

Acrylic Latex Coating

Features

- Semi gloss finish
- Water based
- Excellent Color & Gloss Retention
- Single package
- Available in colors
- VOC compliant
- Extended recoat windows
- Excellent wetting and adhesion properties
- Flexible film

Typical Uses

AquaGrip 5020 is used as a finish coat for alkyd, epoxy, vinyl, chlorinated rubber coating where a single package, easy to use, color and gloss retentive product is desired. Ideal product for use as an OEM finish. Used on structural steel, steel tanks, barges, refineries, petrochemical plants, power plants, transformers, railcars, pulp & paper mills, and others as recommended.

Performance Data (Typical)

Weathering (ASTM D 1014 South Florida)
12 months 65%+ gloss retention

Physical Data

Temperature resistance (non-immersion)	
Continuous	250°F
Non-continuous	300°F
Theoretical volume solids content of mixed material	35%±2%
Theoretical coverage of mixed gallon (1 mil)	561 sq. ft
Volatile Organic Content	
Unthinned (water excluded)	1.9 lbs./gal.

Resistance

AquaGrip 5020 is resistant to a wide range of mild chemical fumes in atmospheric exposures. AquaGrip 5020 is not normally recommended for immersion service. The following is a guide to the proper selection.

<u>Exposure</u>	<u>Splash & Spillage</u>	<u>Fumes</u>
Acidic	Poor	Fair
Alkaline	Poor	Fair
Solvents	Poor	Fair
Salt water	Good	Excellent
Water	Good	Excellent

Film Thickness (per coat)

Dry film thickness: 1 to 2 mils

Wet film thickness: 3 to 4 mils

Theoretical Coverage: 561 sq. ft. @ 1 mil

Note: One coat is normally required; however, certain colors may require additional coats for hiding.

Primer

AquaGrip 5020 is normally applied to an alkyd or epoxy coating. AquaGrip 5020 is recommended over AquaGrip 2600 epoxy.

Topcoats

AquaGrip 5020 is not normally topcoated with another coating, as it is normally recoated with itself.

Colors

AquaGrip 5020 is available in a variety of colors. Custom colors can be computer matched.

Shipping Data

Packaging unit	<u>1 gal.</u>	<u>5 gal.</u>	50 gal.
Shipping weight (approx.)	10 lbs.	50 lbs.	500 lbs.
Flash Point: (Setaflash) AquaGrip 5020	Above 200°F		

Shelf Life: 1 years when stored inside at 40°F to 110°F. Do not allow AquaGrip 5020 to freeze.

AquaGrip 5020 Product Data Sheet

Surface Preparation

Remove oil and grease from the surface with solvent or a commercial cleaner, which does not leave a residue in accordance with SSPC-SP1. If the prime coat or intermediate coat exceeds the cure time, prepare the surface as recommended by the underlying coating's surface preparation procedures.

Mixing

Power mix until uniform, then thin as required.

Thinning

Thinning is not normally required. However, when thinning, use clean potable water up to one pint per gallon.

Pot Life

AquaGrip 5020 is a single package product and can be used once the container is opened and mixed. However, once exposed to the air, a skin can develop on the surface of the paint.

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, which may dull the finish.

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 .013" to .017" tip is recommended. A 60 mesh inline filter is recommended.

Power Mixer: Use only explosion proof power mixers.

Brush or Roller: For touch up, use medium brush and short nap roller with solvent resistant fibers and core.

Drying Time

The following minimum times are based on a 1 mil DFT and adequate air ventilation and 50% relative humidity. Higher thickness and reduced air circulation increase drying times.

Surface

<u>Temperature</u>	<u>To Touch</u>	<u>To Handle/Recoat</u>
50°F	2 hrs.	8 hrs.
60°F	1 hr.	4 hrs.
70°F	30 minutes	2 hrs.
80°F	20 minutes	1 hr.
90°F	10 minutes	30 minutes

Maximum Recoat

AquaGrip 5020 is formulated to provide maximum bond strength between coats after weathering. Consequently, there is no time limitation regarding the maximum cure of AquaGrip 5020 prior to recoating with itself. However, the aged coating must be clean and free of chalk.

Cleanup

Cleanup with clean, potable water, followed by Reducer 3.

12/23/08

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.

WARRANTY: Any recommendation of U.S. Coatings contained herein, covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however U.S. Coatings makes no warranty or representation with respect thereto. Use or application is at the discretion of the Buyer without liability or obligation whatsoever of U.S. Coatings.