



1K Organic Zinc Rich Primer

**ZNP-101**

**CPC 97**

Component A  
ZNP-101 Organic Zinc Primer

RECOMMENDED USE		SURFACE PREPARATION																			
<p><b>Type:</b> Organic Zinc Primer</p> <p>ZNP-101 is a one-component organic zinc rich primer that is a ready-for-use, self-curing, cathodically protective maintenance coating. It can be applied over properly prepared blasted steel or be used as a touch-up primer for selected galvanized steel or zinc rich coatings.</p>		<p>Zinc rich coatings require direct contact between the zinc pigment in the coating and the metal substrate for optimum performance. Surface must be prepared by abrasive blasting or chemical cleaning free of dirt, grease and oil. Steel surfaces must be thoroughly cleaned and preferably phosphated for maximum adhesion. An epoxy intermediate primer is recommended for maximum corrosion protection.</p>																			
PHYSICAL CONSTANTS		APPLICATION DATA																			
<b>Voc</b>	4.91 lbs/gal (pkg) 4.60 lbs/gal (less exempt)	<p><b>Mixing Directions</b> Prior to shaking, to prevent excess gassing, the lid of the ZNP-101 container should be removed and then re-sealed to release any gas build up that may have occurred during storage. Stir thoroughly before and occasionally during use.</p> <p><b>Thinning</b> Up to 50% of Q89 / CPC-SP9001 Slow Thinner ONLY.</p> <p><b>Pot life</b> N/A</p> <p><b>Application Equipment</b> Airless Spray (Use teflon packings and continuous agitation)</p> <table> <tr> <td>Pressure:</td> <td>2000 psi</td> </tr> <tr> <td>Hose:</td> <td>3/8" ID</td> </tr> <tr> <td>Tip:</td> <td>0.017"</td> </tr> <tr> <td>Filter:</td> <td>none</td> </tr> </table> <p>Conventional Spray (Continuous agitation required)</p> <table> <tr> <td>Gun:</td> <td>Binks 95</td> </tr> <tr> <td>Fluid Nozzle:</td> <td>68</td> </tr> <tr> <td>Air Nozzle:</td> <td>68P</td> </tr> <tr> <td>Atomization Pressure:</td> <td>50 psi</td> </tr> <tr> <td>Fluid Pressure:</td> <td>10 –12 psi</td> </tr> </table> <p>Brush: Small areas only</p>		Pressure:	2000 psi	Hose:	3/8" ID	Tip:	0.017"	Filter:	none	Gun:	Binks 95	Fluid Nozzle:	68	Air Nozzle:	68P	Atomization Pressure:	50 psi	Fluid Pressure:	10 –12 psi
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<b>Percent Solids By Weight</b>	70.3 ± 3%																				
<b>Percent Solids By Volume</b>	30.0% ± 2%																				
<b>Weight Per U.S. Gallon</b>	16.5 ± 0.3 lbs/gal																				
<b>Flash Points</b> (Pensky-Martens) ZNP-101	68°F (19°C)																				
<b>Ready To Spray Viscosity</b> (Varies By Color)	#3 Zahn = 17 seconds #2 Zahn = 28 seconds																				
PERFORMANCE FEATURES																					
<b>Color</b>	Gray																				
<b>Sheen</b>	Flat																				
<b>Adhesion</b>	5B																				
CHEMICAL RESISTANCE																					
<b>5000 Hours Salt Spray</b>	Excellent																				

APPLICATION DATA (CONT.)	SAFETY (CONT.)										
<p><b>Drying Times*</b> (6 mils wet @ 77°F(25°C) and 50% relative humidity)</p> <table border="1" data-bbox="186 220 792 430"> <tr> <td>To Touch:</td> <td>10 minutes</td> </tr> <tr> <td>To Handle:</td> <td>30 minutes</td> </tr> <tr> <td>To Dry:</td> <td>20-30 minutes</td> </tr> <tr> <td>Recoat:</td> <td>45-90 minutes (recoat should not be necessary)</td> </tr> <tr> <td>Force Dry:</td> <td>If required can be force dried up to 300° F after a 10 minute flash.</td> </tr> </table> <p><i>Recommended Wet Film Build:</i> 1.7 - 5.0 mils</p> <p><i>Recommended Dry Film Build:</i> 0.5 – 1.5 mils</p> <p>Film in excess or below these recommended film builds may cause problems such as, adhesion failure, pigment floatation, solvent popping, slow cure, and accelerated gloss and color failure.</p> <p><b>Recommended Spreading Rate</b> 481 sq. ft. @ 1.0 mil dry film per U.S. gallon. Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.</p> <p><b>Clean Up</b> CPC-SP9001</p> <p><b>Application Precautions and Limitations</b> Special attention should be given to all edges, pits, welds, corners, rivets and other rough spots to ensure complete coverage.</p>	To Touch:	10 minutes	To Handle:	30 minutes	To Dry:	20-30 minutes	Recoat:	45-90 minutes (recoat should not be necessary)	Force Dry:	If required can be force dried up to 300° F after a 10 minute flash.	<p><b>PRECAUTIONARY INFORMATION</b> Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all warnings and precautionary information on all product labels. Prevent all contact with skin and eyes and breathing of vapors and spray mist. Repeated inhalation of high vapor concentrations may cause a series of progressive effects including irritation of the respiratory system, permanent brain and nervous system damage and possible unconsciousness and death in poorly ventilated areas. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. <b>KEEP OUT OF THE REACH OF CHILDREN</b></p> <p><b>MEDICAL RESPONSE</b> Emergency Medical or Spill Control Information (412) 434-4515; CANADA (514) 645-1320 Have label information available.</p> <p><b>MATERIAL SAFETY DATA SHEET</b> Material Safety Data Sheets for the PPG products mentioned in this publication are available through your PPG Distributor. FOR ADDITIONAL INFORMATION REGARDING THIS PRODUCT, SEE THE MSDS AND LABEL INFORMATION.</p> <p>To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries, Inc. is constantly improving its coatings and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG Distributor for the most up-to-date information.</p>
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<p>These materials are designed for application only by professional, trained personnel, using proper equipment under controlled conditions and are not intended for sale to the general public. Safe application of paints and coatings requires knowledge of equipment materials and individual training. Directions and precautionary information on both equipment and products should be carefully read and strictly observed for personal safety and property protection. Consideration must be given to eliminate conditions, which may generate hazardous atmospheres during spray application or subject operators or bystanders to injury or illness. Special precautions must be taken when utilizing spray equipment, particularly airless equipment. High-pressure injection of coatings into the skin by airless equipment may cause serious injury requiring immediate medical attention at a hospital. Treatment advice may also be obtained from Poison Centers. Air quality should be maintained with adequate ventilation; applicators can achieve additional protection by wearing respirators and other protective garments such as gloves and overalls. In all cases, wear protective eye equipment. During the application of all coatings materials, all flames, welding and smoking must be prohibited. Explosion proof equipment must be used when coating these materials in confined areas.</p>											

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