



**SHERWIN  
WILLIAMS.**

## Industrial Wood Coatings

CC-F47

# SHER-WOOD® KEM AQUA® Pigmented Lacquer

Gloss Black ..... M64B500  
Gloss Clear ..... M64C503

Low Gloss Black ..... M64B550  
Low Gloss Blending White .. M64W551

Low Gloss Clear .....M64F533  
Custom Blend ..... M64WX Series

### DESCRIPTION

**SHER-WOOD® KEM AQUA® Pigmented Lacquer** is a fast drying waterborne topcoat designed for use on a wide variety of interior wood finishing applications. This quality topcoat provides an excellent appearance over Sher-Wood® Kem Aqua® Pigmented Lacquer Primer. E64W500.

#### Advantages:

- VOC as packaged <2.0 lb/gal, 240 g/L \*
- Complete water system that handles and performs much like a lacquer
- Excellent mar resistance
- Good resistance to yellowing
- Dries to handle and sand in 30 minutes at room temperature
- Very good hardness, block resistance and print resistance
- Very good early water resistance
- Good flow and leveling
- No solvents needed - reduces with water\*\* - cleanup with soap and water
- Much higher solids than typical solvent based lacquers
- Full color and gloss range available
- Meets Kitchen Cabinet Manufacturers Association (KCMA) over Sher-Wood® Kem Aqua® Pigmented Lacquer Primer E64W500

#### Air Quality Data:

- Non-photochemically reactive
- Volatile Organic Compounds (VOC)  
Theoretical as packaged, less water and exempt solvents <2.0 lb/gal, 240 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged, no reportable VHAPS

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at [www.paintdocs.com](http://www.paintdocs.com)

\*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

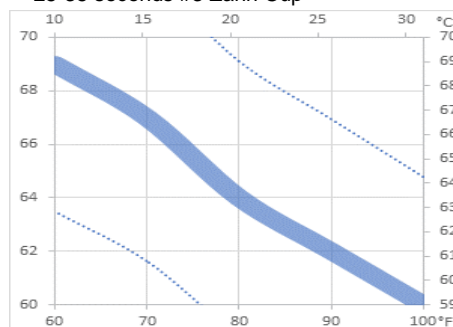
\*\*To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction.

### CHARACTERISTICS

**Gloss:** Gloss 78-83 units  
Low Gloss 20-25 units

**Volume Solids:** 28 ± 2%

**Viscosity:**  
25-35 seconds #3 Zahn Cup



The above chart is for information only and should not be used as product specifications

#### Recommended film thickness:

Mils Wet 3.0 -4.0  
Mils Dry 0.8 -1.1

**Spreading Rate** (no application loss)  
380-600 sq ft/gal @ 0.8-1.1 mils DFT

#### Drying (77°F, 50% RH):

To Touch: 15 minutes  
To Handle: 20-30 minutes  
To Sand: 30 minutes  
To Recoat: 30 minutes  
To Rub: 4 hours  
To Pack: overnight  
Force Dry: 10-20 minutes at 120°F or equivalent

Good air movement and humidity control are necessary for proper drying of water reducible coatings.

**Flash Point:** >200°F Seta-Flash  
Closed Cup

**Package Life:** 1 years, unopened

**Storage:** Inside storage  
Protect from freezing

**pH:** 8.5-9.0

### SPECIFICATIONS

#### Surface preparation:

**Wood - New Work** (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%.

**Previously finished wood** (interior only): Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.

#### Wood Finishing System

1. Primer—apply Sher-Wood Kem Aqua Pigmented Lacquer Primer E64W500 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.
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.
3. Dry—allow overnight drying before stacking or packing.
4. Maximum dry film thickness must not exceed 4 mils dry.

**NOTE: Do not use Kem Aqua Lacquer or Kem Aqua Plus Clear over Kem Aqua Pigmented Lacquer. Using these clears over this product will cause discoloration.**

**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.

## **APPLICATION**

### **Typical Setups**

**Reduction:** Apply full body. If needed, reduce up to 10% with water. To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction. May be applied to warm substrate (120°F maximum).

### **Conventional Spray:**

Air Pressure..... 50-60 psi

Fluid Pressure ..... 10-12 psi

### **Airless Spray:**

Pressure .....700-900 psi

Tip .....011-.013"

### **Air Assisted Airless:**

Air Pressure..... 25-30 psi

Fluid Pressure .....700-900 psi

Tip .....011-.013"

### **HVLP:**

Atomizing Air .....60 psi

Fluid Pressure .....10 psi

Air Cap Air Pressure..... 8-9 psi

### **Cleanup:**

Clean tools/equipment immediately after use with soap and water, then dry thoroughly. Flush equipment with water followed by flushing with alcohol to remove water residue and to prevent rusting.

Follow manufacturer's safety recommendations when using any solvent.

### **Performance Tests:**

Cold Check Resistance.....Passes 20 cycles

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## **ADDITIONAL INFORMATION**

- Complete water-based system is recommended - primer and topcoat. Not recommended as a self-seal system. Use Sher-Wood Kem Aqua Pigmented Lacquer Primer E64W500.
- Not recommended for exterior use.
- Use stainless steel spray equipment. Tank, piping and containers should be lined steel or plastic.
- Mix thoroughly prior to use. Avoid vigorous agitation which may cause bubbling or foaming.
- Must not be exposed to freezing temperatures. Store inside.
- Dries primarily by water evaporation. Drying is retarded by high humidity or cold conditions. Best drying occurs at relative humidity of 50% or lower and temperature of 77°F or above. Good air movement is essential for complete dry.
- The customer is urged to pretest the system under shop conditions.
- Excessive wet film thickness (>4.0 mils wet) may sag - spray thin film.
- Primer must be dry and sanded before top-coating.
- When finishing redwood, red or white oak, and cedar wood with water based finishes, tannins may be extracted from the wood and cause yellowing or discoloration of the topcoat. This tannin bleed is most evident over unprimed wood surfaces. Therefore, Sher-Wood Kem Aqua Pigmented Lacquer Primer E64W500 must be used. Users are urged to thoroughly test the system under shop conditions.
- Sher-Wood Kem Aqua Pigmented Lacquer Clears, M64C503 and M64F553, are not recommended for use over light pastel and white colors as a "water white" clear coat due to an inherent yellow cast appearance.
- Products must be air dried at least overnight with good air movement before stacking or packing.
- Some applications and equipment setups, especially air assisted airless and airless, may be prone to microfoaming of the wet film which will give lower gloss and clarity. Do not use higher pressures than needed for atomization.
- For wood substrates requiring a primer with additional filling properties, Kem Aqua® 65P SprayFil is recommended.
- Custom colors can be made by blending intermix bases, or by shading with Kem Aqua® Colorants, Color Cast Ecotoner® or Blend-A-Colorant® (BAC). Maximum tint loads per gallon are 4 ounces with Kem Aqua® Colorants and 8 ounces for the ColorCast Ecotoner® and Blend-A- Colorant® Colorants.

## **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](http://www.paintdocs.com).

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

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