

## Self-Leveling Flooring Epoxy

### Features

- Excellent application properties
- Gloss finish
- USDA compliant
- 100% solids formulation
- Self-leveling
- Direct to concrete
- Excellent wetting and adhesion properties
- Good chemical resistance

### Typical Uses

Gripcrete 200 SL is used as a general service flooring epoxy. It is recommended for warehouses, service centers, commercial shops, commercial buildings, or anywhere abrasion resistance and/or chemical protection is desired. This product offers a bright, cleanable, high gloss finish or can be used alone or as component in multi-coat systems such as broadcasted vinyl flakes or quartz.

Gripcrete 200 SL may also be incorporated with US Coatings easily cleanable, **Non-Skid Additive** to improve worker traction on walkways in refineries, power plants, chemical plants, barges, pulp & paper mills and other critical areas.

### Physical Data

Abrasion resistance (ASTM D 4060) 1 kg load/1000 cycles CS 17 wheel	5 mg loss
Compressive Strength (ASTM C579) Flexural Strength	11,600 psi 80 in-lbs.
Adhesion (ASTM D 4541)	> 400 psi
Temperature resistance (non-immersion)	
Continuous	140°F
Non-continuous	160°F
Theoretical volume solids of mixed material	100%
Theoretical coverage of mixed gallon (@1 mil)	1604 sq. ft.
Volatile Organic Content	0.0 lbs./gal.

### Resistance

GripCrete 6130 is resistant to a wide range of chemicals in atmospheric exposures. The following is a guide to the proper selection.

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

### Film Thickness (per coat)

**Dry film thickness:** 6 to 15 mils per coat

**Wet film thickness:** 6 to 15 mils per coat

**Theoretical coverage:** 164 sq. ft. @ 10 mils DFT

Note: One coat is normally required; however, certain colors may require additional coats for hiding.

### Primer/Substrates

GripCrete 200 SL can be applied directly to concrete but the probability for outgassing/pinholing is reduced if primed prior to application of coating.

### Topcoats

GripCrete 200 SL is not intended for exterior use and will chalk if exposed to UV. GripCrete 200 SL may be topcoated with itself or urethanes as recommended.

### Colors

GripCrete 200 SL is available in Light Gray, Medium Gray, Dark Gray, Tile Red. Safety colors are available upon request.

### Shipping Data

Packaging unit*	<u>1 gal.</u>	<u>4 gal.</u>
Part A	0.75 gal.	3 gal.
Part B	0.25 gal.	1 gal.

\*40 gallon, 55 gallon kits available

Shipping weight (approx.)	<u>1 gal.</u>	<u>5 gal.</u>
Package unit	9.3 lbs./gal	46.5 lbs.
	4.2 kg/gal	21.09 kg

Flash Point: (Setaflash)

Part A	225°F (107°C)
Part B	220°F (93°C)

Shelf Life: 2 years for both the Part A and B when stored inside at 40°F to 110°F.

# Gripcrete® 200 SL

## 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:** Minimum cure is 28 days at 75° F and 50 % RH or the equivalent or minimum compressive strength of 3000 psi. Abrasive blast to remove laitance and form oils and to produce a surface roughness similar to medium sandpaper. Surfacing may be required to fill holes in order to produce a sealed surface. Refer to SSPC-13/NACE-6 and ICRI 03732 on proper surface cleaning and profiling of concrete substrate. Reference ASTM F 2170 and ASTM F 1869 to determine amount of moisture in concrete substrate. Concrete should be properly cured and have the following characteristics: Substrate tensile strength of at least 300 psi. A pH in the range of 7 to 11. The surface must show open pores throughout and have a sandpaper texture.

## Mixing

Combine Part A and part B in a 3 to 1 ratio and power mix for 2 minutes. Do not entrain air into mixture. DO NOT USE PARTIAL KITS. No sweat-in or induction time is required. Thinning is not recommended.

Power mix each component, then blend Part B into the Part A and mix until uniform at the following ratio:

	<u>1 Gal. Kit</u>	<u>5 Gal. Kit</u>
Gripcrete 200 SL Part A	0.75 gallon	3 gallon
Gripcrete 200 SL Part B	0.25 gallon	1 gallon

## Thinning

Thinning is not recommended for solvent free coatings.

## Working Time

30-45 minutes at 75°F and less at higher temperatures.

## Applications Conditions

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

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

Concrete coating should be applied as the slab temperatures are descending in order to avoid potential outgassing/pinholes.

## Application Equipment

**Power Mixer:** Use jiffy or blade mixer for mixing and ensure a low speed drill is utilized at no more the 220 RPMs.

**Squeegee and Roller:** Use medium brush near cut in areas and short nap shed-resistant high quality roller with solvent resistant fibers and core. Use either a flat or 1/16" notched squeegee to spread material and cross roll with spiked shoes in a perpendicular pattern immediately after squeegee.

## Drying Time

The following minimum times are based on a 15 mil DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

<u>Surface Temperature</u>	<u>Light Traffic</u>	<u>Full Traffic</u>	<u>Final Cure*</u>
50°F	24 hrs.	72 hrs.	14 days
60°F	18 hrs.	60 hrs.	12 days
70°F	12 hrs.	48 hrs.	7 days
90°F	8 hr.	36 hrs.	5 days

\*Final Cure for maximum chemical resistance.

## Maximum Recoat

Grip 200 SL is formulated with a 24 max recoat window at 70°F. If the recoat window is exceeded then the surface should be sanded to achieve a dull finish and all dust should be removed.

However, since epoxies tend to blush, it is imperative that the blush and any surface contamination be removed prior to recoating. Also test for blush prior to applying any topcoat.

High pressure water washing with a detergent is an acceptable method of removing blush and surface contamination.

## Cleanup

Cleanup with MEK or Xylene.

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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.

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

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