COROTHANE® I GALVAPAC

1K ZINC PRIMER

B65G11
B65RW11

GRAY
RED

Product Information

Product Description

COROTHANE I GALVAPAC 1K ZINC PRIMER is a moisture curing urethane zinc-rich primer. Designed for low temperature application to steel surfaces.

- Meets Class B requirements for Slip Coefficient
- Resistant to mudcracking
- Easy to apply and recoat
- NSF approved to Standard 61 for potable water application to steel surfaces.
- Curing urethane zinc-rich primer. Designed for low temperature curing urethane.

Recommended Uses

- 250,000 gallon untopcoated
- 20,000 gallon minimum topcoated
- Meets requirements of SSPC Paint Spec No. 40, Type I and Type II, for zinc rich moisture cure urethane primer
- Meets requirements of SSPC Paint 20, Level 1
- As a primer in a urethane coating system for bridges, tanks, chemical, and marine structures
- Ideal for priming water assisted abrasive blasted surfaces where flash rusting or blooming limits the use of conventional zinc rich coatings
- Acceptable for use with cathodic protection with select topcoats
- Conforms to AWWA D102 Inside Coating System #3 (ICS-3), Inside Coating System #5 (ICS-5), Inside Coating System #6 (ICS-6), Outside Coating System #2 (OCS-2), Outside Coating System #3 (OCS-3). Outside Coating System #4 (OCS-4), and Outside Coating System #6 (OCS-6)
- A component of INFINITANK

Product Characteristics

Finish: Flat
Color: Gray and Red
Volume Solids: 67% ± 2%
Weight Solids: 91.7% ± 2%
VOC (calculated): <300 g/L; 2.5 lb/gal (unreduced)
Zinc Content in Dry Film: <340 g/L; 2.8 lb/gal (reduced 10%)

Recommended Spreading Rate per coat:

<table>
<thead>
<tr>
<th>Standard</th>
<th>AWWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet mils (microns)</td>
<td>4.5 112</td>
</tr>
<tr>
<td>Dry mils (microns)</td>
<td>3.0 75</td>
</tr>
<tr>
<td>~Coverage sq ft/gal (m²/L)</td>
<td>268 6.5</td>
</tr>
<tr>
<td>Theoretical coverage sq ft/ gal (m²/L)</td>
<td>1072 (26.2)</td>
</tr>
</tbody>
</table>

Reduction/Clean Up:

- Reducer #111, R7K111 for non-NSF, VOC exempt applications

Drying Schedule @ 5.0 mils wet (125 microns):

- @ 40°F/4.5°C @ 77°F/25°C @ 100°F/38°C 50% RH
- To touch: 45 minutes 20 minutes 10 minutes
- To recoat (minimum), atmospheric service: 8 hours 4-6 hours 1 hour
- To recoat (minimum), immersion service: 24 hours 12 hours 10 hours
- To recoat (maximum): 12 months 12 months 12 months
- To cure, atmospheric service: 5 days 3 days 1 day
- To cure, immersion service: 14 days 7 days 5 days

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

For potable water service, consult www.sherwin-williams.com/protective continuously on back
Protective & Marine Coatings

COROTHANE® I GALVAPAC
1K ZINC PRIMER

B65G11 GRAY
B65RW11 RED

Product Information

Recommended Systems

<table>
<thead>
<tr>
<th>Immersion Service (Potable Water), Steel: *AWWA D102: Inside Coating System No. 5</th>
<th>Dry Film Thickness / ct.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Miles</td>
</tr>
<tr>
<td>Minimum AWWA</td>
<td>10.0</td>
</tr>
<tr>
<td>1 ct. Corothane I GalvaPac 1K Zinc Primer</td>
<td>2.0</td>
</tr>
<tr>
<td>2 ct. Macropoxy 646 PW</td>
<td>4.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Immersion Services (Potable Water), Ductile Iron Pipe:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ct. Corothane I GalvaPac 1K Zinc Primer</td>
<td>3.0-4.0</td>
</tr>
<tr>
<td>2 ct. Macropoxy 646 PW</td>
<td>5.0-10.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Immersion Service (Non-Potable Water), Steel:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ct. Corothane I GalvaPac 1K Zinc Primer</td>
<td>3.0-4.0</td>
</tr>
<tr>
<td>2 ct. Corothane I Coal Tar</td>
<td>5.0-7.0</td>
</tr>
</tbody>
</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.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel
- Atmospheric: SSPC-SP6, 2 mil (50 micron) profile preferred
- Immersion, with recommended topcoat: SSPC-SP10/NACE 2, 2 mil profile

Ductile Iron Pipe:
- Atmospheric: NAPF 500-03-03 Power Tool Cleaning
- Buried & Immersion: NAPF 500-03-04 Abrasive Blast Cleaning

Surface Preparation Standards

<table>
<thead>
<tr>
<th>Condition of Surface</th>
<th>ISO 8501-1</th>
<th>Swedish Std.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Metal</td>
<td>Sa 3</td>
<td>SPS 6</td>
</tr>
<tr>
<td>Near White Metal</td>
<td>Sa 2.5</td>
<td>Sa 2.5</td>
</tr>
<tr>
<td>Commercial Blast</td>
<td>Sa 2</td>
<td>Sa 2</td>
</tr>
<tr>
<td>Brush-Off Blast</td>
<td>Sa 1</td>
<td>Sa 1</td>
</tr>
<tr>
<td>Hand Tool Cleaning</td>
<td>C St 2</td>
<td>C St 2</td>
</tr>
<tr>
<td>Power Tool Cleaning</td>
<td>C St 3</td>
<td>C St 3</td>
</tr>
</tbody>
</table>

Tinting

Do not tint.

Application Conditions

Temperature: 20°F (-7°C) minimum, 120°F (49°C) maximum

Do not apply over surface ice

Relative humidity: 30% minimum, 99% maximum

Refer to product Application Bulletin for detailed application information.

Ordering Information

Packaging: 3 gallon (11.3L) container

Weight: 28.5 ± 0.2 lb/gal ; 3.42 Kg/L

Safety Precautions

Refer to the SDS 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.

Disclaimer

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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.

www.sherwin-williams.com/protective
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.

Iron & Steel, Immersion Service:
Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Remove all weld spatter and round all sharp edges by grinding. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Iron & Steel, Atmospheric Service:
Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Ductile Iron Pipe, Atmospheric Service:
Minimum surface preparation is Power Tool Clean per NAPF 500-03-03. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

Ductile Iron Pipe, Buried and Immersion Service:
Minimum surface preparation is Abrasive Blast Cleaning per NAPF 500-03-04. Ductile iron pipe external surfaces, in some cases, can be damaged by excessive abrasive blast cleaning beyond this standard. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

Ductile Iron Fittings:
Minimum surface preparation is Abrasive Blast Cleaning of Cast Ductile Iron Fittings per NAPF 500-03-05. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

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<tr>
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</table>

Temperature: air and surface 20°F (-7°C) minimum, 120°F (49°C) maximum
material: 45°F (7°C) minimum
Relative humidity: 30% minimum, 99% maximum

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 #15, R7K15 (or) Reducer #111, R7K111 for non-NSF, VOC exempt applications

Airless Spray
Pump.................................30:1
Pressure.........................2500 - 3000 psi
Hose.........................1/4" ID
Tip.............................017" - .019"
Filter..........................60 mesh
Reduction..........................As needed up to 10% by volume

Conventional Spray
Unit.................................Graco  Binks
Gun...............................900  95
Fluid Nozzle...............070  66/65
Air Nozzle...............947  66PR
Atomization Pressure....60-70 psi 60-70 psi
Fluid Pressure............15-20 psi 15-20 psi
Reduction..........................As needed up to 10% by volume

Brush
Brush.............................Natural bristle
Reduction..........................As needed up to 10% by volume

Roller
Cover .............................3/8" natural or synthetic with solvent resistant core
Reduction..........................As needed up to 10% by volume

If specific application equipment is not listed above, equivalent equipment may be substituted.

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**APPLICATION PROCEDURES**

Surface preparation must be completed as indicated. Mix material thoroughly prior to use with a low speed power agitator until completely uniform. After mixing, pour through a 50 mesh filter.

Apply paint at the recommended film thickness and spreading rate as indicated below:

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<td>Wet mils (microns)</td>
</tr>
<tr>
<td>Dry mils (microns)</td>
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</table>

Coverage sq ft/gal (m²/L) = 268 6.5 358 8.8 268 6.5 536 13.1

Theoretical coverage sq ft/gal (m²/L) = 1072 (26.2)

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

If maximum recoat time is exceeded, abrade surface before recoating.

Drying time is temperature, humidity, and film thickness dependent. For portable water service, consult www.nsf.org for details on recoat and dry times at indicated temperature. Sterilize and rinse per AWWA C652.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

**CLEAN UP INSTRUCTIONS**

Clean spills and spatters immediately with Reducer #15, R7K15 or R7K111. Clean tools immediately after use with Reducer #15, R7K15 or R7K111. Follow manufacturer’s safety recommendations when using any solvent.

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**PERFORMANCE TIPS**

Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Reducer #15, R7K15 or R7K111.

Pour a small amount of Reducer #15, R7K15 or R7K111 over the top of the paint in the can to prevent skinning or gelling.

Place a temporary cover over the pail to keep excessive moisture, condensation, fog, or rain from contaminating the coating.

It is recommended that partially used cans not be sealed/closed for use at a later date.

An intermediate coat is recommended to provide a uniform appearance of the topcoat.

Not for use with cathodic protection except as indicated under the recommended systems.

Corothane I KA Accelerator is acceptable for use (except NSF applications). See data page 5.98 for details.

Refer to Product Information sheet for additional performance characteristics and properties.

**SAFETY PRECAUTIONS**

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