U.S. Coatings®

GripLine 6510

Glass-Flake Novolac Tank Lining

Features

- Excellent solvent and chemical resistance
- 100% solids
- Semi-gloss finish
- Zero VOC
- Excellent build on edges
- Low permeation
- Low odor
- Thermal shock resistant for CUI

Typical Uses

GripLine 6510 is used as a tank lining or maintenance coating for highly corrosive environments. Used to line steel and concrete tanks and coat structural steel for offshore platforms, barges, refineries, petrochemical plants, power plants, railcars, pulp & paper mills, and other areas as recommended. Used for CUI applications.

Physical Data

Temperature resistance (non-immersion)	
Continuous	400°F
Non-continuous	450°F
Theoretical volume solids of mixed material	100%
Theoretical coverage of mixed gallon (1 mil)	1604 sq. ft.
Volatile Organic Content	
Unthinned	0 lbs./gal.

Resistance

GripLine 6510 is resistant to a wide range of chemicals in atmospheric and immersion exposures. The following is a guide to the proper selection. For specific immersion recommendation, contact U.S. Coatings Technical Service department.

Exposure	Immersion	Splash & Spillage	Fumes
Acidic	Excellent	Excellent	Excellent
Alkaline	Excellent	Excellent	Excellent
Solvents	Excellent	Excellent	Excellent
Salt water	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent
Crude Oil	Excellent	Excellent	Excellent
Sour Crude	Excellent	Excellent	Excellent
Gasoline	Excellent	Excellent	Excellent
Diesel Fuel	Excellent	Excellent	Excellent
Sour Water	Excellent	Excellent	Excellent
Propane	Excellent	Excellent	Excellent
Jet Fuel	Excellent	Excellent	Excellent

Film Thickness (per coat)

Dry film thickness: 20 to 80 mils
Wet film thickness: 20 to 80 mils
Theoretical coverage: 80 sq. ft. @ 20 mils DFT
Note: The film thickness will vary with the intended service.

Substrates

GripLine 6510 is applied directly to steel as recommended. Use EpoxyGrip 2078 Primer when applying to concrete.

Topcoats

GripLine 6510 is normally not topcoated.

Colors

GripLine 6510 is available in brick red and medium gray. Normally the red is used to provide color contrast with a blasted steel surface.

Shipping Data

Packaging unit	3 gal.	15 gal.
Base	2 gal.	10 gal.
Converter	1 gal.	5 gal.
Shipping weight (approx.)		
GripLine 6510	3 gal.	15 gal.
	50 lbs.	250 lbs.
Reducer 5	1gal.	5gal.
	8 lbs.	40 lbs.
Flash Point: (Setaflash)		
Base	above 200°F	
Converter	above 200°F	
Reducer 5	-4°F	

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

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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. Test for chlorides.
Steel: Immersion Service: Abrasive blast to a White Metal cleanliness according to SSPC-SP 5 to achieve 3.5 – 5 mil anchor profile.
Concrete: High Pressure Water Blast or Abrasive Blast to remove any surface laitance, loose concrete, curing agents or any contaminants that could affect adhesion.
Non-immersion Service: Abrasive blast to Near White Metal cleanliness according to SSPC-SP10 to achieve 2.5 – 3 mil anchor profile.

Mixing

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

	3 Gal. Kit	15 Gal. Kit
GripLine 6510 Base	2 gallon	10 gallon
GripLine 6500 Converter	1 gallon	5 gallon

Thinning

Do not thin for applications using airless spray. GripLine 6510 may be thinned up to 1 pint/gal. with Reducer 5 for conventional spray.

Pot Life

Thirty minutes at 75°F and less at higher temperatures. Pot-life ends by the loss of film build.

Applications Conditions

	Material	Surface	Ambient
Minimum	50°F	50°F	50°F
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.

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 Premier 45:1 ratio or Xtreme Sprayer is recommended with a .421 to a .641 tip size and a hopper feed. Remove any in-line filters.
Plural Component: During hot conditions in the field, or large area projects, plural component equipment, such as Graco's Xtreme Mix, is strongly 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 20 mil DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

Surface Temperature	To Touch	To Recoat	Final Cure
60°F	24 hrs.	48 hrs.	14 days
70°F	12 hrs.	24 hrs.	7 day
80°F	6 hrs.	12 hrs.	4 days
90°F	3 hr.	6 hrs.	2 days

Maximum Recoat

Surface Temperature	Time
50°F	5 days
75°F	48 hours
90°F	24 hours

If the maximum recoat time is exceeded, the coating should be sweep blasted with fine aggregate to roughen the surface.

Cleanup

Cleanup with Reducer 3 or MEK.

NOTE: Much of the information listed on this data sheet is for general guideline purposes. For specific projects, refer to the specification for detailed instructions. If a specification is not available, contact your U.S. Coatings Representative.

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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 COMBUSTIBLE LIQUIDS. OSHA CLASS IIIA LIQUIDS. 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.

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