MultiGrip 7000 XP

Acrylic Siloxane Finish Coating

Features
- High gloss finish
- High Solids
- 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
- Good chemical resistance

Typical Uses
MultiGrip 7000 XP 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.

Performance Data
(Typical Properties)
Salt Spray (ASTM B 117) 7200 hours (over ZincGard 1000/EpoxyGrip 2000)
Plane blistering or rusting: none
Accelerated Weathering (ASTM D 4587) 4000 hours
+99% gloss retention; 8000 hours: 83%; 12,000 hours: 54%.
Weathering (ASTM D 1014, South Florida) 4 years 92% gloss retention

Physical Data
(Typical Properties)
Abrasion resistance (ASTM D 4060) 1 kg load/1000 cycles (ASTM D 4060) weight loss
CS 17 wheel 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 66%±1%
Theoretical coverage of mixed gallon (1 mil)
Volatile Organic Content
Unthinned 2.5 lbs./gal. 303 g/l
Reducer 3 @ 1 pint/gal. 3.0 lbs./gal. 363 g/l
Reducer 4 @ 1 pint/gal. 3.0 lbs./gal. 363 g/l

Resistance
MultiGrip 7000 XP is resistant to a wide range of chemicals in atmospheric exposures. MultiGrip 7000 XP is not normally recommended for immersion service. The following is a guide to the proper selection.

<table>
<thead>
<tr>
<th>Exposure</th>
<th>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: 3 to 6 mils
Wet film thickness: 5 to 8 mils
Coverage: 265 sq. ft. @ 4 mils
Note: One coat is normally required; however, certain colors may require additional coats for hiding.

Primer
MultiGrip 7000 XP is normally applied to an epoxy or urethane coating. MultiGrip 7000 XP is recommended over EpoxyGrip 2100 primer, MasticGrip 2500 and EpoxyGrip 2000.

Topcoats
MultiGrip 7000 XP is not normally topcoated with another coating, as it is normally recoated with itself.

Colors
MultiGrip 7000 XP 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
Packaging unit
Part A 1 gal. 8 gal.
Part B .2 gal. 1 gal.
Shipping weight (approx.)
Package unit 14 lbs. 70 lbs.
Reducer 3 9 lbs. 45 lbs.
Reducer 4 9 lbs. 45 lbs.
Flash Point: (Setaflash)
Part A 82°F
Part B 81°F
Reducer 3 78°F
Reducer 4 108°F
Shelf Life: 2 years for both the Part A and B when stored inside at 40°F to 110°F.
MultiGrip 7000 XP

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>MultiGrip 7000 XP Part A</th>
<th>1 Gal. Kit</th>
<th>.8 gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>MultiGrip 7000 XP Part B</td>
<td>5 Gal. Kit</td>
<td>4 gallon</td>
</tr>
<tr>
<td>.2 gallon</td>
<td>1 gallon</td>
<td></td>
</tr>
</tbody>
</table>

Thinning
Reducer 3 is recommended for application temperatures below 70°F and Reducer 4 is recommended above 70°F and for brush and roller application.

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
MultiGrip 7000 XP is formulated to provide maximum bond strength between coats after weathering. Consequently, there is no time limitation regarding the maximum cure of MultiGrip 7000 XP 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 surface contaminations.

Cleanup
Cleanup with Reducer 3 or Reducer 4.