



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-A25

KEM AQUA® Wash Primer

Semi-Transparent Green E61G520

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>												
<p>KEM AQUA® Wash Primer is a fast drying, one package, low VOC*, 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"> • Very low VOC* - <1.5 lb/gal • One component - no catalyzation or pot life • Lead and chromate free - no heavy metal hazards • Very thin film - like solvent based wash primer • Water based - low odor - safer working conditions • Use water for reduction and clean up • Reduced fire hazards - possible lower insurance • 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: <ul style="list-style-type: none"> High Solids Acrylic Enamel Kem Aqua® 600T W/R Enamel Kem Aqua® 1400 W/R Baking Enamel Kem Aqua® Gloss Enamel Polane® 700T W/R Enamel Polane® T Plus Polyurethane Polane® 2.8T Plus Polyurethane Polane® HS Plus Polyurethane Polane® S Plus Polyurethane Quick Dry 350 Enamel Permaclad® Baking Enamel <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p>	<p>Gloss: Flat</p> <p>Volume Solids: 30 ± 2%</p> <p>Viscosity: 60-70 Krebs Units</p> <p>Recommended film thickness:</p> <table border="0"> <tr> <td>Mils Wet</td> <td>1.2 - 2.0</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) 960-1600 sq ft/gal @ .3-.5 mil dft:</p> <p>Drying (0.3-0.5 mils dft, 77°F, 50% RH)</p> <table border="0"> <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>30 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 - 8.9</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum, less water 1.14 lb/gal, 136 g/L Volatile Organic Emissions as packaged, maximum 0.41 lb/gal, 49 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	Mils Wet	1.2 - 2.0	Mils Dry	0.3 - 0.5	To Touch:	5-10 minutes	Tack Free:	10-20 minutes	To Topcoat:	30 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: Aluminum Galvanized Steel Cold Rolled Steel Stainless Steel (surface abrasion is recommended) Non-Ferrous Metal</p> <p>Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p>
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APPLICATION

Typical Setups

Reduction: Reduce 25-35% with water as needed.

Conventional Spray:

Air Pressure 50-60 psi
Fluid Pressure 12 psi
Cap/Tip 63PK/65SS

HVLP:

Gun Binks Mach 1
Atomizing Air Pressure at the Cap .6 psi
Fluid Pressure 20 psi
Cap/Tip 95P/89

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.

SPECIFICATIONS

Product Limitations:

- 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.

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product.

A Material Safety Data Sheet is available from your local Sherwin-Williams facility. Please direct any questions or comments to your local Sherwin-Williams facility.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area.

Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use.

Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 21165-051905.

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.