**VpCl®-375**

**PRODUCT DESCRIPTION**

VpCl®-375 is a unique, water-based acrylic one coat system (primer & topcoat) that successfully provides protection in harsh, outdoor, unsheltered applications. The complex mixture of organic inhibitors offers protection that can compete with most paints and zinc-rich primers.

VpCl®-375 provides a fast-drying thixotropic coating that is resistant to sagging or running, forming a tough protective barrier. This dry-to-touch film offers extended protection for outdoor or indoor conditions. It gives optimal outdoor performance without cracking or chipping upon prolonged exposure to sunlight.

**FEATURES**

- Fast-drying
- Non-flammable
- UV resistant when dried
- Optimal outdoor performance
- Can be used as one coat system (primer & topcoat)
- Provides multimetal protection

**METALS PROTECTED**

- Carbon steel
- Copper
- Aluminum**
- Stainless steel
- Galvanized steel**

**CORROSION RESISTANCE DATA**

*(on carbon steel 1010 Q-panels)*

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Dry Film Thickness</th>
<th>Hours to Failure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM B-117 (Salt-spray)</td>
<td>4.0-4.5 (100.0-112.5)</td>
<td>2500 +</td>
</tr>
<tr>
<td>ASTM D1748 (Humidity)</td>
<td>4.0 - 4.5 (100-112.5)</td>
<td>2000 +</td>
</tr>
<tr>
<td>ASTM D870 (Water Immersion Resistance)</td>
<td>4.0 (100)</td>
<td>5B Adhesion after 24 hours Recovery 312 hours</td>
</tr>
</tbody>
</table>

**TYPICAL PROPERTIES**

- Appearance: Liquid, various colors
- Density: 8.5-10.2 lb/gal (1.01-1.22 kg/l)
- Non-volatile Content: 40-52%
- Dry Film Thickness: 3.0-5.0 mils (per coat) (75-125 microns)
- Theoretical Spread Rate: 128-214 ft²/gal (3-5 mils) (3.2-5.3 m²/l) (75-125 microns)
- Dry to Touch Time: 20 minutes @ 77°F (25°C) at 3 mils (75 microns) WFT
- Fully Cured: 7 days @ 77°(25°C) 55% RH
- Temperature Stability: 45°-90°F (7°-32°C)
APPLICATION

VpCI®-375 when applied in 4 mil DFT can be used as a topcoat and primer. VpCI®-375 can also be used as a topcoat with Cortec® VpCI®-374 primer. When solvent-based topcoats are applied over VpCI®-375, compatibility must be checked.

Note: Make sure dew point is more than 5°F (2°C) less than air temperature for application.

Power agitate to a uniform consistency using a “squirrel cage” type mixer, hand-held drill mixer, or other equivalent method.

VpCI®-375 can be applied by spray, roll, brush, or dip.

Conventional Spray

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>GunModel</th>
<th>Tip/Aircap Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>DevIlbiss</td>
<td>MBC or JGA</td>
<td>704E</td>
</tr>
<tr>
<td>Binks</td>
<td>#18 or #62</td>
<td>66PE</td>
</tr>
</tbody>
</table>

Fluid hose should be 3/8” (0.95 cm) I.D. with a maximum length of 50 feet (15.2 m). Pot should always have dual regulation and be kept at same elevation as spray gun.

Airless

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>GunModel</th>
<th>Tip/Aircap Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graco</td>
<td>205-591</td>
<td>Bulldog</td>
</tr>
<tr>
<td>Binks</td>
<td>Model 500</td>
<td>Mercury 5C</td>
</tr>
<tr>
<td>DevIlbiss</td>
<td>JGN-501</td>
<td>QFA-519</td>
</tr>
</tbody>
</table>

Hose should be 3/8” (0.95 cm) I.D. minimum, but a ¼” (0.64 cm) I.D. whip end section may be used for ease of application. A maximum length of 100 feet (30.5 m) is suggested. Best results will be obtained using a 0.013”-0.017” (0.3-0.4 cm) tip at 1200-1700 psi (83-117 bar).

Note: Nylon or Teflon type packings are available from pump manufacturer and are highly recommended.

Note: Similar equipment may be suitable.

PACKAGING AND STORAGE

VpCI®-375 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk. Keep product from freezing. Product shelf life is 1 year.