424-9300

Ref. # MFC-001538

## MARTRON ZN SEAL 900NA

**Martron ZN Seal 900NA** is an improved plating post treatment product which when applied in a final rinse and dried prevents the formation of white corrosion products on zinc plate. **Martron ZN Seal 900NA** offers salt spray protection up to 300 hours to red rust. **Martron ZN Seal 900NA** works on zinc and cadmium electro and mechanical plated work and aluminum.

Higher concentrations of the **Martron ZN Seal 900NA** can be utilized without yellowing. Further it can be applied over a variety of chromated surfaces to enhance corrosion resistance.

**Martron ZN Seal 900NA** can be used as a final seal for zinc phosphate surfaces. The coating produced is a transparent film.

Fasteners that require extended salt spray protection, wire goods or other steel parts that require humidity testing will meet the following specifications.

Automotive	Chrysler PS-8814, Ford ESE-M21-P17-42, GM 4345 M8D
Government	QQZ 325, Typell, Class II, QQP 416, Type II Class A
ASTM	B633, Type III, Zn/Fe 12, SC3, B 695, Type II, A 165, Type NS, B 696, Type II

### Section 1: OPERATING PARAMETERS

<b>Martron ZN Seal 900NA</b>	1-5% by volume
Temperature	140° - 160°F (60° - 70°C) *
Time	45-90 seconds
pH	11.0-11.5

Under normal operating conditions, the **Martron ZN Seal 900NA** is added to the final hot water rinse. Soft water is highly desirable for the makeup. If extremely hard water is encountered, a water conditioning agent should be also used.

The lead acetate spot method is a good test to determine final film thickness on zinc surfaces. No black spot should be detected for two to three minutes on an acceptable surface. Further, parts should show no visible white salts when baked for one hour at 250°F.

If re-working of the part is required, the coating, must be stripped back to base metal.

Control of the concentration is accomplished by specific gravity.

\*If used with black chromate, the temperature of the post treatment should not exceed 120°F for optimum appearance.

### Section 2: CONTROL

1. Pipette a 50ml sample of **Martron ZN Seal 900NA** into a 250ml flask.
2. Add 3 drops Phenolphthalein Indicator.
3. Titrate with 1.0N acid from a pink to a clear end point.

**Calculation:**

mL Titrant X 0.58 = % by volume **Martron ZN Seal 900NA**

If pH below 11.0, **Martron ZN Seal 900NA** should be added back to increase pH.