



# PRODUCT GUIDE: WATERBORNE TOPCOATS

Version: 08.07.17



# Eagle Bridges-Marathon

SERVING THE SOUTH WITH FLYING COLORS

## EAGLE BRIDGES PRODUCT DATA

PRODUCT: CONTAINER GUARD QD BLACK

PRODUCT: 4886-02

**DESCRIPTION:** CONTAINER GUARD QUICK DRY (QD) is an air-drying, water reducible enamel that is formulated to have good exterior weathering characteristics and maintain color and gloss properties for an extended period of time. It is designed to give one of the fastest dry to handle times of any commercially available Water Reducible products. It can be applied direct to metal or over a variety of primers.

PROPERTIES	APPLICATION
VISCOSITY: 92 – 95 KU'S	PREPARATION: Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching
POUNDS PER GALLON: 8.37 (+/-) 2%	TYPE OF APPLICATION: Brush, Roller, Conventional or Airless Spray.
GLOSS: 95 PLUS	REDUCTION: As needed (use sparingly)
FLASH POINT: N/A	REDUCING SOLVENT: Water
VOLATILE ORGANIC COMPOUND (VOC): 3.31	REDUCED VISCOSITY: As needed
SOLIDS: by volume: 27 (+/-) 2%	RECOMMENDED DRY FILM: 1.0-2.0 MILLS
by weight: 31 (+/-) 2%	CLEAN-UP SOLVENT: Water
THEORETICAL COVERAGE @ 1 mil dry: 437 Sq. ft. per gallon. No loss assumed.	DRY TIME: Air dry at 77 degrees F and 50% R.H.
FLEXABILITY: Very Good	To Touch: 15-30 Minutes
IMPACT RESISTANCE: Good	To Handle: 30-60 Minutes
ADHESION: Very Good	Hard: 24-48 hours
SOLVENT RESISTANCE: Fair	To Recoat: 4 – 16 Hours
HEAT RESISTANCE: Very good	Dries to a rain resistant coating in 1 – 2 hours, depending on drying conditions.
HUMIDITY RESISTANCE: Excellent	
SALT SPRAY RESISTANCE: Good	

This information is offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommendations are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use.



## EAGLE BRIDGES PRODUCT DATA

**PRODUCT: AQUATEC ENAMEL**

**PRODUCT NUMBER**

**ALL**

DESCRIPTION: AQUATEC IS A WATER REDUCABLE ENAMEL FOR USE ON A VARIETY OF METAL SURFACES TO PROVIDE EXCEPTIONAL ADHESION, ESPECIALLY ON GALVANISED STEEL.

PROPERTIES	APPLICATION
<p>VISCOSITY: 60 – 62 SECONDS #4 ZAHN</p> <p>POUNDS PER GALLON: 9.63</p> <p>GLOSS: LOW SHEEN</p> <p>FLASH POINT: NON-FLAMABLE</p> <p>VOLATILE ORGANIC COMPOUND (VOC): .89 &gt;&gt;&gt;&gt;THIS PRODUCT IS VOC COMPLIANT &lt;&lt;&lt;&lt;&lt;</p> <p>SOLIDS: by volume: 32-35 % by weight: 38-42 %</p> <p>THEORETICAL COVERAGE @ 1 mil dry: 520 - 550 sq. ft. per gallon. No loss assumed.</p> <p>IMPACT RESISTANCE: PASS 40 IN.LB. REVERSE PASS 80 IN LB FORWARD</p> <p>ADHESION: 100% CROSS HATCH ON GALVANEALD STEEL</p> <p>HUMIDITY RESISTANCE: NO EFFECT @ 2 WEEKS.</p> <p>NOT RECOMMENDED FOR IMMERSION.</p> <p>EXTERIOR DURABILITY: EXCELLENT</p>	<p>PREPARATION: Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching</p> <p>TYPE OF APPLICATION: BRUSH, ROLLER OR SPRAY.</p> <p>REDUCTION: AS NEEDED</p> <p>REDUCING SOLVENT: POTABLE WATER</p> <p>RECOMMENDED DRY FILM: 1 mils.</p> <p>RECOMMENDED PRIMER: NONE</p> <p>CLEAN-UP SOLVENT: WATER</p> <p>DRY TIME : THE DRYTIME IS DEPENDENT ON THE TEMPERATURE AND HUMIDITY. THIS PRODUCT WILL DRY TO HANDLE IN 15 – 30 MINUTES AT 75 DEG F. AND 60% RELATIVE HUMIDITY. DRY CAN BE ACCELERATED BY HEATING TO 130 – 150 DEGREES FOR 5 – 10 MINUTES.</p> <p>ALLOW TO DRY COMPLETELY BEFORE RECOATING WITH SOLVENT BASED ENAMELS.</p>

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EAGLE BRIDGES MARATHON

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# Eagle Bridges-Marathon



## EAGLE BRIDGES PRODUCT DATA

### PRODUCT: STRUCTURE GUARD

**DESCRIPTION:** STRUCTURE GUARD is an air-drying, water reducible enamel that is formulated with a corrosion inhibitor to have excellent resistance to atmospheric corrosion and can be applied direct to metal or over a variety of primers.

PROPERTIES	APPLICATION
VISCOSITY: 92 – 95 KU'S	PREPARATION: Apply to properly cleaned or treated surface. This may consist of solvent wiping, wire brushing, sandblasting, phosphate treatment or chemical etching
POUNDS PER GALLON: 10.35	TYPE OF APPLICATION: Brush, Roller, Conventional or Airless Spray.
GLOSS: 95 PLUS	REDUCTION: As needed (use sparingly)
FLASH POINT: N/A	REDUCING SOLVENT: Water
VOLATILE ORGANIC COMPOUND (VOC): 2.45	REDUCED VISCOSITY: As needed
SOLIDS: by volume: 28 (+/-) 2%	RECOMMENDED DRY FILM: 1.0-2.0 MILLS
by weight: 43 (+/-) 2%	CLEAN-UP SOLVENT: Water
THEORETICAL COVERAGE @ 1 mil dry: 447	DRY TIME: Air dry at 77 degrees F and 50% R.H.
Sq. ft. per gallon. No loss assumed.	To Touch: 15-30 Minutes
FLEXABILITY: Very Good	To Handle: 30-60 Minutes
IMPACT RESISTANCE: Good	Hard: 24-48 hours
ADHESION: Very Good	To Recoat: 4 – 16 Hours
SOLVENT RESISTANCE: Fair	Dries to a rain resistant coating in 1 – 2 hours, depending on drying conditions.
HEAT RESISTANCE: Very good	
HUMIDITY RESISTANCE: Excellent	
SALT SPRAY RESISTANCE: Good	

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## PRODUCT DATA

# 156

## Acrylic Finish Cylinder Coat

**Description:** 156 Finish is lead and chrome-free, gloss acrylic finish for corrosion protection. This product is specifically designed for Industrial Gas Cylinders

**Typical Uses:** a direct-to-metal Primer and finish for Industrial gas cylinders

**Dry Temperature Limits:** 160 deg.F

**Surface Cleanliness:** surface should be clean and dry. Remove as much surface contamination as possible. Prime surface with a Water-Guard Primer, Water-Guard Intermediate, or zinc rich primer.

**Mixing Instructions:** mechanical agitation (jiffy power mixer)

**Application Equipment:** brush, roller, conventional spray or airless spray. Airless spray use a 30:1 ratio pump with 0.017 (617) to 0.019 (619) inch diameter orifice for airless spray gun tip at a pressure at tip to obtain proper atomization. An artist brush can be used for touchup of WFT marks and other small repair areas.

**Application Conditions:**

- Noncontaminated profile (pretreat and blast contaminated surfaces)
- Dry, dust-free metal surface
- Metal temperature above 40 deg.F
- Metal temperature at least 5 deg. above the dew point
- Ambient temperature above 40 deg.F
- Humidity less than 85%
- Material temperature between 50 and 90 deg.F

**Primer:** none needed

**Thinner:** none required, fresh water, if necessary

**Clean Up Solvent:** fresh water

**Safe Application Conditions:** Consult MSDS for proper handling, cleanup, disposal, and use of personal protective equipment. Circulate sufficient air to maintain working environment below the PEL and LEL. Apply according to local, state, and federal (OSHA) regulations.

**Finish:** semi-gloss

**Color:** cylinder Color Card - plus full range of colors

**Volume Solids:** 34.4 +/- 2%

**VOC:** 1.62 lbs./gal. (191 g/l)

**Flash Point:** >200 deg.F

**Dry Film Thickness:** 3 mils

**Wet Film Thickness:** 9 mils

**Theoretical Coverage:** 551 sq.ft./gal. @ 1 mil

**Induction Time:** n/a

**Pot Life Time:** n/a

**Shelf Life Time:** 1 year

**Dry Time:** @ 70 deg.F  
Dry to Touch 15-30 minutes  
Dry to Recoat 1 hours

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PRODUCT DATA  
**W-263G**  
Acrylic Finish

**Description:** A lead and chrome-free, gloss acrylic finish for corrosion protection. A VOC compliant product that is formulated for good gloss and color retention.

**Typical Uses:** 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.

**Dry Temperature Limits:** 160 deg.F

**Surface Cleanliness:** surface should be clean and dry. Remove as much surface contamination as possible. Prime surface with a Water-Guard Primer, Water-Guard Intermediate, or zinc rich primer.

**Mixing Instructions:** mechanical agitation (jiffy power mixer)

**Application Equipment:** brush, roller, conventional spray or airless spray.

**Application Conditions:**

- DO NOT ALLOW TO FREEZE
- Dry, dust-free metal surface
- Metal temperature above 50 deg.F
- Metal temperature at least 5 deg. above the dew point
- Ambient temperature above 50 deg.F
- Humidity less than 85%

**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.

**Thinner:** none required, fresh water, if necessary

**Clean Up Solvent:** fresh water

**Safe Application Conditions:** Consult MSDS for proper handling, cleanup, disposal, and use of personal protective equipment. Circulate sufficient air to maintain working environment below the PEL and LEL. Apply according to local, state, and federal (OSHA) regulations.

**Finish:** semi-gloss

**Color:** Georgia GREEN

**Volume Solids:** 34.11 +/- 2%

**VOC:** 1.97 lbs./gal. (236 g/l)

**Flash Point:** >200 deg.F

**Dry Film Thickness:** 3 mils

**Wet Film Thickness:** 8 mils

**Theoretical Coverage:** 547 sq.ft./gal. @ 1 mil

**Induction Time:** n/a

**Pot Life Time:** n/a

**Shelf Life Time:** 1 year

**Dry Time:** @ 70 deg.F

Dry to Touch 4 hours

Dry to Recoat 4 hours, if recoating with other Water Guard product

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## PRODUCT DATA

# W-264G

## Acrylic Intermediate

**Description:** A high quality, low sheen waterborne acrylic that is rust inhibitive and self priming. This product is specifically designed for protection of ferrous, aluminum and galvanized metal surfaces.

**Typical Uses:** as an intermediate coat in a 3-coat system to protect metal surfaces, such as bridges, tanks, and structural steel. Can be used as a topcoat over P-139, P-159, or 1312 inorganic zinc primers.

**Dry Temperature Limits:** 160 deg.F

**Surface Cleanliness:** surface should be clean and dry. Remove as much surface contamination as possible. Prime surface with a Water-Guard Primer, Water-Guard Intermediate, or zinc rich primer.

**Mixing Instructions:** mechanical agitation (jiffy power mixer)

**Application Equipment:** brush, roller, conventional spray or airless spray.

**Application Conditions:**

- DO NOT ALLOW TO FREEZE
- Dry, dust-free metal surface
- Metal temperature above 50 deg.F
- Metal temperature at least 5 deg. above the dew point
- Ambient temperature above 50 deg.F
- Humidity less than 85%

**Primer:** W-113G, W-113, W-101, W-103, Primers, 201, self priming or a zinc rich primer, such as P-139, P-159, 1312, or 1312GA

**Thinner:** none required, fresh water, if necessary

**Clean Up Solvent:** fresh water

**Safe Application Conditions:** Consult MSDS for proper handling, cleanup, disposal, and use of personal protective equipment. Circulate sufficient air to maintain working environment below the PEL and LEL. Apply according to local, state, and federal (OSHA) regulations.

**Finish:** low-gloss

**Color:** BUFF

**Volume Solids:** 43.62% +/- 2%

**VOC:** 1.16. lbs./gal. (139 g/l)

**Flash Point:** >200 deg.F

**Dry Film Thickness:** 3 mils  
233sq ft @ 3 mils

**Wet Film Thickness:** 7 mils

**Theoretical Coverage:** 699 sq.ft./gal. @  
1 mil

**Induction Time:** n/a

**Pot Life Time:** n/a

**Shelf Life Time:** 1 year

**Dry Time:** @ 70 deg.F  
Dry to Touch 4 hours  
Dry to Recoat 4 hours, if recoating with  
other Water-Guard  
product

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