



**SHERWIN  
WILLIAMS.**

## Industrial Wood Coatings

CC-F46

# SHER-WOOD® KEM AQUA® Lacquer Sanding Sealer

Clear.....T65F520  
Custom Blend.....T65WX Series

### DESCRIPTION

**SHER-WOOD® KEM AQUA® Lacquer Sanding Sealer** is a water reducible sealer to be used in conjunction with Kem Aqua Lacquer topcoat (T75C525 series). It improves the film build of Sher-Wood® Kem Aqua® Lacquer where desired.

#### **Advantages:**

- Meets Kitchen Cabinet Manufacturers Association (KCMA) tests with Kem Aqua Lacquer topcoat
- Excellent film clarity - like solvent- based nitrocellulose lacquers
- User friendly - easy to handle
- Dries to handle and sand in 30 minutes at room temperature
- Contains water - reduces with water\* - cleanup with soap and water
- Minimizes tannin bleed discoloration when used with Sher-Wood Kem Aqua Lacquer.
- Good flow and leveling

#### **Air Quality Data:**

- Non-photochemically reactive
- Volatile Organic Compounds (VOC)  
Theoretical as packaged, less water and exempt solvents <1.75 lb/gal, 210 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged, no reportable VHAP

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

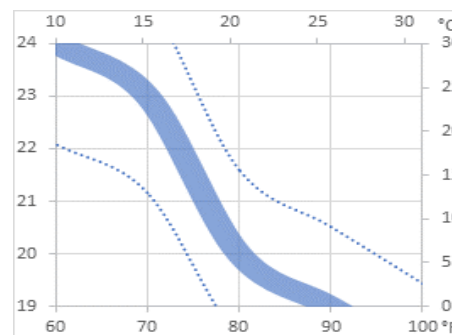
\*To ensure optimal coating performance and stability, it is recommended to use deionized water for reduction.

### CHARACTERISTICS

**Volume Solids:** 28 ± 1%

#### **Viscosity:**

22-27 seconds #2 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) 395-580 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  
Force Dry: 10-20 minutes at 120°F or equivalent

Sher-Wood Kem Aqua Lacquer Sanding Sealer dries primarily by water evaporation. Best drying occurs at relative humidity of 50% or lower and temperatures of 70°F (25°C) or higher. Good air movement is essential for complete dry.

**Flash Point:** None

**Package Life:** 1 year, unopened

**Storage:** Store inside - Protect from freezing

### 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.

#### **Toner Recommendations:**

Sher-Wood Kem Aqua Lacquer Sanding Sealer can be used to make toner as follows: Add up to 5 oz. per gallon of Sher-Wood Water Reducible Wiping Stain, (S64H501 series) under thorough agitation; or, add 5 oz per gallon of

Sher-Wood Universal Dye Concentrate, (S61B500 series) reduced 100% with water to a blend of 30 oz. of T65F520 reduced 300% with water under agitation (do not shake). **Caution: Metal cans, both lined and unlined, are not recommended for packaging these toners as corrosion will occur.**

**Note: Kem Aqua Lacquer and Kem Aqua Lacquer Sealer should not be mixed together as a liquid. They are not compatible and will turn orange.**

**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 3% 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.....40 psi

Fluid Pressure ..... 15-20 psi

### **Airless Spray:**

Pressure .....1200-1400 psi

Tip .....011-.013"

### **Air Assisted Airless:**

Air Pressure..... 20-30 psi

Fluid Pressure ..... 600-700 psi

Cap/Tip.....011"

### **HVLP:**

Atomizing Air .....65 psi

Fluid Pressure ..... 10-12 psi

### **Cleanup:**

Clean mixing equipment immediately after use with soap and water. Flush spray equipment completely with water followed by flushing with alcohol to remove water residue and to prevent rusting.

Follow manufacturer's safety recommendations when using any solvent.

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## **ADDITIONAL INFORMATION**

- Complete water-based system is recommended - stain, sealer and topcoat.
- Not recommended for exterior use.
- Use stainless steel spray equipment. Tank, piping and containers should be lined steel or plastic. T65F520 is incompatible with iron, zinc, and aluminum. It should not be allowed to come into contact with these metals or their alloys in storage tanks, piping, mixers or containers. Gelation can result.
- 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 temperatures 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 (>5.0 mils wet) may sag - spray thin film.
- Very low humidity may cause mud-cracking and poor film properties.
- When finishing Redwood, Red or White Oak, and Cedar wood with water-based finishes, tannins may be extracted from the wood by the water and cause yellowing staining or discoloration of the stain, sealer and/or topcoat. This tannin bleed is most evident with white or pickled stains and clear topcoat. Users are urged to thoroughly test the system under shop conditions.
- Natural finished woods (unstained) will change color on aging and exposure to light. This is a natural phenome- non. Clear finishes will not prevent the wood from changing color.
- This product, and other water reducible clears, may yield a slightly different color over dye stain than solvent based clears.
- Some applications and equipment setups, especially air assisted airless and airless, may be prone to micro- foaming of the wet film which will give lower gloss and clarity. Do not use higher pressures than needed for atomization.
- May be tinted with up to 4 ounces of Kem Aqua® Colorants per gallon.

## **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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