COATING SOLUTIONS FORMULATED TO MATCH YOUR NEEDS

UreGrip® 3000
Aliphatic 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 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
  60 mg
Impact resistance (ASTM D 2794)
  Direct impact
  60 in-lbs.
Adhesion (ASTM D 4541)
  Over EpoxyGrip 2100 primer
  5018 psi
Temperature resistance (non-immersion)
  Continuous
  250°F
  Non-continuous
  300°F

**Theoretical volume solids content of mixed material**
61%±1%

**Theoretical coverage of mixed gallon (1 mil)**
978 sq. ft

**Volatile Organic Content**
Unthinned
  2.8 lbs./gal.
Reducer 3 @ 1 quart/gal.
  3.7 lbs./gal.
Reducer 4 @ 1 quart/gal.
  3.7 lbs./gal.
Reducer 6 @ 3 pints/gal.
  2.8 lbs./gal.

**Resistance**
UreGrip 3000 is resistant to a wide range of chemicals in atmospheric exposures. UreGrip 3000 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: 489 sq. ft. @ 2 mils

**Colors**
UreGrip 3000 is 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**
Packaging unit
  1 gal.
  Base
  1 pt.
  Converter
  5 gal.
  4.375 gal.
  5 pts.
Shipping weight (approx.)
  Package unit
  14 lbs.
  1 gal.
  5 lbs.
  Reducer 3
  9 lbs.
  45 lbs.
  Reducer 4
  9 lbs.
  45 lbs.
  Reducer 6
  8 lbs.
  40 lbs.
Flash Point: (Setaflash)
  Base
  82°F
  Converter
  105°F
  Reducer 3
  78°F
  Reducer 4
  108°F
  Reducer 6
  62°F

Shelf Life: 3 years for both the base and the converter 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 Base, then blend Converter into the Base and mix until uniform at the following ratio:

<table>
<thead>
<tr>
<th></th>
<th>1 Gal. Kit</th>
<th>5 Gal. Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>UreGrip 3000 Base</td>
<td>3.75 gallon</td>
<td>4.375 gallon</td>
</tr>
<tr>
<td>UreGrip 3000 Converter</td>
<td>.125 gallon</td>
<td>.625 gallon</td>
</tr>
</tbody>
</table>

Thinning
Reducer 3 is recommended for application temperatures below 70°F and Reducer 4 is recommended above 70°F. Reducer 6 is recommended for applications requiring 2.8 lbs/gal. VOC.

Pot Life
Three hours at 75°F 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 is formulated to provide maximum bond strength between coats after weathering. Consequently, there is no time limitation regarding the maximum cure of UreGrip 3000 prior to recoating with itself. However, the aged coating must be clean and free of chalk.

Cleanup
Cleanup with Reducer 3 or Reducer 4 or Reducer 6.