

## 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  
 + 82 % gloss retention  
 Weathering (ASTM D 1014, South Florida) 6 months  
 100% 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
<b>Theoretical volume solids content of mixed material</b>	
	<b>66%±1%</b>
<b>Theoretical coverage of mixed gallon (1 mil)</b>	
	<b>1059 sq. ft</b>
<b>Volatile Organic Content</b>	
<b>Unthinned</b>	<b>2.5 lbs./gal.</b>
<b>Reducer 3 @ 1 pint/gal.</b>	<b>3.0 lbs./gal.</b>
<b>Reducer 4 @ 1 pint/gal.</b>	<b>3.0 lbs./gal.</b>

### 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.

<u>Exposure</u>	<u>Splash &amp; Spillage</u>	<u>Fumes</u>
Acidic	Good	Excellent
Alkaline	Good	Excellent
Solvents	Good	Excellent
Salt water	Excellent	Excellent
Water	Excellent	Excellent

### Film Thickness (per coat)

**Dry film thickness: 3 to 6mils**

**Wet film thickness: 5 to 8 mils**

**Coverage: 530 sq. ft. @ 4mils**

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	1 gal.	5 gal.
Base	.8 gal.	4 gal.
Converter	.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)

Base	82°F
Converter	81°F
Reducer 3	78°F
Reducer 4	108°F

Shelf Life: 3 years for both the base and the converter when stored inside at 40°F to 110°F.

# MultiGrip 7000 XP Product Data Sheet

## 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:

	<u>1 Gal. Kit</u>	<u>5 Gal. Kit</u>
MultiGrip 7000 XP Base	.8 gallon	4 gallon
MultiGrip 7000 XP Converter	.2 gallon	1 gallon

## Thinning

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

## Pot Life

Three hours at 75° and less at higher temperatures.

## Applications Conditions

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>
Minimum	50°F	35°F	35°
Maximum	90°F	110°F	110°F

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.

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

## 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.

## Cleanup

Cleanup with Reducer 3 or Reducer 4.

3/10/05

CAUTION: Read and follow all caution statements on this product data sheet and on the Material Safety Data Sheet for this product.

CONTAINS FLAMMABLE SOLVENTS. Vapors are heavier than air and will accumulate. Extinguish all flames and prevent all sparks. All electrical equipment and installations should be made and grounded in accordance with the National Electrical Code. Where explosion hazards exist workers are required to use non-sparking tools and wear non-sparking shoes.

HEALTH: In confined spaces workers must wear fresh airline respirators.

WARRANTY: Any recommendation of U.S. Coatings contained herein, covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however U.S. Coatings makes no warranty or representation with respect thereto. Use or application is at the discretion of the Buyer without liability or obligation whatsoever of U.S. Coatings.