



Dura-Liner 6100

Novolac Epoxy Tank Lining

Features

- Excellent chemical resistance
- Semi-gloss finish
- VOC compliant
- High solids formulation
- Excellent build on edges
- Ambient temperature cure
- Blush resistant during cure
- Easy to apply

Typical Uses

GripLine 6100 is used as a tank lining or maintenance coating for highly corrosive environments. Used to line steel tanks and coat structural steel for offshore platforms, barges, refineries, petrochemical plants, power plants, railcars, pulp & paper mills and other areas as recommended.

Physical Data

| | |
|---|----------------------|
| Abrasion resistance (ASTM D 4060) 1 kg load/1000 cycles (ASTM D 4060) CS 17 wheel | weight loss 60 mg |
| Impact resistance (ASTM D 2794) Direct impact | 80 in-lbs. |
| Adhesion (ASTM D 4541) | 4405psi |
| Temperature resistance (non-immersion): Continuous | 250°F |
| Non-continuous | 300°F |
| Theoretical volumes solids of mixed material | 72% +/-1% |
| Theoretical coverage of mixed gallon (1 mil) | 1155 sq. ft. |
| Volatile Organic Content | |
| Unthinned | 2.0 lbs./gal. |
| Reducer 3 @ 1 pint/gal. | 2.6 lbs./gal. |

Resistance

GripLine 6100 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 | Excellent | Excellent | Excellent |
| Solvents | Good | Excellent | Excellent |
| Salt water | Excellent | Excellent | Excellent |
| Water | Excellent | Excellent | Excellent |

Film Thickness (per coat)

Dry film thickness: 4 to 6 mils
Wet film thickness: 5 to 9 mils
Theoretical coverage: 231 sq. ft. @ 5 mils DFT

Substrates

GripLine 6100 is applied directly to steel as recommended.

Topcoats

GripLine 6100 is normally topcoated with itself and does not require additional topcoats.

Colors

GripLine 6100 is available in brick red and medium gray. Normally the red is used as the primer to provide color contrast with the steel surface and gray topcoat.

Shipping Data

| | | |
|---------------------------|---------------|---------------|
| Packaging unit | <u>1 gal.</u> | <u>5 gal.</u> |
| Base | 0.8 gal. | 4 gal. |
| Converter | 0.2 gal. | 1 gal. |
| Shipping weight (approx.) | | |
| Package unit | 13 lbs. | 65 lbs. |
| | <u>1 gal.</u> | <u>5 gal.</u> |
| Reducer 3 | 8 lbs. | 40 lbs. |
| Flash Point: (Setaflash) | | |
| Base | 21°F | |
| Converter | 40°F | |
| Reducer 3 | 81°F | |

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

GripLine 6100 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.

Steel:

Immersion Service: Abrasive blast to a White Metal cleanliness according to SSPC-SP 5 to achieve 1.5 – 3 mil anchor profile.

Non-Immersion Service: Abrasive blast to Near White Metal cleanliness according to SSPC-SP10 to achieve 1.5 – 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>1 Gal. Kit</u> | <u>5 Gal. Kit</u> |
|-------------------------|-------------------|-------------------|
| GripLine 6100 Base | .8 gallon | 4 gallon |
| GripLine 6100 Converter | .2 gallon | 1 gallon |

Thinning

Thinning is not required for most applications; however, GripLine 6100 may be thinned up to 1 pint/gal. with Reducer 3.

Pot Life

Two hours at 75° 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 |

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 .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 .017" to .021" tip is recommended. A 30 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 5 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 | 6 hrs. | 48 hrs. | 14 days |
| 70°F | 3 hrs. | 24 hrs. | 7 days |
| 80°F | 2 hrs. | 12 hrs. | 4 days |

Maximum Recoat

| <u>Surface Temperature</u> | <u>Days</u> |
|----------------------------|-------------|
| 50°F | 30 |
| 75°F | 15 |
| 90°F | 7 |

Cleanup

Cleanup with Reducer 3.

12/16/02

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.

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