



**SHERWIN
WILLIAMS.**

SHER-WOOD®

Moisture Resistant Lacquer

GlossT70C20
Medium Rubbed EffectT70F22
Dull Rubbed EffectT70F23

DESCRIPTION

SHER-WOOD® Moisture Resistant Lacquers are self-sealing, general purpose topcoats specially designed for resistance to moisture and household chemicals.

Advantages:

- 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)
- Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: Subchapter B, part 1303.

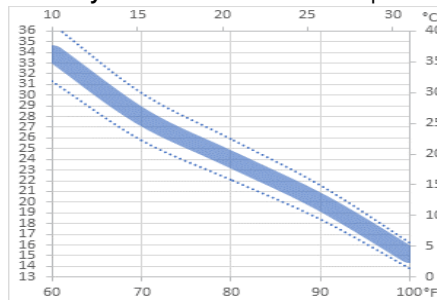
*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ

CHARACTERISTICS

Gloss: Gloss 85+ units
MRE 34-38 units
DRE 17-21 units

Volume Solids: 16 ± 2%

Viscosity: 28-33 seconds #2 Zahn Cup



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

Recommended film thickness:

Mils Wet 5.0 - 6.0
Mils Dry 0.8 - 1.0

Spreading Rate (no application loss) 225-361 sq ft/gal @ 0.8-1.0 mil DFT

Drying (77°F, 50% RH):

To Touch: 10-15 minutes
To Handle: 30-45 minutes
To Recoat: 60 minutes, do not exceed 12 hours

Force Dry:

To Sand 10 minutes at 140°F
To Recoat: 15 minutes at 140°F
To Pack: 60 minutes at 140°F

Flash Point: 22°F PMCC

Package Life: 3 years, unopened

Air Quality Data (Theoretical):

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum:
5.63 lbs/gal, 675 g/L
3.19 lbs VOC/lbs solids
- Hazardous Air Pollutants (HAPS) as packaged, maximum:
less than 0.8 lbs per pound of solids

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com

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 Systems:

Three Coat System

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

Sanding Sealer System

1. Vinyl Sanding Sealer, T67F3, T67F5 or T67F6, dry 30 minutes and sand
2. Moisture Resistant Lacquer, dry one hour
3. Moisture Resistant Lacquer

The three coat system is ideal for customers who like to limit the number of finishing materials they must have on hand to one product. **Do not exceed 4.0 mils DFT for the total system.**

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: Normally not required. If reduction is needed use HAPS Compliant Lacquer Thinner, R7K320. Lacquer thinner K22 or K120 may also be used but are not HAPS compliant.

Retard: 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 Size..... 009-013

Cleanup:

Clean tools/equipment immediately after use with HAPS complying lacquer thinner, R7K320. Lacquer thinner, K120 or K22, may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

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 or T67F6.
- 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.
- Do not exceed 4.0 mils DFT for the total system.

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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 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.

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

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