



## PRODUCT DATA SHEET – PRIMER SERIES

# PT-522NCHROM ZINC PHOSPHATE PRIMER

### MEETS TT-P-1757B TY. I & II CLASS N

#### DESCRIPTION

**PT-522NCHROM** Zinc Phosphate is a general purpose, rust inhibitive, alkyd primer. It is intended for use over metals that are bare, scuffed, sanded, abrasive blasted and previously painted surfaces while showing excellent anti-corrosion properties. The primer chemically etches into the surface to provide exceptional adhesion and durability. Although this primer is intended for metals, it may be applied to wood, composite and concrete surfaces

#### COLORS – YELLOW AND GREEN

#### COATING PROPERTIES & CHARACTERISTICS

Reducer	Acetone or PT-1022X66
Recommended Dry Film Thickness	0.6 – 0.9 mil
Spray Viscosity	14 seconds, max #4 Ford
Weight per Gallon	12.6 lbs.
Theoretical Coverage	
Pot Life	
Coatings VOC	242.7 grams per liter

#### SHELF LIFE

Shelf life is only applicable for materials stored in unopened and undamaged original factory filled containers.  
1 year when stored at 50°-85° F.

#### SURFACE PREPARATION INSTRUCTIONS

**ALL SURFACES:** Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with PTC-2002 or GTS-2000 0 VOC Cleaners/Degreasers or other suitable detergent cleaner/ degreaser. Then rinse thoroughly with water. If you wish to use solvents PTI recommends IPA, Acetone or MEK. Rinse thoroughly with fresh water and allow to fully dry. Remove all remaining dust and debris by lightly wiping the surface with a tack rag or cheese cloth. All surfaces must be dry at time of application.

**STEEL:** Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove all loose rust, mill scale, and deteriorated previous coatings. Abrasive blasting to a minimum Commercial Grade (SSPC-SP-6, NACE 3) with a 1–2 mil (25–50µ) surface profile is recommended for optimal performance. Abrasive blast cleaned steel requires two coats of primer. Scuff the surface with scotch bright pads.

- For additional protection apply PTI's Acid Etch Primer prior to the Zinc Chromate Primer.

### MIXING INSTRUCTIONS

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Mix the paint on a shaker for 5 – 10 minutes for optimal results.  
Admix by volume:

1. If it is necessary to reduce/thin the primer, then start by adding 1 part by volume with Acetone or PT-1022X66 to 8 parts primer by volume.
2. Mix only an amount that can be used in one day.

### APPLICATION

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This product can be applied using conventional air spray equipment, HVLP, Apollo Spray system. Please consult with a PTI representative for specific equipment recommendations and settings.

1. Make sure pots, guns, and lines are purged and cleaned.
2. Mix both base and catalyst thoroughly and filter/strain before spray application.  
**NOTE:** It is not recommended to strain flat/matte coatings.
3. HVLP Spray Pressure: 7-10psi
4. Always air-blow and tack wipe the surfaces to be painted.
5. Best application results: apply 2 coats: 1 fog/tack coat & 1 full coats from 0.6 – 0.9 mil thickness.
6. Recommended Dry Film Thickness is 0.6-0.9 mils.

**NOTE:** Application of PTI products requires the use of all OSHA approved safety equipment, including proper ventilation. Additionally, PTI products require the recommended temperature/humidity conditions and film thickness ranges for optimal performance. The material, hangar, and aircraft skin temperatures should be no lower than 75° F / 25° C before, during and after application.

### DRYING & CURING SCHEDULE

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Dry times are based on the dry film thickness between 0.6 - 0.9 mils (25-50 microns).

#### **Air Dry:**

Allow applied coating to dry for at least 5 minutes before apply a top coat. Primer dries dust free in 5 minutes and dries hard in 15 minutes

**Always bring the coating to the “tack free” stage before top coating.**

### EQUIPMENT CLEANUP

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Use clean Acetone or PT-1022X66 Reducer. Do not allow material to dry or cure inside any equipment.



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### **HEALTH, SAFETY, & STORAGE REQUIREMENTS**

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Refer to each individual material SDS (Safety Data Sheet) for specific requirements on the health, safety, storage and handling requirements. Follow all local, state, and national regulations during surface preparation, material application and cleanup.

### **PRODUCT INFORMATION & DISCLAIMER**

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Product Data Sheets are periodically updated to reflect new information. It is important to use the latest and most recent revision for the product being used. The foregoing information is accurate to the best of our knowledge. However, due to differences in customer handling, use and method of application which are not known and are beyond our control, Products Techniques, Inc. makes no warranties as to the end result.