



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-F7

SHER-WOOD® Moisture Resistant Lacquer

Gloss T70C20
 Medium Rubbed Effect T70F22
 Dull Rubbed Effect T70F23

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>SHER-WOOD® Moisture Resistant Lacquers are self sealing general purpose topcoats specially designed for resistance to moisture and household chemicals.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Meets the Federal HAPS rule for wood finishes as packaged* • Excellent moisture resistance • Excellent resistance to household chemicals • Self sealing • Non-photochemically reactive • Excellent adhesion • Excellent cold check resistance • Excellent print resistance • Meets the test requirements of KCMA specifications (See Specifications section) <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p>	<p>Gloss: Gloss Full MRE 30-34 units DRE 17-21 units</p> <p>Volume Solids: 16 ± 2%</p> <p>Viscosity: 28-33 seconds #2 Zahn Cup</p> <p>Recommended film thickness: Mils Wet 5.0 - 6.0 Mils Dry 0.8 - 1.0</p> <p>Spreading Rate (no application loss) 225-361 sq ft/gal @ 0.8-1.0 mil DFT</p> <p>Drying (77°F, 50% RH): To Touch: 10-15 minutes To Handle: 30-45 minutes To Recoat: 60 minutes, do not exceed 12 hours</p> <p>Force Dry: To Sand 10 minutes at 140°F To Recoat: 15 minutes at 140°F To Pack: 60 minutes at 140°F</p> <p>Flash Point: 22°F Pensky-Martens Closed Cup</p> <p>Package Life: 3 years, unopened</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 5.63 lb/gal, 675 g/L 3.19 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>Wood Finishing System: Three Coat System</p> <ol style="list-style-type: none"> 1. Moisture Resistant Lacquer, dry one hour, sand with stearedated paper 2. Moisture Resistant Lacquer, dry one hour, sand with stearedated paper 3. Moisture Resistant Lacquer <p>Sanding Sealer System</p> <ol style="list-style-type: none"> 1. Vinyl Sanding Sealer, T67F3, T67F5, T67F6 or T67F7, dry 30 minutes and sand 2. Moisture Resistant Lacquer, dry one hour 3. Moisture Resistant Lacquer <p>The 3 coat system is ideal for customers who like to limit the number of finishing materials they must have on hand to one product.</p>

APPLICATION

Typical Setups

Reduction: Normally not required. If reduction is needed use HAPS Compliant Lacquer Thinner, R7K320 or R7K322. Lacquer thinner K22 or K120 may also be used, but are not HAPS compliant. MAK, R6K30 can be used to retard the dry time & prevent film blushing.

May be applied by:

Conventional
Airless Spray
Warm Spray
Curtain Coating
Consult your Sherwin-Williams Representative for details.

Conventional Spray:

Air Pressure 50-65 psi
Fluid Pressure 12-15 psi

Airless Spray:

Air Pressure 1200-1800 psi
Tip Size009-013

Cleanup:

Clean tools/equipment immediately after use with HAPS complying lacquer thinner, R7K 320 or R7K322. Lacquer thinner, K120 or K22, may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

Moisture Resistance Test:

Birch panels were finished with 3 coats of Gloss Moisture Resistant Lacquer, with 1 hour drying between coats. The front, back and all sides were finished.

1. An "X" cut was made through the finish to the wood. This was covered with a wet synthetic sponge for 16 hours. After sponge removal, a whitening appeared, on the cut, which disappeared after 2 hours.
2. KCMA Finish Test, F-4, Detergent and Water Test—no effect.

Performance Tests:

Cold Check Resistance 20 cycles
Print Resistance No print
3.0 mils dft, 18 hours air dry, at 1 psi at 77°F in direct contact with 8 oz. duck cloth.

SPECIFICATIONS

Product Limitations:

- Apply all coats within a 12 hour period or lifting may occur.
- Apply directly to bare or stained wood for best adhesion and moisture results. Adhesion may be impaired and resistance to moisture lowered if used over lacquer sealer. If a sealer is desired use Sher-Wood Vinyl Sealer, T67F3, T67F5, T67F6 or T67F7.
- Customer urged to pretest system under shop conditions.
- Sand and remove sanding dust between each coat.
- Not recommended for exterior use.
- To maintain HAPS compliance only reduce with HAPS compliant reducers.

Household Chemicals Test

Maple panels were finished with 3 coats of Gloss Moisture Resistant Lacquer, with 1 hour drying between coats. After film was aged 30 days at 77°F, 5 drops of each item were placed under a watch glass for one hour. The film was rinsed with water, washed with soap and water, dried and wiped with VM&P Naphtha to remove items not removed with water. After removal, the finish was examined and the following results noted:

Household Ammonia slight haze/dulling
Vinegar no visual effect
Lipstick no visual effect
Lemon Juice no visual effect
50% Ethyl Alcohol no visual effect
Mercurochrome 2% no visual effect
Washable Blue Ink no visual effect
Mustard no visual effect
Oil Base Paint no visual effect
Latex Emulsion Paint no visual effect
VM&P Naphtha no visual effect
Turpentine no visual effect
Orange Crayon no visual effect
Carbon Tetrachloride no visual effect
Mayonnaise no visual effect
10% Sodium Carbonate no visual effect
Sour Milk no visual effect
Margarine no visual effect
Butter no visual effect
Water no visual effect
Grease (Cooking fat) no visual effect

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION

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.

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.