



**SHERWIN  
WILLIAMS.**

# Chemical Coatings

CC-F48

## SHER-WOOD® KEM AQUA® Pigmented Lacquer Primer

White ..... E64W500

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p><b>SHER-WOOD® KEM AQUA® Pigmented Lacquer Primer</b> is a fast drying waterborne primer designed for priming interior woods. When used under Sher-Wood Kem Aqua Pigmented Lacquer, it also functions as a barrier to tannins which may be extracted from the wood.</p> <p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• Meets KCMA specifications when used under Sher-Wood Kem Aqua Pigmented Lacquer</li> <li>• Meets the Federal HAPS rule for wood finishes as packaged**</li> <li>• Very low VOC* - under 1.5 lb./gal. less water</li> <li>• Fast drying</li> <li>• Sands freely with no gumming in 30 minutes</li> <li>• Good gloss hold-out of topcoat</li> <li>• No critical recoat time</li> <li>• Application by conventional, airless, air assisted airless, or HVLP spray equipment</li> <li>• Good wet and dry hiding</li> <li>• Custom pastel colors available</li> <li>• Free of lead and chromate hazards</li> </ul> <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p> <p>**National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p>	<p><b>Gloss:</b> Flat</p> <p><b>Volume Solids:</b> 38 ± 2%</p> <p><b>Weight Solids:</b> 53 ± 2%</p> <p><b>Viscosity:</b> 70-80 Krebs Units 32-37 seconds #3 Zahn Cup</p> <p><b>Recommended film thickness:</b> Mils Wet 4.0-5.0 Mils Dry 1.5-1.9</p> <p><b>Spreading Rate</b> (no application loss) 304-428 sq ft/gal @ 1.5-1.9 mils DFT</p> <p><b>Drying</b> (77°F, 50% RH): To Touch: 5-10 minutes To Handle: 15-20 minutes To Sand: 30 minutes To Recoat: 30 minutes Force Dry: 10-20 minutes at 110-140°F</p> <p>Good air movement and humidity control are necessary for proper drying of water reducible coatings. When humid shop conditions exist, lower relative humidity is achieved only by raising the temperature 10-30°F and ventilating out the excess moisture.</p> <p><b>Flash Point:</b> None</p> <p><b>Package Life:</b> 1 year, unopened</p> <p><b>Air Quality Data:</b> Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 1.5 lb/gal, 180 g/L Volatile Organic Emissions as packaged, maximum 1.0 lb/gal, 120 g/L Hazardous Air Pollutants (HAPS) as packaged, maximum less than 0.8 lbs per lb of solids</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p><b>Wood</b> (interior only): Must be clean, dry, and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints, and any contamination to ensure optimum adhesion and coating performance properties. Moisture content of wood should be 6 to 8%.</p> <p><b>Testing:</b> 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> <p><b>Shading:</b> May be tinted with up to 4 ounces per gallon with either Blend-A-Color colorants or Kem Aqua colorants. Not to be used as part of a basecoat/clearcoat system.</p> <p><b>Wood Finishing System</b></p> <ol style="list-style-type: none"> <li>1. Primer—apply Sher-Wood Kem Aqua Pigmented Lacquer Primer at 4-5 mils wet. Air dry thoroughly. Sand with 240 grit sandpaper. A second coat of primer may be applied for improved holdout. Sand between primer coats and before topcoat.</li> <li>2. Topcoat—apply Sher-Wood® Kem Aqua® Pigmented Lacquer at 3-4 mils wet. A second coat may be applied. Sand with 240 grit sandpaper between coats.</li> <li>3. Dry—allow overnight drying before stacking or packing.</li> <li>4. Maximum dry film thickness of the system must not exceed 4 mils dry.</li> </ol>

## APPLICATION

### Typical Setups

**Reduction:** Apply full body. If needed, reduce up to 10% with water.

#### **Conventional Spray:**

Air Pressure ..... 45-55 psi

Fluid Pressure ..... 10-12 psi

#### **Airless Spray:**

Pressure ..... 600-900 psi

Tip ..... .011-.013"

#### **Air Assisted Airless:**

Air Pressure ..... 15-25 psi

Fluid Pressure ..... 600-900 psi

Tip ..... .011-.013"

#### **HVLP:**

Air Pressure ..... 6-7 psi

Fluid Pressure ..... 10 psi

Cap ..... 97P/92

#### **Cleanup:**

Clean tools/equipment immediately after use with water.

Flush equipment with water followed by flushing with 2 parts water and 1 part Butyl Cellosolve, R6K25.

Follow manufacturer's safety recommendations when using any solvent.

## SPECIFICATIONS

#### **Product Limitations:**

- Protect from freezing.
- For interior use only.
- Reductions of more than 15% with water will lessen performance as a barrier coat to tannins.
- For applications on MDF, two coats of primer are recommended. Sand between coats.
- Paint, substrate and ambient conditions must be above 60°F. During high humidity, use force dry up to 140°F with good air movement.
- Mix thoroughly before use. Avoid vigorous agitation which may cause foaming.
- The customer is urged to pretest the system under shop conditions
- Excessive wet film thickness of more than 5.0 mils wet may sag.
- Do not tint with UCDQ colorants or blend with Sher-Wood® Kem Aqua® Pigmented Lacquers (M64 Series) as package stability is poor.
- For wood substrates requiring a primer with additional filling properties, Kem Aqua® 65P SprayFil is recommended.

#### **Performance Tests:**

Cold Check Resistance ..... Passes 20 cycles when topcoated with Sher-Wood Kem Aqua Pigmented Lacquer.

## 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. Contains 2-Butoxyethanol, which upon prolonged or repeated exposure, may cause blood damage based on animal data. Can be absorbed through skin.

WARNING: This product contains chemicals known to the State of California to cause cancer.

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

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 19519-081607.

**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.