SHER-WOOD® Catalyzed Lacquer

Medium Rubbed Effect T77F32
Catalyst.....V66V26

DESCRIPTION

SHER-WOOD® Catalyzed Lacquer combines the toughness and chemical resistance of catalyzed varnishes and the depth and appearance properties associated with high quality nitrocellulose lacquers.

Advantages:

- Meets the Federal HAPS rule for wood finishes as packaged*
- Excellent resistance to household chemicals and solvents
- Meets KCMA specification requirements when applied over catalyzed Sher-Wood Vinyl Sealers, T67F3, T67F5 or T67F6
- Fast drying - similar to nitrocellulose lacquers
- 21% Volume Solids - much higher than most standard lacquers
- Ideal for kitchen cabinets, vanities, chairs, office furniture, household furniture and a wide range of interior wood products
- Versatile application - may be applied by conventional, airless and air assisted airless spray
- Can be rubbed like a nitrocellulose lacquer
- Excellent print resistance
- 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 (measured on black glass):
MRE 34-38 units

Volume Solids: 21.0 ± 2%
Viscosity:
20-26 seconds #2 Zahn Cup
18-22 seconds #4 Ford Cup

Recommended film thickness:
Mils Wet 4.0 - 5.0
Mils Dry 0.8 - 1.0
Spreading Rate (no application loss)
305-461 sq ft/gal @ 0.8-1.0 mil DFT

Drying (77°F, 50% RH):
To Touch: 10 minutes
To Handle: 15-20 minutes
To Sand: 30-60 minutes
To Recoat: 30-60 minutes
Force Dry: 10-20 minutes at 110-140°F
Flash Point: 37°F PMCC

Mixing Ratio:
1 gallon Catalyzed Lacquer
3% Catalyst, V66V26

Pot Life: 30 days

Package Life: 2 years, unopened

Air Quality Data (Theoretical):

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum:
  5.5 lb/gal, 654 g/L
  2.55 lbs VOC/lb solids
- Volatile Hazardous Air Pollutants (VHAPS) as packaged, less than 0.80 lbs/lb of solids

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

VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

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.

Recommended Finishing System:

1. Sealer - Sher-Wood Vinyl Sealers T67F3, T67F5 or T67F6 catalyzed (Consult the corresponding data pages for details). Spray a full wet coat. Air dry 30 minutes.
2. Sand with 220-280 grit paper and remove sanding dust.
3. Topcoat - Catalyze with 3% V66V26 if not previously catalyzed. Reduce and spray a full wet coat (4.0-5.0 mils wet) and allow to dry. For more depth, apply a second coat.
4. Allow overnight drying before packing, stacking or rubbing. May vary with drying conditions.
5. Maximum dry film thickness of the system must not exceed 4.0 mils.

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, compatability and performance prior to full scale application.

APPLICATION

Typical Setups

Reduction: Normally not required. If reduction is needed use HAPS Compliant Lacquer Thinner R7K320. Opex Lacquer Thinner R7K22 or R7K120 may also be used but are not HAPS compliant.
Retard: To retard, use either MAK R6K30 at 5-10%, EEP R6K35 at 2-5% or 2-Butoxyethanol R6K25 at 1-2% by volume.

Conventional Spray:
Air Pressure..... 45-65 psi
Fluid Pressure ..... 6-10 psi
Reduction Rate.....no reduction needed

Airless Spray:
Pressure .....1200 psi
Tip .....011-.013"
Reduction Rate.....no reduction needed

Air Assisted Airless:
Pressure .....400-700 psi
Tip ..... .011 - .013"
Reducer.....R7K320 as needed up to 10%. R7K22 or R7K120 may also be used but are not HAPS compliant.

Cleanup:
Clean tools/equipment immediately after use with HAPS Compliant Lacquer Thinner, R7K320. Lacquer Thinner R7K22 or R7K120 may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

Household Chemicals Test
Wood test panels were prepared with one coat of Sher-Wood Vinyl Sealer plus two coats of catalyzed lacquer and air dried for 30 days before testing. Five drops of each item were placed under a watch glass for one hour. Film was rinsed with water, washed with warm water and soap, dried, and wiped with VM&P Naphtha to remove items not removed with water.
Acetic Acid.....no effect
Butter.....no effect
Carbon Tetrachloride .....no effect
50% Ethyl Alcohol.....no effect
Household Ammonia .....no effect
Ketchup .....no effect
Lemon Juice .....no effect
Lipstick .....no effect
Mayonnaise .....no effect
Mustard .....no effect
Nail Polish Remover .....no effect
Tomato Juice .....no effect
Turpentine .....no effect
VM&P Naphtha.....no effect
Vinegar .....no effect
Washable Blue Ink.....no effect
Wesson Oil .....no effect
Xylene .....no effect

SPECIFICATIONS

Product Limitations:
- This product **must** be catalyzed with 3% Sher-Wood Catalyst, V66V26, before use. Complete cross-linking and film properties will not be attained without catalyzation.
- Catalyst may be added by the user or by the Sherwin-Williams outlet.
- This product should be used within 30 days after being catalyzed to obtain optimum properties. The catalyst causes chemical reaction in the package and dissipates after 30 days, performance properties are downgraded. **Adding additional catalyst after 30 days does not restore film properties.**
- Store at room temperature (under 80° F) after catalyzation. Higher tempera-tures will reduce the storage life.
- Do not use as a self-sealing system because of a potential for lifting in multi-coat application, and poorer overall performance properties.
- Apply over catalyzed Sher-Wood Vinyl Sealers T67F3, T67F5 or T67F6 to meet KCMA cold check requirements.
- Total film thickness of systems must not exceed 4.0 mils dry film because heavier films may show cracking tendencies.
- For interior use only
- Customers are urged to pretest the system under shop conditions
- Sher-Wood Catalyst V66V26 is an acid. To prevent acid corrosion and pitting, all equipment should be made of stainless steel. Containers should be stainless steel or plastic.
- Maximum cure and chemical resistance is obtained after 14 days air drying
- Natural wood will change color by it- self and clear wood finishes will not keep this from occurring. This finishing lacquer and all other nitrocellulose based lacquers will yellow over time, with wood tone stains, this yellowing actually makes a warmer, softer appearance. Where white stains, pickled finishes, or white basecoats are used, nitrocellulose lacquers should not be used because the yellowing of the sealer and topcoat may be considered objectionable. For these applications, Sher-Wood Acrylic Conversion Coating is recommended.
- To maintain HAPS compliance only reduce with HAPS compliant reducers.

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.