

PRODUCT GUIDE: CATALYZED PRIMERS

APRIL 20, 2020 EAGLE BRIDGES COMPANY 216 Hwy 49 S.Byron, GA 31008

216 Hwy 49 S. Byron, GA 31008 800-541-1747 Eaglebridges.com



Product: High Solids Epoxy Primer

Product Code: 1356

Description

A two component, high performance modified polyamide cured Epoxy Primer with corrosion inhibitors designed for effective corrosion protection on metal surfaces. Recommended for general use as a primer beneath Epoxy finishes for atmospheric exposure in corrosive environments. Lead and chromate free. High volume solids and low VOC.

It is a 1 to 1 ratio of Part A and Part B with an induction time of 30 minutes. It has a pot life of between 16 to 20 hours at 75 degrees F.

Property Description	Attribute	Property Description	Attributes
Viscosity	90-100 K.U.	Weight Per Gallon	12.49
Gloss	Eggshell	Specific Gravity	1.5004
Flash Point	56 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	966 sq. ft. per gallon
Solids by Volume	60.23 (+/-) 2%	Solids by Weight	77.29 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	2.83 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	339 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	2.50 # Per Gallon	Dry time to Touch (@ 77 degrees F, 50% RH)	1 Hour
Dry Time to Handle (@77 degrees F, 50% RH)	8 Hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	3 Hours

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- Reduction: T-35
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 1.5 3.0
- Primer: N/A
- Temperature: Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is T-35.

Safety and Other Information

For Safety and Handling information please consult the Safety Data Sheet (SDS)

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Product: Inorganic Zinc Rich Ethyl Silicate Primer

Product Code: 1312GA

Description

1312 GA is a two component, zinc rich ethyl silicate primer formulated for use as a primer for galvanic (cathodic) protection for ferrous surfaces. The zinc pigment sacrificially oxidizes to protect iron in ferrous substrates. It has a pot life of 8 hours with no induction time.

Property Description	Attribute	Property Description	Attributes
Viscosity	95 K.U.	Weight Per Gallon	24.63
Gloss	Flat	Specific Gravity	2.9576
Flash Point	53 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	709 sq. ft. per gallon
Solids by Volume	44.22 (+/-) 2%	Solids by Weight	84.17 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.80 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	455 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	0.00 # Per Gallon	Dry Time to Touch (@ 77 degrees F, 50% RH)	20 Minutes
Dry Time to Handle (@ 77 degrees F, 50% RH)	2-4 Hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	5-18 Hours

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- Reduction: T-67
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 2-4 mils
- Primer: N/A
- Temperature: Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is MEK. Do not use Aliphatic solvents such as Mineral Spirits or Naphtha.

Safety and Other Information

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Product Code: 7510

Product: Aluminum Epoxy Mastic

Description

A two component, DTM mastic coating designed to permit application to rusty steel. For use in areas where higher performance is needed than can be obtained with conventional coatings, and only hand or power tool cleaning can be performed. Recommended for touchup and protection of weathered aluminum or hot dipped galvanizing. May be top coated with Epoxy or Urethane coatings up to 60 days after application. High volume solids and low VOC. It is a 1 to 1 ratio of Part A and Part B with no induction time. It has a pot life of 5 hours at 75 degrees F.

Property Description	Attribute	Property Description	Attributes
Viscosity	90-100 K.U.	Weight Per Gallon	11.43
Gloss	Low Sheen	Specific Gravity	1.3724
Flash Point	105 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	1312 sq. ft. per gallon
Solids by Volume	82 (+/-) 2%	Solids by Weight	89 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	1.29 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	154 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	0.98 # Per Gallon	Dry Time to Touch (@ 77 degrees F, 50% RH)	4 Hours
Dry Time to Handle (@ 77 degrees F, 50% RH)	16 Hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	24 Hours

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- **Reduction**: If reduction is necessary, use Xylene.
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 5-7 mils
- Primer: N/A
- Temperature: Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is Xylene.

Safety and Other Information

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Product: Elite Extreme Polyamide Epoxy Product Code: 8800

Description

8800 Elite Extreme Polyamide Epoxy is a two component, high performance modified polyamide cured epoxy coating designed for effective corrosion protection on metal surfaces, where optimum surface preparation may not be feasible. A multipurpose, direct-to-metal, surface tolerant coating. Lead and chromate-free. High volume solids and low VOC.

Property Description	Attribute	Property Description	Attributes
Viscosity	95-105 KU	Weight Per Gallon	11.42 (+/-) 0.5
Gloss	Eggshell	Specific Gravity	1.372 (+/-) .06
Flash Point	115 degrees F	Theoretical Coverage @1 mil dry, no loss assumed	131 square feet Per gallon @ 8 mils
Solids by Volume	65.00 (+/-) 2%	Solids by Weight	73.60 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.00 Per Gallon	Volatile Organic Content (V.O.C.) less exempt	359 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	0.69 lbs. per gallon	Dry Time to Touch (@ 77 degrees F, 50% RH)	4 hours
Dry Time to Handle (@ 77 degrees F, 50% RH)	4 hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	Min. 4 Hours Max. 24 Hours

Typical Uses

For industrial, commercial, and marine use for the protection of structural steel, tank exteriors, hulls, decks, bulkhead, and offshore structures and other surfaces exposed to corrosive atmospheric or industrial environments. Designed for long service protection of interior areas exposed to corrosive conditions, such as salt and fresh water immersion and corrosive environments. Provides excellent protection to structures subject to mechanical abuse.

Application

- **Preparation:** Apply to properly cleaned or treated surface. NACE No.3 SSPC-SP 6 Commercial Blast Cleaning.
- **Reduction**: 8800 is supplied ready to spray and does not require any reduction. If reduction is necessary, use T-40 Thinner.
- **Method**: Can be applied by Brush, Roller, Conventional Air Atomization, HVLP or Airless spray equipment. To obtain maximum edge protection and film build, spray application is recommended.
- Recommended Dry Film: 8 dry mils. 12 wet mils.
- Primer: N/A
- Induction Time: 15 min @ 41 deg. F, 15 min @ 60 deg. F, no induction @ 77 deg. F.
- **Temperature**: Ambient air, paint and substrate temperature should be a minimum of 50 degrees F at time of application with less than 90% humidity. Metal Temperature must be at least 5 degrees above the dew point.

Clean Up

Recommended solvent for clean-up is T-40 thinner however any strong or Ketone solvent will work. Do not use Aliphatic solvents such as Mineral Spirits or Naphtha.

Safety and Other Information

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Product: Inorganic Zinc Primer Low VOC Product Code: P-139

Description

P-139 is a two component, zinc-rich ethyl silicate primer formulated for use as a primer for galvanic (cathodic) protection of ferrous surfaces. The zinc pigment sacrificially oxidizes to protect iron in ferrous substrates. Typical Uses: zinc-rich primer to protect ferrous surfaces, such as bridges, tanks, and structural steel. Zinc pigment provides cathodic protection and film undercutting resistance to corrosion. Performance similar to hot-dipped galvanizing.

Special Qualifications: AASHTO M-300, Types I & IA, and for high-strength bolts (ASTM B-490, Class B) slip coefficient of 0.59

Property Description	Attribute	Property Description	Attributes
Viscosity	90 KU Stormer Mixed	Weight Per Gallon	22.65
Gloss	Flat	Specific Gravity	2.7205
Flash Point	27 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	686 sq. ft. per gallon
Solids by Volume	42.80 (+/-) 2%	Solids by Weight	82.18 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	4.04 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	483 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	0.00 # Per Gallon	Dry Time to Touch (@ 77 degrees F, 50% RH)	15 minutes
Dry Time to Handle (@ 77 degrees F, 50% RH)	2 -Hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	24 hours

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- **Reduction**: If reduction is necessary, use T-160.
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 3 mils dry mil thickness / 4 mils wet film thickness.
- Primer: None
- Temperature: Ambient temperature above 50 deg. F
- **Mixing Instructions:** Stir liquid portion first using mechanical agitation (jiffy power mixer). Discard the desiccant bag from the zinc powder, gradually stir the zinc dust into the liquid component under constant agitation. Filter through a 50-mesh screen after mixing. Never add the liquid portion to the zinc dust component. Continuous agitation is required.

Clean Up

Recommended solvent for clean-up is T-40 however any strong Ketone solvent will work.

Safety and Other Information

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Product: Zinc Dust Metal Primer

Product Code: TTP-641G

Description

An alkyd zinc dust primer, which exhibits excellent protection of ferrous and hot-dipped galvanized metal surfaces. Contains in excess of 65% metallic zinc in the dry film. Federal Specification TTP-641G Type II and ASTM A780.

Property Description	Attribute	Property Description	Attributes
Viscosity	72-80 Mixed	Weight Per Gallon	16.22
Gloss		Specific Gravity	1.9475
Flash Point	105 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	836 sq. ft. per gallon
Solids by Volume	52.12(+/-) 2%	Solids by Weight	80.53 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.16 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	378 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	0.00 # Per Gallon	Dry Time to Touch (@ 77 degrees F, 50% RH)	2 hours
Dry Time to Handle (@ 77 degrees F, 50% RH)	8 hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	24 hours

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- **Reduction**: If reduction is necessary, use T-160.
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 2 mils dry mil thickness / 4 mils wet film thickness.
- Primer: None
- Temperature: Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is Xylene however any strong Aromatic or Ketone solvent will work.

Safety and Other Information

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Product: Zinc Rich Epoxy Polyamide Primer Product Code: 305

Description

305 Zinc Rich Epoxy Primer is a user-friendly primer formulated for use as a primer under Acrylic, Epoxy and Polyurethane finish coats. It can be applied over abrasive blast cleaned surfaces or as a field maintenance primer. The zinc provides cathodic protection and film undercutting resistance to corrosion. It is a 3-component mix of Part A, Part B and Zinc with no induction time and a pot life of 7 hours.

Property Description	Attribute	Property Description	Attributes
Viscosity	N/A	Weight Per Gallon	21.02
Gloss	Matte	Specific Gravity	2.5242
Flash Point	45 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	859 sq. ft. per gallon
Solids by Volume	53.6 (+/-) 2%	Solids by Weight	84.5 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.26 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	389 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	1.76 # Per Gallon	Dry Time to Touch (@ 77 degrees F, 50% RH)	15 Minutes
Dry Time to Handle (@ 77 degrees F, 50% RH)	1-2 Hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	2-8 Hours

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- Reduction: T-35 Thinner
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 2.5 mils
- Primer: N/A
- Temperature: Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is Xylene however any strong Aromatic or Ketone solvent will work. Do not use Aliphatic solvents such as Mineral Spirits or Naphtha.

Safety and Other Information

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Product: High Solids Epoxy Primer

Product Code: 1357

Description

A two component, DTM mastic coating designed to permit application to rusty steel. For use in areas where higher performance is needed than can be obtained with conventional coatings, and only hand or power tool cleaning can be performed. Recommended for touchup and protection of weathered aluminum or hot dipped galvanizing. May be top coated with Epoxy or Urethane coatings up to 60 days after application. High volume solids and low VOC. It is a 1 to 1 ratio of Part A and Part B with no induction time. It has a pot life of between 16 to 20 hours at 75 degrees F.

Property Description	Attribute	Property Description	Attributes
Viscosity	85-95 K.U.	Weight Per Gallon	11.76
Gloss	Low Sheen	Specific Gravity	1.4123
Flash Point	60 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	933 sq. ft. per gallon
Solids by Volume	58.17 (+/-) 2%	Solids by Weight	74.57 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	2.98 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	355 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	2.66 # Per Gallon	Dry time to Touch (@ 77 degrees F. 50% RH)	1 Hour
Dry Time to Handle (@ 77 degrees F, 50% RH)	8 Hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	1 Hour -Spray 24 Hours - Brush

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- **Reduction**: If reduction is necessary, use Xylene.
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 2-5 mils
- Primer: N/A
- Temperature: Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is Xylene.

Safety and Other Information

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Product: High Solids Epoxy Mastic

Product Code: 7500

Description

Epoxy Mastic is a two component, high performance modified polyamide cured epoxy coating designed for high build applications and effective corrosion protection on metal surfaces, where optimum surface preparation may not be feasible. It is a multipurpose, direct to metal, surface tolerant coating with excellent corrosion resistance and indefinite recoat ability. Lead and chromate free. High volume solids and low V.O.C.

Property Description	Attribute	Property Description	Attributes
Viscosity	85-95 K.U.	Weight Per Gallon	11.59
Gloss	Eggshell	Specific Gravity	1.3912
Flash Point	80 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	1007 sq. ft. per gallon
Solids by Volume	62.8 (+/-) 2%	Solids by Weight	77.51 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	2.60 # Per Gallon	Volatile Organic Content (V.O.C.) less exempt	311 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	1.88 # Per Gallon	Dry Time to Touch (@ 77 Degrees F, 50% RH)	1 Hour
Dry Time to Handle (@ 77 degrees F, 50% RH)	5 Hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	8 Hours

When multiple coats are applied, the dry time between coats depends upon film thickness, temperature and humidity. If the first coat is in the critical cure stage it may be lifted or blistered by the second coat. To test, apply a small swatch over first coat and observe for a few minutes. If no film distortion occurs, it is safe to recoat. When in doubt, allow one week before recoating.

Application

- **Preparation:** Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching. All surfaces must be free of dust, oils and other surface contaminates before application.
- Reduction: MEK
- **Method**: Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- Recommended Dry Film: 6 8
- Primer: N/A
- Temperature: Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is MEK

Safety and Other Information

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