



**Simco**  
We've Got You Covered

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## AQUAFLEX-510 WATERBORNE ACRYLIC BASED TOP COAT

**Description:** Simco Aquaflex-510 is one component ready mixed finish paint based on water reducible modified acrylic emulsion and mixture of Rust inhibitive pigments.

The coating is designed to be used on properly prepared metal surfaces in new construction and maintenance where light to moderate chemical and high humidity exposure is a problem.

**Principle Features:**

- Eliminates solvents odors, hazards and environmental problems.
- Good color and gloss retention.
- Easy application by airless and conventional spray.
- Protects cathodically steel substrate's.
- Forms a hard durable film with excellent resistance to mechanical damage.

**Conformance:** Conforms to the specification of Louisiana Department of Transportation and Development for waterborne bridge coating systems.

### Technical Data

<b>Color and Finish:</b>	White & Gray; semi-gloss finish
<b>Weight/Gallon, Pounds:</b>	Approx. 9.4 ± 0.1
<b>Viscosity KU:</b>	95 ± 5
<b>Sag Resistance, Min.:</b>	12
<b>Solids by Weight:</b>	Approx. 48%
<b>Solids by Volume:</b>	Approx. 42%
<b>Volatile Organic Compound (VOC):</b>	1.0 Lbs./Gal. (120 Grm/Ltr.)
<b>Recommended DFT:</b>	3 mils (75 Microns)
<b>Theoretical Spreading Rate:</b>	674 sq. ft./gal @ 1 Mil. DFT
<b>Dry to Touch Max.:</b>	30 Minutes
<b>Min. Interval Before Overcoating:</b>	1-2 Hours
<b>Max. Interval Before Overcoating:</b>	No Limitation
<b>Flash Point (TCC):</b>	None
<b>Shelf Life:</b>	12 months
<b>Storage:</b>	Store at 45°F-85°F

**Application Data:**

**Conventional Spray:**

<u>Manufacturer</u>	<u>Gun Model</u>	<u>Tip-Air Cap Combination</u>
DeVilbiss	MBC or JGA	704E
Binks	#18 or #62	66PE

Fluid hose should by 3/8" I.D. with a maximum length of 50 feet. Pot should always have dual regulation and be kept at same elevation as spray gun.

**Airless Spray:**

**Manufacturer**

**Gun Model**

**Pump**

Graco

205-591

Bulldog

Binks

Model 500

Mercury 5C

DeVilbiss

#18 or #62

QFA-519

Hose should be 3/8" I.D. minimum, but 1/4" I.D. whip end section may be used for ease of application. A maximum length of 100 feet is suggested. Best results are obtained using a .013" - .017" tip at 1200-2000 p.s.i.

Note: Nylon or Teflon type packing are available from pump manufacturer and are highly recommended.

**Thinning Requirements:**

Recommended Thinner: Fresh Water

Airless Spray: None Required

Conventional Spray: 10-15%

Clean-up Thinner: Fresh Water

**Safety Precautions:**

This product is offered for sale and use only to PROFESSIONALLY TRAINED INDUSTRIAL PERSONNEL. It is NOT FOR RESIDENTIAL USE. This product contains chemical ingredients and must be used with caution. Observe all health and safety precautions as listed on the Material Safety Data Sheet during storage, handling, application, drying and disposal. Do not attempt to use this product without consulting the current "Material Safety Data Sheet".

**Non-Warranty:**

The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information of this product, no warranty expressed or implied, is intended or given. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance, or any other damages, including injuries resulting from use of this information or of products recommended herein.