

## Flake-Filled Epoxy Tank Lining

### Features

- Excellent chemical resistance
- 100% solids
- Semi-gloss finish
- Zero VOC
- Excellent build on edges
- Ambient temperature cure
- Blush resistant during cure
- Low permeation

### Typical Uses

GripLine 6210 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 waste water treatment plants.

### Physical Data

Temperature resistance (non-immersion)	
Continuous	200°F
Non-continuous	250°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 6210 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.

<u>Exposure</u>	<u>Immersion</u>	<u>Splash &amp; Spillage</u>	<u>Fumes</u>
Acidic	Very Good	Excellent	Excellent
Alkaline	Excellent	Excellent	Excellent
Solvents	Good	Excellent	Excellent
Salt water	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent
Crude Oil	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 6210 is applied directly to steel as recommended. Use EpoxyGrip 2078 Primer when applying to concrete.

### Topcoats

GripLine 6210 is normally not topcoated.

### Colors

GripLine 6210 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	<u>3 gal.</u>	<u>15 gal.</u>
Base	2 gal.	10 gal.
Converter	1 gal.	5 gal.
Shipping weight (approx.)		
GripLine 6210	<u>3 gal.</u>	<u>15 gal.</u>
	40 lbs.	200 lbs.
Reducer #5		
	<u>1 gal.</u>	<u>5 gal.</u>
	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.

# GripLine 6210 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. 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:

	<u>3 Gal. Kit</u>	<u>15 Gal. Kit</u>
GripLine 6210 Base	2 gallon	10 gallon
GripLine 6210 Converter	1 gallon	5 gallon

## Thinning

Do not thin for applications using airless spray. GripLine 6200 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

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

GripLine 6210 should be sprayed at a tip temperature of 110°F to 120°F to achieve proper atomization.

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, 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.

<u>Surface Temperature</u>	<u>To Touch</u>	<u>To Recoat</u>	<u>Final Cure</u>
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

<u>Surface Temperature</u>	<u>Time</u>
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.