VpCl®-368 / VpCl®-368 EVP

PRODUCT DESCRIPTION

VpCl®-368 is a time-proven coating that provides excellent protection to metal substrates exposed to harsh outdoor conditions. VpCl®-368 leaves a firm, wax-like film that can be removed by mineral spirits or alkaline cleaners such as Cortec® VpCl®-414.

VpCl®-368 EVP is available for applications in complex, sealed spaces where a greater concentration of vapor inhibitor would be needed.

FEATURES

• Flexible
• Excellent salt spray protection
• Excellent outdoor protection
• Multimetal protection
• Excellent UV resistance
• Moisture displacing
• Cured film is heat stable up to 392°F (200°C)
• Commercial equivalent to MIL-PRF-16173E (Grades 1 and 2)
• NATO 6850-66-132-5848
• NATO 6850-66-132-6099
• NSN 8030-00-062-6950
• NSN 8030-00-231-2345
• NSN 8030-00-244-1300
• NSN 8030-01-470-2601

TYPICAL APPLICATIONS

• Pipe coating
• Parts storage
• Underbody coating
• Wire rope
• Steel plate
• Machined parts

METALS PROTECTED

• Carbon Steel
• Stainless Steel
• Copper
• Aluminum
• Cast Iron

PROTECTION PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>ASTM</th>
<th>DFT</th>
<th>Carbon Steel (1010)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salt Spray</td>
<td>B-117</td>
<td>2-3 mils (50-75 microns)</td>
<td>900-1500 hr</td>
</tr>
<tr>
<td>Prohesion</td>
<td>G-85</td>
<td>4-7 mils (100-175 microns)</td>
<td>2000 hr</td>
</tr>
<tr>
<td>Humidity</td>
<td>D-1748</td>
<td>2-3 mils (50-75 microns)</td>
<td>2500+ hr</td>
</tr>
</tbody>
</table>

APPLICATION

VpCl®-368 may be applied by brushing or spraying. A film thickness of at least 2-3 mils (50-70 microns) is recommended for uncovered outdoor storage.

Surface Preparation:

<table>
<thead>
<tr>
<th></th>
<th>NACE</th>
<th>SSPC</th>
<th>ARS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 or 4</td>
<td>6 or 7</td>
<td>High B-2</td>
</tr>
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</table>

Product Cleanup:

• Use solvents or mineral spirits for cleanup of equipment.
• Solvent, wax strippers, or alkaline cleaners such as VpCl®-414 can be used for clean up of overspray.
TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Dark brown viscous liquid</td>
</tr>
<tr>
<td>Coverage</td>
<td>300-330 ft²/gal @ 3 mils (7-8 m²/l @ 75 microns)</td>
</tr>
<tr>
<td>Dry Film Time</td>
<td>12-24 hours</td>
</tr>
<tr>
<td>Drying to Touch Time</td>
<td>0.5-3 hours</td>
</tr>
<tr>
<td>Film Type</td>
<td>Firm, wax-like</td>
</tr>
<tr>
<td>Removal Method</td>
<td>Petroleum solvents</td>
</tr>
<tr>
<td>Carrier</td>
<td>Mineral spirits</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>24 months @ 75°F (24°C)</td>
</tr>
<tr>
<td>Non-volatile Content</td>
<td>60-65%</td>
</tr>
<tr>
<td>Viscosity at 23°C</td>
<td>600-5,000 cps (6 rpm) Spindle #2</td>
</tr>
<tr>
<td>VOC</td>
<td>2.9-3.1 lb/gal (347-372 g/l)</td>
</tr>
<tr>
<td>Density</td>
<td>7.4-7.7 lb/gal (0.89-0.92 kg/l)</td>
</tr>
</tbody>
</table>

Note: Coating dry time is affected by temperature, air-flow and humidity.

PACKAGING AND STORAGE

VpCI®-368 is available in 5 gallon (19 liter) steel pails, 55 gallon (208 liter) metal drums, totes, and bulk.

Available as CorShield® VpCI®-368 in 11 oz. (312 g) aerosol cans.

RECOMMENDED SPRAY EQUIPMENT

This information is based on spraying VpCI®-368 at 3 parts concentrate to 1 part mineral spirits. A ready-to-use version of VpCI®-368 is also available. The viscosity range is between 100-1,000 cps. If using a dilution other than this, please consult a Cortec® or Graco representative.

Model 510 Airless/AA Plus
Pump 30:1 President
Tip 0.011-0.015 in (0.028-0.038 cm)
Cap Standard
Filter 60 Mesh High Pressure
Air Pressure 80 psi
Fluid Hose 3/8” x 10’ with ¼” whip hose for ease of handling
Fluid Pressure 2000/1700 psi (138/117 bar) (Supply/Gun)

The minimum fluid atomization pressure required is 1500 psi (103 bar), which gives 2-4 mils (50-100 microns) WFT/pass.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION

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Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
http://www.cortecvci.com
http://cortecoatings.com/

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