PRODUCT INFORMATION

PRODUCT DESCRIPTION
SEAGUARD ABLATIVE ANTIFOULING COATING is an advanced antifouling coating based on a polyamide polymer containing cuprous oxide. Recommended for the underwater surfaces of steel vessels operating in all coastal and oceanic waters. This product maintains an effective, bio-active surface during its entire life.

- Long Life
- Brush, roll, or spray application
- A tin-free ablative coating
- Complies with the requirements of MIL-PRF-24647

PRODUCT CHARACTERISTICS

<table>
<thead>
<tr>
<th>Finish:</th>
<th>Flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Red, Black, and Blue</td>
</tr>
<tr>
<td>Volume Solids:</td>
<td>65% ± 2%</td>
</tr>
<tr>
<td>VOC (EPA Method 24):</td>
<td>&lt;400 g/L; 3.33 lb/gal, maximum</td>
</tr>
</tbody>
</table>

Recommended Spreading Rate per coat:

<table>
<thead>
<tr>
<th>Wet mils (microns)</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0 (100)</td>
<td>7.0 (175)</td>
<td></td>
</tr>
<tr>
<td>Dry mils (microns)</td>
<td>2.5 (63)</td>
<td>4.0 (100)</td>
</tr>
<tr>
<td>~Coverage sq ft/gal (m²/L)</td>
<td>260 (6.4)</td>
<td>430 (10.5)</td>
</tr>
<tr>
<td>Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft</td>
<td>1040 (25.5)</td>
<td></td>
</tr>
</tbody>
</table>

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

Drying Schedule @ 5.0 mils wet (125 microns):

<table>
<thead>
<tr>
<th>30°F-1.1°C</th>
<th>50°F/10°C</th>
<th>70°F/21°C</th>
<th>85°F/29°C</th>
<th>100°F/38°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>50% RH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To recoat:
- minimum: 32 hrs 16 hrs 8 hrs 4 hrs 2 hrs

Undocking*:
- 48 hrs 24 hrs 12 hrs 8 hrs 4 hrs

No maximum recoat time; however, any contamination must be removed by high pressure washing prior to applying the next coat.

*Undocking:
- Minimum: depends on the number of coats applied, film thickness, and temperature.
- Maximum: depends on the exposure conditions. Refer to Performance Tips section for details.

Shelf Life: 36 months, unopened
- Store indoors at 40°F (4.5°C) to 100°F (38°C)

Flash Point: 72°F (22°C), SETA Flash

Reducer/Clean Up: VM&P Naphtha, R1K3

RECOMMENDED USES
For use on prepared surfaces in marine environments

- As an antifoulant for underwater hull and boot top on vessels operating in global trade with short to medium idle times.
- Use on vessels with a service speed exceeding 10 Knots.

PERFORMANCE CHARACTERISTICS

- Resists fouling
- Contains 49% Cuprous Oxide

Colors
- Red P30RQ10
- Black P30BQ12
- Blue P30LQ13

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PRODUCT INFORMATION

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, bare: SSPC-SP10/NACE 2
(For anticorrosive primer coat)
Previously Painted: Clean, dry, sound

Surface Preparation Standards

<table>
<thead>
<tr>
<th>Condition of Surface</th>
<th>ISO 8501-1</th>
<th>Swedish Std.</th>
<th>SSPC</th>
<th>NACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Metal</td>
<td>Sa 3</td>
<td>Sa 3</td>
<td>SP 6</td>
<td>2</td>
</tr>
<tr>
<td>Near White Metal</td>
<td>Sa 2.5</td>
<td>Sa 2.5</td>
<td>SP 10</td>
<td>2</td>
</tr>
<tr>
<td>Commercial Blast</td>
<td>Sa 3</td>
<td>Sa 3</td>
<td>SP 5</td>
<td>1</td>
</tr>
<tr>
<td>Brush-Off Blast</td>
<td>Sa 2.5</td>
<td>Sa 2.5</td>
<td>SP 6</td>
<td>3</td>
</tr>
<tr>
<td>Hand Tool Cleaning</td>
<td>D St 2</td>
<td>D St 2</td>
<td>SP 7</td>
<td>4</td>
</tr>
<tr>
<td>Pitted &amp; Rusted</td>
<td>D St 2</td>
<td>D St 2</td>
<td>SP 7</td>
<td>4</td>
</tr>
<tr>
<td>Power Tool Cleaning</td>
<td>D St 3</td>
<td>D St 3</td>
<td>SP 5</td>
<td>3</td>
</tr>
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<td>D St 3</td>
<td>D St 3</td>
<td>SP 5</td>
<td>3</td>
</tr>
</tbody>
</table>

Tinting
Do not tint.

Application Conditions

- Maximum application temperature is 120°F (49°C)
- Surface temperature must be at least 5°F (2.8°C) above the dew point
- No surface ice, moisture, or condensation may be allowed on the surface during application

Ordering Information

Packaging: 5 gallon (18.9L) containers
Weight: 18.5 ± lb/gal ; 2.22 Kg/L

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.
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, bare
Minimum surface preparation is Near White Blast Cleaning per SSPC-SP6/NACE 3. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. 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. Prime any bare steel within 8 hours or before flash rusting occurs, with the appropriate anticorrosive primer. See recommended systems or contact your Sherwin-Williams Marine Representative.

Previously Painted Antifouling Surfaces
Remove possible oil, grease, etc. with suitable detergent. Rinse using high pressure, fresh water cleaning, which will also remove any weak, outer layer of leached antifouling. Allow the surface to dry before overcoating. Whether or not to use a sealer coat over an existing antifouling depends on the type and condition of the existing antifouling.

Surface Preparation Standards

<table>
<thead>
<tr>
<th>Condition of Surface</th>
<th>ISO 8501-1 BS 7579: A1</th>
<th>Swedish Std. SIS 055900</th>
<th>SSPC</th>
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</tr>
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<td>4</td>
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<tr>
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<td>C St 2</td>
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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 .......... VM&P Naphtha, R1K3

Airless Spray
- Pressure: 3600 psi
- Hose: 3/8" ID
- Tip: .023" - .027"
- Filter: 100 mesh
- Reduction: as needed up to 5% by volume

Brush
- Brush: Natural Bristle
- Reduction: as needed up to 5% by volume

Roller
- Cover: 3/8" woven with solvent resistant core
- Reduction: as needed up to 5% by volume

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

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SEAGUARD® ABLATIVE ANTI FouLING COATING

P30RQ10 .............. RED
P30BQ12 .............. BLACK
P30LQ13 .............. BLUE

APPLICATION BULLETIN

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly with low speed power agitation prior to use. Make sure there is no settling on the bottom of the can.

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

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- minimum: 32 hrs 16 hrs 8 hrs 4 hrs 2 hrs
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*Undocking:
- Minimum: depends on the number of coats applied, film thickness, and temperature.
- Maximum: depends on the exposure conditions. Refer to Performance Tips section for details.

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 VM&P Naphtha, R1K3. Clean tools immediately after use with VM&P Naphtha, R1K3. 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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