**VpCl®-387**

**Water-Based Outdoor Coating**

**PRODUCT DESCRIPTION**

VpCl-387 is a high-build topcoat that provides long-term corrosion inhibition for metal substrates in tough atmospheric conditions. VpCl-387 is excellent for applications that require a thicker coating for added physical protection. VpCl-387 can be applied directly to metal or used in conjunction with a primer (provided compatibility has been checked). VpCl-387 has excellent UV light resistance.

VpCl-387 is available in custom colors.

**FEATURES**

- Consistent film build
- High-build film (6-8 mils/150-200 microns) DFT
- Multimetal protection
- Long-term protection (10 years)
- Semi-gloss appearance
- Water-based
- Non flammable

**APPLICATION**

VpCl-387 must be thoroughly mixed prior to use. Apply by brush, spray, or roller. Normal WFT of 13-15 mils (325-375 microns) yields 6-8 mils (150-200 microns) DFT.

**TYPICAL PROPERTIES**

- **Appearance**
  - Viscous liquid, various colors
- **Full Cure Time**
  - 7 days
- **Dry to Recoat Time**
  - 4-7 hr.
- **Dry to Touch Time**
  - 30-60 minutes
- **Film Type**
  - Hard
- **Non-volatile Content**
  - 35-51% weight
- **Salt Spray (ASTM B 117)**
  - 500 hr @ 5-6 mils (125-150 microns) DFT on Carbon Steel
  - 1500 hr. @ 6-7 mils (150-175 microns) DFT on Carbon Steel
- **Prohesion (ASTM G-85)**
  - 1500 hr. @ 6-7 mils (150-175 microns) DFT on Carbon Steel
- **Shelf Life**
  - 12 months @ 75°F/24°C
- **Theoretical Coverage**
  - 92-123 ft²/gal at 6-8 mils (2.6-3.7 m²/l at 150-200 microns)
- **VOC Regulatory**
  - 1.8-1.9 lb/gal (215-227 g/l)
- **VOC Actual**
  - 0.8-0.9 lb/gal (95.8-107.8 g/l)
- **Density**
  - 8.3-10.3 lb/gal (1.11-1.23 kg/l)
- **pH**
  - 8.5-9.5 (Neat)
- **Temperature Resistance**
  - -150°F to 350°F (-78°C to 180°C)
- **DFT Recommended**
  - 6-8 mils (150-200 microns)

*The physical properties vary for the custom color versions of VpCl-387.*

**All dry times are at 70°F (21°C) at 50-55% Relative Humidity**

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

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**SUBSTRATE PREPARATION**

- **NACE**
  - 2 or 3
- **SPC**
  - SP 6 or 10
- **ARS**
  - Low A-3 or better

Product cleanup:

Use soap and water to cleanup tools and overspray.
Airless

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Gun Model</th>
<th>Tip/Aircap Combination</th>
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</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>
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<tr>
<td>DeVilbiss</td>
<td>JGN-501</td>
<td>QFA-519</td>
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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" (0.03-0.04 cm) tip at 1200-1700 psi (83-117 bar).

LIMITATIONS
Avoid using VpCI-387 in situations where the coating is immersed in water or other liquids as this could lead to softening of the film.

PACKAGING AND STORAGE
VpCI-387 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk. Keep product from freezing.

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

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