**PRODUCT DESCRIPTION**

ZINC PLATE ULTRA II PCP is an inorganic preconstruction zinc shop primer providing heat-resistance up to 1472°F (800°C), excellent welding properties, and resistance to zinc salt formation caused by weathering. It is also designed to minimize the generation of zinc fume comparing with typical zinc silicate shop primers. Zinc Plate Ultra II PCP provides productivity, efficiency and flexibility together with improved working environments.

- NSF approved to Standard 61 for potable water
- High heat exposure
- Minimizes need for repair after welding, cutting, or fairing
- Minimizes zinc fume generation

**PRODUCT CHARACTERISTICS**

Finish: Flat

Color: Gray, green, red, orange

Volume Solids: 32.5% ± 2% (per ISO3233), mixed

Weight Solids: 54% ± 2%, mixed

VOC (EPA Method 24): 585 g/L; 4.8 lb/gal, mixed

Zinc Content in Dry Film: 53.2% ± 2% by weight

Mix Ratio: 1.74A:1B by volume

**RECOMMENDED USES**

Super heat-resistant long-exposure shop primer for steel plate

**CERTIFICATE APPROVALS**

When used as part of an approved system/scheme, this material has the following certifications:

- NSF Standard 61: Potable Water Storage for tanks 200,000 gallons (756,000 L) minimum, topcoat recommended.
- Weld Quality: Shop Primers for Corrosion Protection of Steel Plates & Sections (DNV)
- Thermal Cutting: ISO 17652-3 Influence of Primer of Max. Speed Usable for Thermal Cutting
- Weld Fume Generation: ISO 17652-4 Emission of Fumes and Gases

**APPLICATION EQUIPMENT**

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up: Reducer #58 (0 ~ 25%, up to one quart per mixed gallon)

Airless Spray

Packings ................. Teflon
Tips ......................... 0.19” through .023”
Fan angle ................. 65 through 80 degree
Nozzle pressure .......... 1200 psi / 80 bar

Conventional Spray

Pot pressure ............... 2.5-5.0 bar / 35-75 psi
Atomizing pressure .... 1.5-2.5 bar / 20-35 psi
Air hose ................. 10 mm / 3/8” internal diameter
Material hose .......... 13 mm / 1/2” internal diameter

If specific application equipment is not listed above, equivalent equipment may be substituted.
### ZINC PLATE ULTRA II PCP

**PRODUCT INFORMATION**

#### RECOMMENDED SYSTEMS

<table>
<thead>
<tr>
<th>Steel/Atmospheric:</th>
<th>Dry Film Thickness / ct. Mils (Microns)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ct. Zinc Plate Ultra II PCP</td>
<td>0.5-1.2 (13-30)</td>
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</tr>
<tr>
<td>1 ct. Macropoxy 646</td>
<td>5.0-10.0 (125-250)</td>
</tr>
</tbody>
</table>

**Steel/Immersion:** Topcoat required

<table>
<thead>
<tr>
<th>Acceptable Topcoats</th>
<th>Min tank Size</th>
</tr>
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<tbody>
<tr>
<td>2 cts. Tank Clad HS</td>
<td>200,000 gallons (756,000 L)</td>
</tr>
<tr>
<td>2 cts. Macropoxy 646 PW</td>
<td>200,000 gallons (756,000 L)</td>
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<td>2 cts. Macropoxy 846 PW</td>
<td>200,000 gallons (756,000 L)</td>
</tr>
<tr>
<td>2 cts. Dura-Plate 235 PW</td>
<td>200,000 gallons (756,000 L)</td>
</tr>
<tr>
<td>1-2 cts. Dura-Plate UHS</td>
<td>200,000 gallons (756,000 L)</td>
</tr>
<tr>
<td>1-2 cts. SherPlate PW Epoxy</td>
<td>200,000 gallons (756,000 L)</td>
</tr>
<tr>
<td>1 ct. SherFlex Elastomeric</td>
<td>200,000 gallons (756,000 L)</td>
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</table>

#### SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Zinc rich coatings require direct contact between the zinc pigment in the coating and the metal substrate for optimum performance.

Abrasive blasting to ISO-Sa 2.5, SSPC-SP10 is recommended.

Surface profile should be angular and jagged with a profile height of 1.5 - 3 mils (38 - 75 µm)

#### TINTING

Do not tint.

#### ORDERING INFORMATION

<table>
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<tr>
<th>Packaging:</th>
<th>Part A (Binder): 12.04 L / 3.18 gal</th>
</tr>
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<tbody>
<tr>
<td>Part B (Paste): 6.89 L / 1.82 gal</td>
<td></td>
</tr>
<tr>
<td>Weight:</td>
<td>11.09 ± 0.2 lbs/gal ; 1.33 Kg/L, mixed</td>
</tr>
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#### MIXING INSTRUCTIONS

Mix contents of each component thoroughly using low speed power agitation. Make certain no pigment remains on the bottom of the can. Then pour one unit of Part A into one unit of Part B. Thoroughly agitate the mixture with low speed power agitation. Re-stir before using. Continuous agitation recommended during application.

#### SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

#### WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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#### NSF Systems

**Potable Water**

Steel/Immersion: Topcoat required

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#### CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Reducer #58. Clean tools immediately after use with Reducer #58. Follow manufacturer's safety recommendations when using any solvent.

#### DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

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