



PRODUCT GUIDE: COMPLIANT TOPCOATS

APRIL 9, 2020
EAGLE BRIDGES COMPANY
216 Hwy 49 S. Byron, GA 31008

Eagle Bridges Company

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



Product: Premium F/D Compliant Black

Product Code: 5117

Description

5117 Premium Fast Dry Compliant Black is a high-solids, high gloss enamel for OEM finishing or refinish of industrial agriculture and transportation equipment. The system is VOC compliant and essentially HAPs free.

5117 Premium Black has a short set-to-touch and handling time and offers a deep, rich black color with excellent gloss/color retention to a wide variety of general metals.

This topcoat can be applied over primed surfaces or direct to metal.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	53-57 K.U. (Kreb Units)	Weight Per Gallon	8.65 (+/-) 0.5
Gloss	95+	Specific Gravity	1.0385 (+/-) .06
Flash Point	65°F	Theoretical Coverage@1 mil dry, no loss assumed	710 ft ² / gallon
Solids by Volume	44 (+/-) 2%	Solids by Weight	51 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.5 lbs / gallon	Volatile Organic Content (V.O.C.) less exempt	419 g / liter
Hazardous Air Pollutants (H.A.P.s.)	<0.15 Per Gallon	Dry Time to Touch (@77°F, 50% RH)	45 minutes
Dry Time to Handle (@77°F, 50% RH)	120 minutes	Dry Time to Water Resistance(@77°F, 50% RH)	4 Hours

Dry Times

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. Re-Coat Window: You may apply a second coat between 1 to 8 hours after first coat, but after 8 hours you must wait 72 hours before applying subsequent coats.

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 contaminants before application.
- **Reduction:** Product is supplied ready to spray and does not require any reduction. If reduction is necessary, use Solvent 100 or Acetone.
- **Method:** Can be applied by Conventional Air Atomization, HVLP or Airless spray equipment. Brush and Roll applications are not recommended.
- **Recommended Dry Film:** 1 to 2 dry mils
- **Primer:** This topcoat can be applied over a Primer or Direct to Metal (DTM). Recommended primer is 2758 Industrial Grey High Solids Primer.
- **Temperature:** Ambient air, paint and substrate temperature should be a minimum of 50 degrees F at time of application.

Clean Up

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

Safety and Other Information

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

For any other Information Please Contact Eagle Bridges Company, Inc.

800-541-1747 Phone

478-956-3617 Fax

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Product: Super Gloss Black

Product Code: 4978

Description

4978 Super Gloss Black is an economical, high-solids, high gloss enamel designed for OEM finishing or refinish of transportation equipment.

It is designed to be applied over properly prepared metal surfaces.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	50-55 K.U.	Weight Per Gallon	8.03 (+/-) 0.5
Gloss	95+	Specific Gravity	0.9638 (+/-) .06
Flash Point	50°F	Theoretical Coverage@1 mil dry, no loss assumed	757 ft ² / gallon
Solids by Volume	47 (+/-) 2%	Solids by Weight	55 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.50 lbs / gallon	Volatile Organic Content (V.O.C.) less exempt	419 g / liter
Hazardous Air Pollutants (H.A.P.s.)	0.1 lbs / gallon	Dry Time to Touch (@77°F, 50% RH)	60'
Dry Time to Handle (@77°F, 50% RH)	2-4 Hours	To Recoat (@77°F, 50% RH)	See Below

Dry Times

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. Re-Coat Window: You may apply a second coat between 1 to 8 hours after first coat, but after 8 hours you must wait 72 hours before applying subsequent coats.

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 contaminants before application.
- **Reduction:** Product is supplied ready to spray and does not require any reduction. If reduction is necessary, use Solvent 100 or Acetone.
- **Method:** Can be applied by Conventional Air Atomization, HVLP or Airless spray equipment. Brush and Roll applications are not recommended.
- **Recommended Dry Film:** 1 to 2 dry mils
- **Primer:** This topcoat can be applied over a primer for corrosion enhancement. Recommended primer is 3463 - Grey Corrosion Primer.
- **Temperature:** Ambient air, paint and substrate temperature should be a minimum of 50 degrees F at time of application.

Clean Up

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

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Product: 3.5 V.O.C. FASTDRY, Black

Product Code: 4899

Description

This Product is a high gloss enamel for OEM finishing or refinishing of industrial and agriculture equipment. Offering long term protection with excellent color and gloss retention to a wide array of general metals. Its strengths are: flexibility, high gloss, and gloss retention. It is high solids for excellent substrate coverage and is V.O.C. compliant.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	50#2 Zahn	Weight Per Gallon	8.25
Gloss	95+	Specific Gravity	.9910
Flash Point	-1 degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	680 square feet Per gallon
Solids by Volume	42 (+/-) 2%	Solids by Weight	51 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.48 Per Gallon	Volatile Organic Content (V.O.C.) less exempt	416 Grams Per Liter
Hazardous Air Pollutants (H.A.P.s.)	Less than Reportable	Dry Time to Touch (@ 77 degrees F, 50% RH)	15 minutes
Dry Time to Handle (@ 77 degrees F, 50% RH)	30-45 minutes	Dry Time to Recoat (@ 77 degrees F, 50% RH)	See Below

Dry Times

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. Note, A critical recoat time may exist between 24 hours and 72 hours drying at room temperature. It may fluctuate depending on temperature, drying conditions and film thickness.

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 contaminants before application.
- **Reduction:** If reduction is necessary, use Xylol
- **Method:** Can be applied by Conventional Air Atomization, HVLP or Airless spray equipment. Brush and Roll applications are not recommended.
- **Recommended Dry Film:** 1.5-2.0 mils
- **Primer:** 4899 3.5 VOC Fast Dry Black can be applied direct to metal, however if a primer is desired then 2758 Industrial Grey High Solids Primer is recommended.
- **Temperature:** Ambient air, paint and substrate temperature should be a minimum of 50 degrees F at time of application.

Clean Up

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

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Product: Hi Heat Gloss Black

Product Code: 4666

Description

4666 is a compliant, high gloss, black air-dry enamel designed for excellent heat resistance (up to 600F) over properly cleaned and prepared substrates.

It is recommended that the system be fired @ 300-500F for 4 hours once product is tack-free in order to complete cure. Product is susceptible to mechanical damage until fully cured. Different levels of gloss loss are possible during this curing process & with increased temperatures without compromising protection.

It contains <3.5 VOC and non-reportable HAPs content.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	30" (+/-2) #4 Ford @ 77°F	Weight Per Gallon	8.27 +/- 0.4
Gloss	95+	Specific Gravity	0.9935 +/- 0.02
Flash Point	-1 °F	Theoretical Coverage@1 mil dry: No loss assumed.	742 ft ² / gallon
Solids by Volume	46 (+/-) 2%	Solids by Weight	54 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.37 lbs / gallon	Volatile Organic Content (V.O.C.) less exempt	404 g / liter
Hazardous Air Pollutants (H.A.P.s.)	Non-reportable	Dry Time to Touch (@ 77 degrees F, 50% RH)	60"
Dry Time to Handle (@77°F, 50% RH)	60-120"	Dry Time to Recoat (@77°F, 50% RH)	<8 or >72 hours

Dry Times

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 contaminants before application.
- **Reduction:** If reduction is necessary, Xylene
- **Method:** Spray, airless or Electrostatic if controlled. Application properties can be adjusted with special solvents
- **Recommended Dry Film:** 1-1.5 mils
- **Primer:** None required. If primer is desired, then it must also be a high temperature stable.
- **Temperature:** Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is Xylene

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Product: BLACK BAKING ENAMEL

Product Code: 4663-02

Description

This economical, full gloss, alkyd enamel is utilized in the drum coating market. It is typically baked but will also achieve properties as an air-dry system over time. Designed as a DTM, it has excellent adhesion and film build properties over CRS. Its strengths are: economy, excellent adhesion, and film build.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	45-50 #2 Zahn	Weight Per Gallon	8.05
Gloss	95+	Specific Gravity	0.96642
Flash Point	1+ degrees F	Theoretical Coverage @1 mil dry: No loss assumed.	784 sq. ft.
Solids by Volume	49 (+/-) 2%	Solids by Weight	57 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	Pounds per Gallon 3.00	Volatile Organic Content (V.O.C.) less exempt	Grams Per Liter 359
Hazardous Air Pollutants (H.A.P.s.)	Pounds per Gallon 3.3 lbs	Bake Schedule	10' @ 325F
Dry Time to Handle (@ 77 degrees F, 50% RH)	Immediate	Dry Time to Recoat (@ 77 degrees F, 50% RH)	Immediate

Dry Times

When used as an air-dry product, the dry time will depend upon film thickness, temperature and humidity. In recoating situations, 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 contaminants before application.
- **Reduction:** If reduction is necessary, use Xylol
- **Method:** Can be applied by Conventional Air Atomization, HVLP or Airless spray equipment. Brush and Roll applications are not recommended.
- **Recommended Dry Film:** 1-1.5 mils
- **Primer:** NA
- **Temperature:** Ambient air, paint and substrate temperature should be a minimum of 50 degrees F at time of application.

Clean Up

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

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Product: Eagle Plus Semi-Gloss Black Product Code: 3782-01

Description

Eagle Plus products are high-solids, high performance coating formulations that are designed to withstand rigorous exterior exposure while providing environmental compliance. All Eagle Plus formulations are essentially HAPs free and designed for applications where excellent gloss and color retention are required.

Eagle Plus can be applied over primed surfaces or direct to metal.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	25-28" #4 Ford @ 77°F	Weight Per Gallon	9.1728 +/- 0.2
Gloss	20 +/- 5	Specific Gravity	1.1016 +/- 0.03
Flash Point	-1°F	Theoretical Coverage@1 mil dry: No loss assumed	669 ft ² / gallon
Solids by Volume	41.74 (+/-) 2%	Solids by Weight	55.95 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.22 lbs / gallon	Volatile Organic Content(V.O.C.) less exempt	385 g / liter
Hazardous Air Pollutants (H.A.P.s.)	Less than Reportable	Dry Time to Touch (@77°F, 50% RH)	60'
Dry Time to Handle (@77°F, 50% RH)	2-4 Hours	To Recoat(@77°F, 50% RH)	See below

Dry Times

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 contaminants before application.
- **Reduction:** Eagle Plus products are supplied ready to spray and do not require any reduction. If reduction is necessary, use Solvent 100 or Acetone.
- **Method:** Can be applied by Conventional Air Atomization, HVLP or Airless spray equipment. Brush and Roll applications are not recommended.
- **Recommended Dry Film:** 1 to 2 dry mils
- **Primer:** Eagle Plus products can be applied over a Primer or Direct To Metal (DTM). Recommended primer is 2758 Industrial Grey High Solids Primer.
- **Temperature:** Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is Sol 100 or Acetone 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: Eagle Plus Black

Product Code: 3258

Description

Eagle Plus products are high-solids, high performance coating formulations that are designed to withstand rigorous exterior exposure while providing environmental compliance. All Eagle Plus formulations are essentially HAPs free and designed for applications where excellent gloss and color retention are required.

Eagle Plus can be applied over primed surfaces or direct to metal.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	25-28" #4 Ford @ 77°F	Weight Per Gallon	8.37 +/- 0.2
Gloss	95+	Specific Gravity	1.005 +/- 0.03
Flash Point	-1°F	Theoretical Coverage@1 mil dry: No loss assumed	733 ft ² / gallon
Solids by Volume	46 (+/-) 2%	Solids by Weight	54 (+/-) 2%
Volatile Organic Content (V.O.C.) less exempt	3.43 lbs / gallon	Volatile Organic Content(V.O.C.) less exempt	411 g / liter
Hazardous Air Pollutants (H.A.P.s.)	Less than Reportable	Dry Time to Touch (@77°F, 50% RH)	60'
Dry Time to Handle (@77°F, 50% RH)	2-4 Hours	To Recoat(@77°F, 50% RH)	See below

Dry Times

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 contaminants before application.
- **Reduction:** Eagle Plus products are supplied ready to spray and do not require any reduction. If reduction is necessary, use Solvent 100 or Acetone.
- **Method:** Can be applied by Conventional Air Atomization, HVLP or Airless spray equipment. Brush and Roll applications are not recommended.
- **Recommended Dry Film:** 1 to 2 dry mils
- **Primer:** Eagle Plus products can be applied over a Primer or Direct To Metal (DTM). Recommended primer is 2758 Industrial Grey High Solids Primer.
- **Temperature:** Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is Sol 100 or Acetone however any strong Aromatic or Ketone solvent will work. Do not use Aliphatic solvents such as Mineral Spirits or Naphtha.

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Product: Acrylic-Alkyd H.S. Enamel

Product Code: 1280

Description

1280 Acrylic Modified Alkyd High Solids Enamel is a Hi Solids, Hi Gloss Acrylic Modified Alkyd formulated for fast dry and has good color and gloss retention. For industrial and commercial use as an OEM coating for trailers, dumpsters, truck bodies, and other metal equipment in mild industrial environments. 1280 Acrylic Modified Alkyd High Solids Enamel is available in various colors.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	75-85 K.U.	Weight Per Gallon	9.01- 10.40
Gloss	95+	Specific Gravity	1.08- 1.25
Flash Point	70 deg. F	Theoretical Coverage @1 mil dry: No loss assumed.	857-864 ft/gal per dry mil
Solids by Volume	53.43-53.85	Solids by Weight	63.17-68.32
Volatile Organic Content (V.O.C.) less exempt	Pounds per Gallon 3.28-3.31	Volatile Organic Content (V.O.C.) less exempt	Grams Per Liter 393-395
Hazardous Air Pollutants (H.A.P.s.)	Pounds per Gallon 1.86-1.91	Dry Time to Touch (@ 77 degrees F, 50% RH)	30-45 min.
Dry Time to Handle (@ 77 degrees F, 50% RH)	2 hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	8 hours

Dry Times

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 contaminants before application.
- **Reduction:** If reduction is necessary, use Elite T-40 or t-33
- **Method:** Can be applied by Conventional Air Atomization, HVLP or Airless spray equipment. Brush and Roll applications are not recommended.
- **Recommended Dry Film:** 1.5-5.0 mils/coat
- **Primer:** Any good metal primer
- **Temperature:** Ambient air, paint and substrate temperature should be a minimum of 50 degrees F at time of application.

Clean Up

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

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Product: Water-based Acrylic Finish

Product Code: W-263G

Description

W-263G Water-based Acrylic finish is a lead and chrome-free, gloss acrylic finish for corrosion protection. A VOC compliant product that is formulated for good gloss and color retention. As a finish coat in a 3-coat system to protect metal surfaces, such as bridges, tanks, and structural steel. May be used as a topcoat, over water guard primers and intermediate coats or P-139, P-159, or 1312 inorganic zinc primers.

Physical Properties

Property Description	Attribute	Property Description	Attributes
Viscosity	90-100 K.U.	Weight Per Gallon	9.71
Gloss	95+	Specific Gravity	1.17
Flash Point	>200 deg. F	Theoretical Coverage @1 mil dry: No loss assumed.	547 sq. ft./gal
Solids by Volume	34.11 +/- 2%	Solids by Weight	46.35 +/- 2%
Volatile Organic Content (V.O.C.) less exempt	Pounds per Gallon 1.97	Volatile Organic Content (V.O.C.) less exempt	Grams Per Liter 236
Hazardous Air Pollutants (H.A.P.s.)	Less than reportable	Dry Time to Touch (@ 70 degrees F)	4 hours
Dry Time to Handle (@ 77 degrees F, 50% RH)	6 hours	Dry Time to Recoat (@ 77 degrees F, 50% RH)	4 hours

Dry Times

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 contaminants before application.
- **Reduction:** none required, fresh water if necessary
- **Method:** brush, roller, conventional spray or airless spray.
- **Recommended Dry Film:** 3 mils
- **Primer:** W-113G, W-113, W-101, W-103, Primers, 2011, all Water Guard Intermediates or a zinc rich primer, such as P-139, P-159, 1312, or 1312GA
- **Temperature:** Ambient temperature above 50 deg. F

Clean Up

Recommended solvent for clean-up is fresh water.

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