**Product Finishes**

SHER-WOOD® Catalyzed Lacquer (Precat)

Gloss (measured on black glass):
- Gloss: 85+ units
- BRE: 55-59 units
- MRE: 34-38 units
- DRE: 17-21 units

Weight Solids: 28.6 ± 2%
Volume Solids: 20.5 ± 2%

Viscosity:
- 27-32 seconds #2 Zahn Cup
- 26-30 seconds #4 Ford Cup

Recommended film thickness per coat:
- Mils Wet: 4.0 - 6.0
- Mils Dry: 0.75 - 1.1

Spreading Rate (no application loss):
@ 0.75-1.1 mil dft: 246-362 sq ft/gal

Drying (77°F, 50% RH):
- To Touch: 5-10 minutes
- To Handle: 15-20 minutes
- To Sand: 20-40 minutes
- To Recoat: 20-40 minutes
- Force Dry: 5-10 minutes at (110-140°F), then air dry 1 hour minimum to pack

Flash Point: 4°F PMCC

Mixing Ratio:
- 1 gallon Lacquer
- 1.5 oz Catalyst, V66V22

Pot Life: 6 months
Package Life:
- uncatalyzed: 2 years
- catalyzed: 6 months

Air Quality Data:
- Non-photochemically reactive
- Volatile Organic Compounds (VOC) theoretical, maximum, less exempt solvents as packaged:
  - 5.47 lb/gal, 656 g/L
  - Catalyzed and reduced (R7K320 at 10%): 5.64 lb/gal, 675 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged:
  - No reportable VHAPS

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

---

**DESCRIPTION**

SHER-WOOD® Catalyzed Lacquer (Precat) is a fast drying, high performance, conversion lacquer for the general wood finishing market. After catalyzation, it provides 6 months pot life as a precat lacquer.

**Advantages:**
- Meets KCMA test requirements for finishes as a self-sealed system or over catalyzed Sher-Wood Vinyl Sealer, T67F3, T67F5 or T67F6
- Precatalyzed lacquer with 6 months working pot life
- Very fast dry to sanding and packing - like nitrocellulose lacquer
- Ready to spray - no reduction needed
- Good resistance to household stains
- Good flexibility - passes 20 cold check cycles
- Versatile application - may be applied by conventional, airless, air-assisted airless and HVLP spray methods
- Ideal for kitchen cabinets, vanities, chairs, office furniture, household furniture, novelties, and a wide range of interior wood products

---

**SPECIFICATIONS**

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%.

**Wood Finishing System**

1. Color wood - Stain or tone as desired and dry thoroughly.
3. Sand - Sand with 240 grit or equivalent, remove sanding dust.
4. Topcoat - Spray a full wet coat of catalyzed lacquer (Precat) at 4.0-6.0 mils wet.
5. For more depth or build apply an additional coat. **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

THIS PRODUCT MUST BE CATALYZED. DETERMINE IF IT HAS BEEN CATALYZED. If not, catalyze 1.2% (1.5 oz/gal) with Sher-Wood Precat Catalyst V66V22 before use at a level of 1.2% (1.5 ounces per gallon). Product will typically be catalyzed before delivery to the customer. Complete cross-linking and film properties will not be attained without catalyzation.

This product should be used within 6 months after being catalyzed to obtain optimum properties. The catalyst causes chemical reaction in the package and dissipates after 6 months and performance properties are downgraded. Adding additional catalyst does not restore film properties.

This product must be catalyzed with Sher-Wood Precat Catalyst V66V22 before use at a level of 1.2% (1.5 ounces per gallon). Product will typically be catalyzed before delivery to the customer. Complete cross-linking and film properties will not be attained without catalyzation.

ADDITIONAL INFORMATION

- This product must be catalyzed with Sher-Wood Precat Catalyst V66V22 before use at a level of 1.2% (1.5 ounces per gallon). Product will typically be catalyzed before delivery to the customer. Complete cross-linking and film properties will not be attained without catalyzation.
- This product should be used within 6 months after being catalyzed to obtain optimum properties. The catalyst causes chemical reaction in the package and dissipates after 6 months and performance properties are downgraded. Adding additional catalyst does not restore film properties.
- Store at room temperature (under 80°F) after catalyzation. Higher temperatures will reduce the storage life.
- Self-seal or apply over catalyzed Sher-Wood Vinyl Sealer T67F3, T67F5 or T67F6 to meet KCMA requirements.
- To achieve maximum performance properties a minimum of 2 mils DFT is required.
- Total film thickness of systems must not exceed 4 mils dry film because heavier films may show cracking and checking tendencies.
- For interior use only.
- Sher-Wood Precat Catalyst V66V22 is an acid. To prevent acid corrosion and pitting, all equipment should be made of stainless steel. Containers should be stainless steel or plastic.
- Do not catalyze with other acid catalysts because of fast reactivity and pot life problems.
- Natural wood will change color by itself and clear wood finishes will not keep this from occurring.
- To maintain HAPS compliance, only reduce with HAPS compliant reducers.
- This finishing lacquer will yellow over time. With wood tone stains, this yellowing actually makes a warmer, softer appearance. Where white stains, pickled finishes, or white bascoats are used, nitrocellulose lacquer should not be used because of the yellowing of the sealer and topcoat may be considered objectionable. For these applications, Sher-Wood Acrylic Conversion Coating is recommended.
- Maximum cure and chemical resistance is attained after 10 days air drying.

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.

Note: All purchases of products from Sherwin-Williams are exclusively subject to Sherwin-Williams' terms and conditions of sale which can be found at www.sherwin.com. Please review these terms and conditions prior to the purchase of the products.

Sherwin-Williams warrants the product to be free of manufacturing defect in accordance with Sherwin-Williams' quality control procedures. Except for the preceding sentence, due to factors that are outside of Sherwin-Williams' control, including substrate selection, and customer handling, preparation, and application, Sherwin-Williams cannot make any other warranties related to the product or the performance of the product. SHERWIN-WILLIAMS DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Liability for products proven to be defectively manufactured will be limited solely to replacement of the defective product or the refund of the purchase price paid for the defective product, as determined by Sherwin-Williams. Under no circumstances shall Sherwin-Williams be liable for indirect, special, incidental or consequential damages, lost profits or punitive damages arising from any cause whatsoever.