



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-F38

SHER-WOOD® White CAB-Acrylic Lacquer

Gloss Warm White M64W1
 Low Gloss Warm White M64W2
 Gloss Blending White M64W3
 Low Gloss Blending White ... M64W4

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>SHER-WOOD® White CAB-Acrylic Lacquers are designed for interior wood finishing where light stable, non-yellowing whites and pastels are required. These white lacquers can be used for finishing kitchen cabinetry, furniture, and other interior woodworking. Cellulose Acetate Butyrate (CAB) Acrylic represents the best chemistry of lacquers for resistance to yellowing.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Excellent resistance to yellowing - superior to all nitrocellulose compositions • Meets KCMA specifications when applied over Sher-Wood Vinyl Sealers, T67F3, T67F5, and T67F6 Sher-Wood White Vinyl Sealer, P63W2 or Sher-Wood Vinyl Primer Surfacer, P65W4 • Meets the Federal HAPS rule for wood finishes as packaged* • VOC under 5.5 lb/gal** • Fast drying - similar to nitrocellulose lacquers • Application by conventional, airless, air-assisted airless, or HVLP spray equipment • Excellent print resistance after overnight dry • Available in a variety of off white and pastel colors • May be blended with Sher-Wood Clear CAB-Acrylic Lacquer • Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: Subchapter B, part 1303. <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR 40, Part 63, Subpart JJ</p> <p>**VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p>	<p>Gloss: Gloss 78-85 units Low Gloss 15-20 units</p> <p>Volume Solids: 21.5 ± 2%</p> <p>Viscosity: 26-32 seconds #2 Zahn Cup 24-29 seconds #4 Ford Cup</p> <p>Recommended film thickness: Mils Wet 4.0 - 6.0 Mils Dry 0.9 - 1.3</p> <p>Spreading Rate (no application loss) 265-383 sq ft/gal @ 0.9-1.3 mils DFT</p> <p>Drying (77°F, 50% RH): To Touch: 10 minutes To Handle: 20 minutes To Sand: 30-60 minutes To Recoat: 30-60 minutes Force Dry: 10-20 minutes at 110-140°F</p> <p>Pack Time: 24 hours Flash Point: 22-37°F Pensky-Martens Closed Cup</p> <p>Package Life: 2 years, unopened</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 5.42 lb/gal, 649 g/L 2.22 lbs VOC/lb solids Hazardous Air Pollutants (HAPS) as packaged, maximum less than 0.8 lbs per pound 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>Finishing System:</p> <ol style="list-style-type: none"> 1. Spray a full wet coat of Sher-Wood Vinyl Primer Surfacer, P65W4, to hide grain. Apply a second coat if necessary. Where grain definition is desired, prime with Sher-Wood White Vinyl Sealer, P63W2 or Sher-Wood Vinyl Sealers, T67F3, T67F5, or T67F6. 2. Air dry 30 minutes, sand, and remove sanding dust. 3. Apply a full wet coat of Sher-Wood CAB-Acrylic Lacquer and allow 30-60 minutes drying. 4. For additional fullness, apply a second coat or apply a coat of clear CAB-Acrylic Lacquer for depth and ultimate metal mark resistance. <p>Note: When finishing MDF, preseal routed areas and edges of MDF with vinyl sealer T67F3 before priming. Sealers can be reduced up to 1:2 with Lacquer Thinner R7K22 or HAPS Compliant Lacquer Thinner R7K322 for this application. Sand sealer lightly before priming. Presealing provides a better appearance and more stable finished product.</p>

APPLICATION

Typical Setups

Reduction: Reduce with Lacquer Thinner R7K120 or HAPS Compliant Lacquer Thinner R7K320. For faster dry use MEK at 5-10% or up to 20% Butyl Acetate R6K18 as a HAPS compliant alternative. Acetone, R6K9 can be used as a non-HAPS, non-VOC fast reducer. In high humidity conditions or where blushing is evident, add 1-5% MAK R6K30.

Conventional Spray:

Air Pressure 30-45 psi
Fluid Pressure 6-8 psi
Reducer none

Airless Spray:

Pressure 1200-1800 psi
Tip011 - .015"
Reducer Lacquer Thinner
Reduction Rate .. as needed up to 10%

Air Assisted Airless:

Air Pressure 10-15 psi
Fluid Pressure 400-600 psi
Tip011 - .015"
Reducer Lacquer Thinner
Reduction Rate .. as needed up to 10%

HVLP:

Atomizing Pressure 9 psi
Fluid Pressure 5-10 psi
Tip047
Reducer none

Cleanup:

Clean tools/equipment immediately after use with Lacquer Thinner or a HAPS complying replacement. Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Surface to be finished must be free of grease, dirt, and other foreign matter.
- For KCMA application prime with T67F3, T67F5, T67F6, P63W2, or P65W4 only.
- Self-sealing systems are not recommended.
- Maximum cure and resistance properties are obtained after 14 days air drying.
- For interior use only.
- Agitate thoroughly before use.
- Maximum dry film thickness of the system should not exceed 4.0 mils.
- Store finished wood parts in an environment to maintain moisture content within 2 percentage points of the 6-8% wood moisture content. Excessive movement in wood moisture content can cause product failure: cracking, delamination, loss of resistance properties.
- Some lower quality woods, such as Luan and Basswood, lack dimensional stability and are not recommended due to increased risk of cracking. All finishing systems should be pre-tested on the substrate prior to use.
- To maintain HAPS compliance only reduce with HAPS compliant reducers.
- Customer colors and gloss ranges available by intermixing low and high gloss bases with 844 colorants.

Performance/Household Chemical Tests:

Wood test panels were prepared with one coat White Vinyl Primer Surfacer P65W4, plus two coats Sher-Wood CAB-Acrylic Lacquer, M64W1. These panels were allowed to ambient age 30 days. Panels were tested per the KCMA Chemical Resistance method. The results are as follows:

Vinegar No Effect
Lemon Juice No Effect
Orange Juice No Effect
Grape Juice No Effect
Tomato Catsup No Effect
Coffee No Effect
Olive Oil No Effect
100 Proof Alcohol No Effect
Water & Detergent (1%) No Effect
Mustard (1 hour) Very Slight Discolor

Cold Check Resistance:

Panels prepared as outlined above passed 20 cold check cycles.

Resistance to Discoloration:

Finished panels exposed to 200 hours UV light (60 watt germicidal lamps) showed virtually no yellowing while conventional nitrocellulose lacquer exhibited substantial yellowing.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION

Thoroughly review product label and Material Safety Data Sheet (MSDS) 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.

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.