



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-F46

SHER-WOOD® KEM AQUA® Lacquer Sanding Sealer

Clear T65F520

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>SHER-WOOD® KEM AQUA® Lacquer Sanding Sealer is a water reducible sealer to be used in conjunction with Kem Aqua Lacquer topcoat. It improves the film build of Sher-Wood® Kem Aqua® Lacquer where desired.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Meets the Federal HAPS rule for wood finishes as packaged* • Very low volatile organic emissions - less than 1.0 lb/gallon • Excellent film clarity - like solvent-based nitrocellulose lacquers • User friendly - easy to handle • Dries to handle and sand in 30 minutes at room temperature • Minimizes tannin bleed discoloration when used with Sher-Wood Kem Aqua Lacquer. • Good flow and leveling • Contains water - reduced with water - clean-up with soap and water • Meets Kitchen Cabinet Manufacturers Association (KCMA) tests with Kem Aqua Lacquer topcoat <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p>	<p>Volume Solids: 28 ± 1% Weight Solids: 31 ± 1% Viscosity: 22-27 seconds #2 Zahn Cup Recommended film thickness: Mils Wet 3.0 - 4.0 Mils Dry 0.8 - 1.1 Spreading Rate (no application loss) 394-582 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</p> <p>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.</p> <p>Flash Point: None Package Life: 1 year, unopened Storage: Store inside - Protect from freezing</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum, less water 2.0 lb/gal, 240 g/L Volatile Organic Emissions as packaged, maximum 1.0 lb/gal, 121 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>Wood (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>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> <p>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 under thorough agitation; or, add 5 oz per gallon of Sher-Wood Universal Dye Concentrate 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.</p> <p>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.</p>

APPLICATION

Typical Setups

Reduction: Apply full body. If needed, reduce up to 3% with water. 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

Tip011-.013"

Air Assisted Airless:

Air Pressure 20-30 psi

Fluid Pressure 600-700 psi

Cap/Tip011"

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.

SPECIFICATIONS

Product Limitations:

- 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 mudcracking 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 phenomenon. 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 microfoaming 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

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.

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.

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

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 1134-100402.

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.