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 specifications as a self-sealed system or over catalyzed Sher-Wood Vinyl Sealers, T67F3, T67F5 or T67F6, as a system
- HAPS Free as packaged
- 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
- Free of lead hazards as packaged in compliance with Consumer Product Safety Commission’s (CPSC) 16 CFR Chapter II: subchapter B, part 1303.

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%.

Testing: Due to the wide variety of substrates, surface preparation methods, 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. Pot life after catalyzation is 6 months. Record the catalyzation date on the sticker on the container.

**Reduction:** Product is normally applied without reduction. If reduction is needed to optimize application, use 5-10% HAPS Compliant Lacquer Thinner R7K320. Contact your Sherwin-Williams Representative for additional solvent reduction options.

**Conventional Spray:**
- Air Pressure: 35-60 psi
- Fluid Pressure: 6-10 psi

**Airless Spray:**
- Pressure: 1500-1800 psi
- Tip: 0.011 - 0.013" 

**Air Assisted Airless:**
- Air Pressure: 20-30 psi
- Fluid Pressure: 500-900 psi
- Tip: 0.011 - 0.013" 

**HVLP: Binks Mach I**
- Atomizing Pressure: 9 psi
- Fluid Pressure: 12 psi
- Cap/Tip: 97AP Blue Max/94

**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.

**Performance Tests:**
**Household Chemicals Test**
Using ANSI-KCMA A161.1-2012 test procedures, panels were cured by air drying and allowed to age 10 days at ambient conditions before testing. Tests were conducted on self-sealed (2 coat) finished panels at 2.0 mils total DFT. Materials were washed off with clear water after 24 hours.

- Vinegar: no effect
- Lemon Juice: no effect
- Orange Juice: no effect
- Grape Juice: no effect
- Tomato Catsup: no effect
- Coffee (@ 115°F): no effect
- Olive Oil: no effect
- 100 Proof Alcohol: no effect
- Water & detergent: no effect
- Mustard (1 hour): Slight staining

**SPECIFICATIONS**

**Product Limitations:**
- 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.
- Catalyst must be added by the user or by the Sherwin-Williams outlet.
- 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.
- Maximum cure and chemical resistance is attained after 10 days air drying.
- 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, picked finishes, or white basecoats 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.

**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.

**CAUTIONS**

- This product data sheet is 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.