



**SHERWIN
WILLIAMS.**

Product Finishes

CC-A35

KEM AQUA[®] Wash Primer

Semi-Transparent Green..... E61G522

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>												
<p>KEM AQUA® Wash Primer is a fast drying, one package, chromate, zinc and heavy metal free water based primer designed to promote adhesion between the substrate and finish coats. It serves as a tie coat over steel, aluminum, galvanized steel, and nonferrous metals.</p> <p>Advantages:</p> <ul style="list-style-type: none">• VOC* as packaged <1.5 lb/gal, 180 g/L• One component - no catalyzation or pot life• No heavy metal hazards• Zinc, Nitrite and Phthalate Free• Designed to meet RoHS Compliance• Very thin film - like solvent based wash primer• Use water for reduction and clean up**• Air dry or force dry• Fast drying and fast recoatability• No critical recoat• Compatible with a wide range of solvent based and water based topcoats, including: Kem Aqua® 600T W/R Enamel Kem Aqua® 1400 W/R Baking Enamel Kem Aqua® 8530 Polane® 700T W/R Enamel Polane® T Plus Polyurethane Polane® 2.8T Plus Polyurethane Polane® HS Plus Polyurethane Polane® G Plus Polyurethane Polane® S Plus Polyurethane Quick Dry 350 Enamel Permaclad® Baking Enamel	<p>Gloss: Flat</p> <p>Volume Solids: 31 ± 2%</p> <p>Viscosity: 55-65 Krebs Units</p> <p>Recommended film thickness:</p> <table><tr><td>Mils Wet</td><td>1.0 - 1.6</td></tr><tr><td>Mils Dry</td><td>0.3 - 0.5</td></tr></table> <p>Do not exceed this thickness. Color is semi-transparent green.</p> <p>Spreading Rate (no application loss) 920-1748 sq ft/gal @ 0.3-0.5 mils DFT</p> <p>Drying (0.3-0.5 mils DFT, 77°F, 50% RH)</p> <table><tr><td>To Touch:</td><td>5-10 minutes</td></tr><tr><td>Tack Free:</td><td>10-20 minutes</td></tr><tr><td>To Topcoat:</td><td>10-20 minutes</td></tr><tr><td>Force Dry:</td><td>5-10 minutes at 110-140°F</td></tr></table> <p>Good air movement and humidity control are necessary for proper drying of water reducible coatings.</p> <p>Flash Point: none, Seta Flash Closed Cup</p> <p>Package Life: 1 year, unopened, protect from freezing</p> <p>pH: 8.4 - 9.0</p> <p>Air Quality Data:</p> <ul style="list-style-type: none">• Non-photochemically reactive• Volatile Organic Compounds (VOC) Theoretical as packaged, less water and exempt solvents <1.50 lb/gal, 180 g/L	Mils Wet	1.0 - 1.6	Mils Dry	0.3 - 0.5	To Touch:	5-10 minutes	Tack Free:	10-20 minutes	To Topcoat:	10-20 minutes	Force Dry:	5-10 minutes at 110-140°F	<p>General: Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface passivation treatments to ensure optimum adhesion and coating performance properties. Consult Metal Preparation Brochure CC-T1 for additional details.</p> <p>Apply directly to clean, untreated:</p> <p>Aluminum Galvanized Steel Cold Rolled Steel Stainless Steel (surface abrasion is recommended) Non-Ferrous Metal</p> <p>Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.</p>
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*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

**To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction.

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com.

APPLICATION

Typical Setups

Reduction: Reduce 25-35% with water as needed. To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction.

Conventional Spray:

Atomizing Air Pressure 50-60 psi

Fluid Pressure 10-12 psi

Fluid Tip042-.055

HVLP:

Atomizing Air Pressure at Cap 10psimax

Fluid Pressure 8-10 psi

Fluid Tip042-.055

Cleanup:

Clean tools/equipment immediately after use with water when wet, when dry, use MIBK.

Flush equipment with solvent to prevent rusting.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

- Avoid freezing. Store indoors at 35-95° F. Freezing will destroy product.
- Do not over reduce. Excess reduction may cause sagging and edge pull-away.
- For wash primer applications, 0.3-0.5 mils dry film is recommended. Heavier films may show much slower dry and softer films.
- Test on customer substrate before use
- Many forms of aluminum and galvanized steel exist in the marketplace. Some are considered non-paintable. Consult your Sherwin-Williams representative before coating.
- Do not apply over sandblasted surfaces. Recommended dry film thickness is not adequate to cover profile and to provide suitable protection.
- Topcoats may be slightly softer and slightly lower in gloss when applied over Kem Aqua® Wash Primer as compared to direct to metal applications.
- Use plastic or stainless steel mixing containers, piping, and application equipment due to rusting potential.
- Kem Aqua® Wash Primer is thixotropic even after reduction. Do not over-reduce. Do not use efflux type cups such as Zahn type to measure viscosity.
- Do not use airless or air assisted airless spray because of the thin film requirements.
- Kem Aqua® Wash Primer is intended as a tie coat or adhesion promoting primer and will not significantly improve corrosion resistance of the system.
- Keep container closed to prevent skinning of this fast drying coating.
- This product requires 2-4 hours drying to obtain good adhesion and film firmness.
- Apply and cure at temperatures above 50°F for optimum dry and performance properties.
- To avoid settling, agitate thoroughly prior to use.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.paintdocs.com.

Please direct any questions or comments to your local Sherwin-Williams facility.

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