

## High Solids Low Temperature Cure Epoxy Mastic Primer

### Features

- Low temperature cure
- High performance epoxy mastic primer
- Contains Micaceous Iron Oxide
- VOC compliant
- High solids formulation
- Excellent build on edges
- Rapid and extended recoat windows
- Recoatable with epoxies and polyurethane
- Single coat capability
- Excellent wetting and adhesion properties
- Flexible film
- Good chemical resistance

### Typical Uses

EpoxyGrip 2130 is used as a rapid recoat high build primer to provide excellent corrosion protection for both masonry and steel substrates in low temperature conditions. Use of EpoxyGrip 2130 may extend the painting season for applications down to 35°F. Designed to be used in interior and exterior heavy-duty service in corrosive, industrial atmospheres.

Excellent for use on structural steel, steel tanks, barges, refineries, petrochemical plants, power plants, railcars, pulp & paper mills, masonry surfaces and others as recommended. Can be used as a shop primer where an extended recoat window is desired.

### Qualifications

Exceed requirements of SSPC Paint 22 performance requirements.

### Performance Data

Salt Spray (ASTM B 117) 1000 hours  
Plane blistering or rusting: none

### Physical Data

Abrasion resistance (ASTM D 4060)	
1 kg load/1000 cycles (ASTM D 4060)	weight loss
CS 17 wheel	78 mg
Impact resistance (ASTM D 2794)	
Direct impact	80 in-lbs.
Adhesion (ASTM D 4541)	4007 psi
Temperature resistance (non-immersion)	
Continuous	250°F
Non-continuous	300°F
<b>Theoretical volume solids of mixed material</b>	<b>84 %±1%</b>
<b>Theoretical coverage of mixed gallon (1 mil)</b>	<b>1,347 sq. ft</b>
<b>Volatile Organic Content</b>	
<b>Unthinned</b>	<b>1.18 lbs./gal.</b>
<b>Reducer 1 @ 1 pint/gal.</b>	<b>1.81 lbs./gal.</b>
<b>Reducer 3 @ 1 pint/gal.</b>	<b>1.86 lbs./gal.</b>

### Resistance

EpoxyGrip 2130 is resistant to a wide range of chemicals in atmospheric exposures. The following is a guide to the proper selection.

<u>Exposure</u>	<u>Immersion</u>	<u>Splash &amp; Spillage</u>	<u>Fumes</u>
Acidic	Not recommended	Good	Good
Alkaline	Not recommended	Excellent	Excellent
Solvents	Not recommended	Good	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 8 mils**

**Theoretical Coverage: 270 sq. ft. @ 5 mils DFT**

### Primer/Substrates

EpoxyGrip 2130 is normally applied directly to steel or concrete as recommended. EpoxyGrip 2130 should be applied to cured ZincGard 1000 by thinning one pint/gallon with Reducer 2 and applying a mist coat approximately 3 mils wet which seals the porous inorganic zinc. The mist coat is followed by another light coat to achieve the total desired film thickness. Consult SSPC-PS guide 8.00 for topcoating zinc-rich primers.

### Topcoats

EpoxyGrip 2130 is normally topcoated with an epoxy finish such as EpoxyGrip 2000 or a urethane finish such as UreGrip 3000 or UreGrip 3300. EpoxyGrip 2130, like other epoxies, tends to chalk and amber when exposed to sunlight in a humid environment.

### Color

EpoxyGrip 2130 is available in red and grey. See Color Chart for approximate color.

### Shipping Data

Packaging unit	<u>2 gal.</u>	<u>10 gal.</u>
Base	1 gal.	5 gal.
Converter	1 gal.	5 gal.
Shipping weight (approx.)		
Package unit	28 lbs.	140 lbs.
	<u>1 gal.</u>	<u>5 gal.</u>
Reducer 1	8 lbs.	40 lbs.
Reducer 2	9 lbs.	45 lbs.
Flash Point: (Setaflash)		
Base	108°F	
Converter	80°F	
Reducer 1	53°F	
Reducer 2	78°F	
Shelf Life: 3 years for both the base and the converter when stored inside at 40°F to 110°F.		

# EpoxyGrip® 2130 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:** Abrasive blasting is preferred when possible as the performance is enhanced. For normal environments, abrasive blast to a Commercial finish per SSPC-SP 6 to obtain a 1 ½ to 3 mil profile. For immersion conditions, abrasive blast to a Near-White finish per SSPC-SP 10 to obtain 1 ½ to 3 mil profile. For mild environments, which do not permit abrasive blasting, Hand Tool cleaning per SSPC-SP 2, Power Tool cleaning per SSPC-SP 3 or High Pressure Water cleaning per SSPC-SP12/NACE 5 WJ-4 is recommended.

**Concrete:** Minimum cure is 28 days at 75° F and 50 % RH or the equivalent. 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.

## Mixing

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

	<u>2 Gal. Kit</u>	<u>10 Gal. Kit</u>
EpoxyGrip 2100 Base	1 gallon	5 gallon
EpoxyGrip 2130 Converter	1 gallon	5 gallon

## Thinning

Thinning is not required for most applications; however EpoxyGrip 2130 may be thinned up to 1 pint/gal. Reducer 1 is recommended for most applications, however, Reducer 3 may be used when topcoating with EpoxyGrip 2130, EpoxyGrip 2030, UreGrip 3000 or UreGrip 3300.

## Pot Life

Thirty minutes at 75°F and less at higher temperatures.

One hour at 60°F

Two hours at 45°F

Four hours at 35°F

## Applications Conditions

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>
Minimum	50°F	50°F	50°
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 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>Cure To Topcoat</u>
35°F	16 hrs
45°F	8 hrs.
60°F	4 hrs.
75°F	2 hrs.

EpoxyGrip 2130 can be applied in a wet-on-wet manner, which eliminates the dry time between coats when recoating with itself. When recoating with UreGrip, EpoxyGrip 2030 should dry according to the "Cure To Topcoat" schedule.

## Maximum Recoat

EpoxyGrip 2130 is formulated with an unlimited recoat window. However, since epoxies tend to chalk, it is imperative that the chalk and surface contamination be removed prior to recoating. High pressure water washing is an acceptable method of removing chalk and surface contamination.

## Cleanup

Cleanup with Reducer 1 or 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.

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