UreGrip® 3000 HS VOC

High Solids Acrylic Urethane Finish Coating

**Features**
- High gloss finish
- Locally available color system
- VOC compliant
- Excellent hardness on warm surfaces
- Rapid and extended recoat windows
- Excellent gloss and color retention
- Excellent wetting and adhesion properties
- Flexible film
- Low temperature cure capabilities
- Rapid handling characteristics
- DTM capabilities
- Good chemical resistance

**Typical Uses**
UreGrip 3000 HS VOC is used as a finish coat for epoxies and polyurethane where long term color and gloss retention is desired. Used on structural steel, steel tanks, barges, refineries, petrochemical plants, power plants, railcars, pulp & paper mills, masonry surfaces and others as recommended.

**Qualifications**
Exceed requirements of SSPC Paint Specification No. 36.

**Performance Data**
Salt Spray (ASTM B 117) 7200 hours (over ZincGard 1000/EpoxyGrip 2000)
- Plane blistering or rusting: none
- Accelerated Weathering (ASTM D 4587) 4000 hours
  - + 82 % gloss retention
- Weathering (ASTM D 1014, South Florida) 6 months
  - 100% gloss retention

**Physical Data**
- Abrasion resistance (ASTM D 4060)
  - 1 kg load/1000 cycles (ASTM D 4060)
  - CS 17 wheel
  - weight loss 26 mg
- Impact resistance (ASTM D 2794)
  - Direct impact 120 in-lbs.
- Adhesion (ASTM D 3359)
  - Over EpoxyGrip 2100 primer 5A
- Temperature resistance (non-immersion)
  - Continuous 250°F
  - Non-continuous 300°F
- Theoretical volume solids content of mixed material
  - 70%±2%
  - 995 sq. ft
- Theoretical coverage of mixed gallon (1 mil)
  - Unthinned .8 lbs./gal.
  - 97 g/l
  - Reducer 6 @ 1 pint/gal.
  - .8 lbs./gal.
  - 97 g/l
  - Reducer 8 @ 1 quart/gal.
  - .8 lbs./gal.
  - 97 g/l

**Resistance**
UreGrip 3000 HS is resistant to a wide range of chemicals in atmospheric exposures. UreGrip 3000HS is not normally recommended for immersion service. The following is a guide to the proper selection.

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Splash &amp; Spillage</th>
<th>Fumes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acidic</td>
<td>Good</td>
<td>Excellent</td>
</tr>
<tr>
<td>Alkaline</td>
<td>Good</td>
<td>Excellent</td>
</tr>
<tr>
<td>Solvents</td>
<td>Good</td>
<td>Excellent</td>
</tr>
<tr>
<td>Salt water</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
<tr>
<td>Water</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**Film Thickness (per coat)**
- Dry film thickness: 2 to 3 mils
- Wet film thickness: 3 to 5 mils
- Coverage: 561 sq. ft @ 2 mils
- Note: One coat is normally required; however, certain colors may require additional coats for hiding.

**Primer**
UreGrip 3000 HS VOC is normally applied to an epoxy or urethane coating. UreGrip 3000 HS VOC is recommended over EpoxyGrip 2000 and as a glossy topcoat for UreGrip 3300.

**Topcoats**
UreGrip 3000 HS VOC is not normally topcoated with another coating, as it is normally recoated with itself.

**Colors**
UreGrip 3000 HS VOC will be available in a state-of-the-art color system providing accurate quality matches. A color chart of 100 commonly used colors is provided for your convenience. Custom colors can be computer matched.

**Shipping Data**

<table>
<thead>
<tr>
<th>Packaging unit</th>
<th>1 gal.</th>
<th>5 gal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td>.8 gal.</td>
<td>4 gal.</td>
</tr>
<tr>
<td>Part B</td>
<td>.2 gal.</td>
<td>1 gal.</td>
</tr>
</tbody>
</table>

- Shipping weight (approx.)
  - Package unit 14 lbs.
  - Reducer 6 9 lbs.
  - Reducer 8 15 lbs.
- Reducer 6 9 lbs.
- Reducer 8 15 lbs.
- Flash Point: (Setaflash)
  - Part A 60°F
  - Part B 60°F
  - Reducer 6 60°F
  - Reducer 8 109°F
- Shelf Life: 2 years for both the Part A and B when stored inside at 40°F to 110°F.
**Surface Preparation**
Remove oil and grease from the surface with solvent or a commercial cleaner, which does not leave a residue according to SSPC-SP1. If the prime coat or intermediate coat exceeds the cure time, prepare the surface as recommended by the underlying coating.

**Mixing**
Power mix the Part A, then blend Part B into the Part A and mix until uniform at the following ratio:

<table>
<thead>
<tr>
<th>1 Gal. Kit</th>
<th>5 Gal. Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>UreGrip 3000 HS VOC Pt. A</td>
<td>.8 gallon</td>
</tr>
<tr>
<td>UreGrip 3000 HS VOC Pt. B</td>
<td>.2 gallon</td>
</tr>
</tbody>
</table>

**Thinning**
Reducer 3* or 6 is recommended for application temperatures below 70°F and Reducer 4* or 8 is recommended above 70°.
*Reducer 3 & 4 are only recommended for not VOC exempt thinners.

**Pot Life**
Three hours at 75° and less at higher temperatures.

**Applications Conditions**

<table>
<thead>
<tr>
<th>Material</th>
<th>Surface</th>
<th>Ambient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>50°F</td>
<td>35°F</td>
</tr>
<tr>
<td>Maximum</td>
<td>90°F</td>
<td>110°F</td>
</tr>
</tbody>
</table>

Special thinning and application procedures are required outside these temperatures. Surface temperatures should be 5°F above dew point to prevent condensation, which may dull the finish.

**Application Equipment**

**Conventional Spray**: Industrial sprayers such as DeVilbiss MBC or JGA and Binks 18 or 62 having double regulated pressure pot, 3/8” I.D. minimum material hose and a .070” I.D. fluid tip and air cap are recommended.

**Airless Spray**: Sprayer such as Graco’s Bulldog with a 30:1 ratio and a .013” to .017” tip is recommended. A 60 mesh inline filter is recommended.

**Power Mixer**: Use only explosion proof power mixers.

**Brush or Roller**: Use medium brush and short nap roller with solvent resistant fibers and core.

**Drying Time**
The following minimum times are based on a 2 mil DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

<table>
<thead>
<tr>
<th>Surface Temperature</th>
<th>To Touch</th>
<th>To Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>35°F</td>
<td>12 hrs.</td>
<td>3 days</td>
</tr>
<tr>
<td>50°F</td>
<td>8 hrs.</td>
<td>32 hrs.</td>
</tr>
<tr>
<td>60°F</td>
<td>4 hrs.</td>
<td>16 hrs.</td>
</tr>
<tr>
<td>70°F</td>
<td>2 hrs.</td>
<td>8 hrs.</td>
</tr>
<tr>
<td>80°F</td>
<td>1 hrs.</td>
<td>4 hrs.</td>
</tr>
<tr>
<td>90°F</td>
<td>1/2 hr.</td>
<td>2 hrs.</td>
</tr>
</tbody>
</table>

**Maximum Recoat**
UreGrip 3000 HS VOC is formulated to provide maximum bond strength between coats after weathering. Consequently, there is no time limitation regarding the maximum cure of UreGrip 3000 HS VOC prior to recoating with itself. However, the aged coating must be clean and free of chalk and surface contamination. High pressure washing is an acceptable method to remove chalk and surfce contamination.

**Cleanup**
Cleanup with acetone