

U.S. Coatings® GripLine 6300 Primer

Vinyl Ester Lining

Features

- Durakane resin
- Sprayable
- For concrete and steel
- Excellent wetting characteristics
- VOC compliant
- Separate paraffin additive
- Fast cure formula

Typical Uses

GripLine 6300 Primer is used as a penetrating primer for concrete to increase the adhesion to the GripLine 6300 system to concrete and to reduce the blow back from out gassing. Also used on blasted steel when a primer is required.

Typical Properties

Barcol Hardness	ASTM D-2583	30
Tensile Strength	ASTM D638	11,000 psi
Tensile elongation	ASTM D-638	8%
Flexural strength	ASTM D-790	19,000 psi X 10 ⁵
HDT	ASTM D-648	180°F
Temperature resistance (non-immersion)		
Continuous		180°F
Non-continuous		200°F
Theoretical volume solids of		
Mixed material		83% +/- 1%
Theoretical coverage of mixed gallon (1 mil)		1,331 sq. ft.
Volatile Organic Content – Unthinned		1.7 lbs./gal.

Resistance

GripLine 6300 Primer when topcoated with GripLine 6300 is resistant to a wide range of chemicals in atmospheric and immersion exposures. The following is a guide to the proper selection.

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

Film Thickness (per coat)

Dry film thickness: 5 to 10 mils per coat
Wet film thickness: 6 to 12 mils maximum on vertical surfaces
Theoretical coverage: 266 sq. ft. @ 5 mils DFT, 133 sq. ft. @ 10 mils

Primer/Substrates

Concrete: GripLine 6300 is the recommended primer for the GripLine 6300 systems.
Steel: As Needed.

Topcoats

GripLine 6300 Primer is normally topcoated with GripLine 6300.

Colors

GripLine 6300 Primer is clear.

Shipping Data

Packaging unit	<u>1 gal.</u>	<u>5 gal.</u>
Base	1 gal.	5 gal.
Converter	2 fl. oz.	10 fl. oz.
Shipping weight (approx.)		
Package unit	12 lbs.	60 lbs.
Flash Point: (Setaflash)		
Base	88°F	
Converter	137°F	

Shelf Life: 3 months for both the base and the converter when stored inside at 45°F to 75°F.

GripLine 6300 Primer 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.

Concrete: The surface must be clean and dry. Test the surface with a moisture meter or the "clear plastic patch" method.

Abrasive blast the substrate to remove any laitance and to open all voids in the concrete. The final surface texture should be similar to medium grit sandpaper.

Steel: Near White metal blast per SSPC-SP10.

Mixing

Power mix the Base component, then blend Converter into the Base and mix until uniform at the following ratio:

	<u>1 Gal. Kit</u>	<u>5 Gal. Kit</u>
GripLine 6300 Primer Base	1 gallon	5 gallons
GripLine 6300 Converter	2 fl. oz.	10 fl. oz.

Thinning

Not recommended.

Pot Life

45 to 60 minutes at 50°F and 25 to 30 minutes at 75°F. Less at higher temperatures.

Application

Apply one coat of GripLine 6300 Primer at 5 to 10 mils, followed by the GripLine 6300 system.

Applications Conditions

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>
Minimum	50°F	50°F	50°F
Maximum	75°F	110°F	100°F

Surface temperatures should be 5°F above dew point to prevent condensation.

Application Equipment

Plural Component Spray: Air assist Binks 37:1 ratio B8-DSQ cart mounted Super Slave spray unit with air controls, 7 -1/2 S.S. hopper with cover and quick disconnect, SQ W.W. line filter, 50' resin, catalyst and air hose assembly, swivel, Century Gun with T.C. Seat, needle and tip.

Conventional Spray: Industrial sprayers such as DeVilbiss MBC or JGA ad Binks 18 or 62 having double regulated pressure pot, 3/8" I.D. minimum material hose and a 0.70" I.D. fluid tip and air car are recommended.

Airless Spray: Sprayer such as Graco's Bulldog with a 30:1 ratio and .035" tip is recommended. A 30 mesh inline filter is recommended.

Power Mixer: Use only explosion proof power mixers.

Brush and Roll: Use only high quality natural bristle brush and solvent resistant rollers.

Drying Time

The following minimum times are based on 30 mils DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

<u>Surface Temperature</u>	<u>Recoat Minimum</u>	<u>Recoat Maximum</u>	<u>Service Cure</u>
50°F	12 hrs.	2 days	72 hrs.
75°F	5 hrs.	1 day	48 hrs.

Cleanup

Cleanup with Reducer 3.

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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.