



**SHERWIN  
WILLIAMS.**

# Chemical Coatings

CC-F60

## SHER-WOOD® White Hi-Bild Precat Lacquer

Gloss White ..... T77W10  
 Low Gloss White ..... T77W20  
 Catalyst ..... V66V3

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p><b>SHER-WOOD® White Hi-Bild Precat Lacquers</b> are a fast drying, high performance, pigmented, conversion lacquers for the general wood finishing market. After catalyzation, it provides 3 months pot life as a white precat lacquer.</p> <p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• Meets KCMA specifications as a self-sealed system or over Sher-Wood® Vinyl Sealers, P63W2, T67F3, T67F5 or T67F6, and E63W30 White Precat primer as a system</li> <li>• HAPS compliant*</li> <li>• White Precat lacquer with 3 months working pot life</li> <li>• Contains UV absorber for improved resistance to yellowing.</li> <li>• Very fast dry to sanding and packing like nitrocellulose lacquer</li> <li>• Ready to spray. No reduction needed</li> <li>• Good resistance to household stains.</li> <li>• Good flexibility - passes 20 cold check cycles</li> <li>• Versatile application - may be applied by conventional, airless, air-assisted airless and HVLP spray methods</li> <li>• Ideal for kitchen cabinets, vanities, chairs, office furniture, household furniture, novelties, and a wide range of interior wood products</li> <li>• Wide range of colors and glosses available</li> <li>• May be blended with Sher-Wood Clear Hi-Bild Precat Lacquer</li> </ul> <p>*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p> <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p>	<p><b>Gloss:</b></p> <p>Gloss Full        Low Gloss 17 - 21 units</p> <p><b>Volume Solids:</b> 26 ± 1%  <b>Weight Solids:</b> 39 ± 1%</p> <p><b>Viscosity:</b>        20-24 seconds #2 Zahn Cup</p> <p><b>Recommended film thickness:</b></p> <p>Mils Wet 3.0 - 5.0        Mils Dry 0.8 - 1.3</p> <p><b>Spreading Rate</b> (no application loss)        309-541 sq ft/gal @ 0.8-1.3 mils DFT</p> <p><b>Drying</b> ( mils dft, 77°F, 50% RH):        To Touch: 15-20 minutes        To Handle: 20-30 minutes        To Sand: 40-50 minutes        To Recoat: no critical recoat        To Pack: overnight        Force Dry: 5 minutes at 110-140°F</p> <p><b>Flash Point:</b> 22°F Pensky-Martens Closed Cup</p> <p><b>Mixing Ratio:</b>        1 gallon Lacquer        3.0 ounces Catalyst, V66V3</p> <p><b>Pot Life:</b> 3 months  <b>Package Life:</b> 2 years, unopened</p> <p><b>Air Quality Data:</b>        Non-photochemically reactive        Volatile Organic Compounds (VOC) as packaged, maximum        5.21 lb/gal, 624 g/L        1.58 lbs VOC/lb solids        Volatile Organic Emissions as packaged, maximum        5.21 lb/gal, 624 g/L        Hazardous Air Pollutants (HAPS) as packaged, maximum        0.8 lbs/lb solids</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p><b>Wood</b> (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><b>Testing:</b> 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>

## APPLICATION

### Typical Setups

#### May be applied by:

Conventional Spray  
Airless Spray  
Air Assisted Airless  
HVLP

**Reduce** as needed for application up to 20% with R6K18 (Butyl Acetate) or R7K322 Lacquer Reducer.

**Retard** as needed for application with R6K30 (MAK) or R6K35 (EEP) up to 5%

#### Typical Setups

##### Conventional Spray:

Air Pressure ..... 40 – 50 psi  
Fluid Pressure ..... 8 – 12 psi

##### Airless Spray:

Pressure ..... 1500 - 1800 psi  
Tip ..... .011" - .013"

##### Air Assisted Airless:

Air Assist Pressure ..... 15 - 25 psi  
Fluid Pressure ..... 500 - 900 psi  
Tip ..... .011" - .013"

##### HVLP:

Gun ..... Binks Mach 1  
Air Pressure at the cap ..... 9 psi  
Fluid Pressure ..... 12 psi  
Cap/Tip ..... 97AP Blue Max/94

#### Cleanup:

Clean tools/equipment immediately after use with R7K320 or R7K322 HAPS Compliant Lacquer Thinner.

Follow manufacturer's safety recommendations when using any solvent.

#### Household Chemicals Test

Panels were aged 10 days at room conditions and tested per KCMA A161.1-2000 –9.3. After removal, the finish was examined and the following results noted:

Vinegar ..... no visual effect  
Lemon Juice ..... no visual effect  
100 proof alcohol ..... no visual effect  
Mustard. initial stain fades in 14 days  
Olive oil ..... no visual effect  
Coffee ..... no visual effect  
Orange juice ..... no visual effect  
Grape juice ..... no visual effect  
Catsup ..... no visual effect  
Detergent solution ..... no visual effect

## SPECIFICATIONS

#### Product Limitations:

- This product **must** be catalyzed with Sher-Wood Precat Catalyst V66V3 before use at a level of 2.3% (3.0 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 3 months after being catalyzed to obtain optimum properties. The catalyst causes a chemical reaction in the package which dissipates after 3 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 pot life.
- Self seal or apply over Sher-Wood White Precat primer E63W30 or Vinyl Sealer T67F3, T67F5 or T67F6 to meet KCMA requirements. See specific sealer data page for application information.
- To achieve maximum performance properties a minimum of 2 mils DFT is required.
- Total film thickness of systems must not exceed 4.0 mils dry film because heavier films may show cracking and checking tendencies.
- For interior use only.
- Sher-Wood Precat Catalyst V66V3 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.

#### Performance Tests

Cold Check Resistance ..... 20 cycles  
Print Resistance ..... No print  
2.0 mils DFT, 16 hours air dry, at 2 psi at 77°F in direct contact with 8 oz. duck cloth.

## CAUTIONS

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.

#### LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing, Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET.21576-051905.

**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.