



**SHERWIN  
WILLIAMS.**

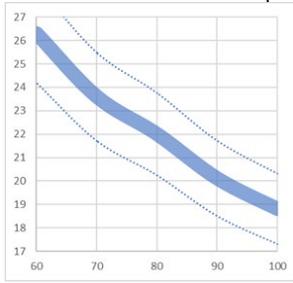
# Industrial Wood Coatings

# CC-F60

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

Gloss White .....T77W10  
Custom Blend.....T77WX Series

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 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 catalyzed Sher-Wood® Vinyl Sealers, P63W2, T67F3, T67F5 or T67F6, and E63W30 White Precat primer as a system.</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>• HAPS compliant* as packaged</li> <li>• Available in a broad range of colors and gloss levels</li> </ul> <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p> <p><b>Air Quality Data:</b></p> <ul style="list-style-type: none"> <li>• Non-photochemically reactive</li> <li>• Volatile Organic Compounds (VOC) theoretical as packaged, maximum less exempt solvents: 5.21 lb/gal, 624 g/L</li> <li>• Hazardous Air Pollutants (HAPS) as packaged maximum: 0.08 lb/lb of solids</li> </ul> <p>VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations</p>	<p><b>Gloss:</b></p> <table border="0"> <tr><td>Gloss</td><td>Full</td></tr> <tr><td>Low Gloss</td><td>17-21 units</td></tr> </table> <p><b>Volume Solids:</b> 26 ± 1%</p> <p><b>Weight Solids:</b> 40 ± 1%</p> <p><b>Viscosity:</b> 20-24 seconds #2 Zahn cup</p>  <p><i>The above chart is for information only and should not be used as product specifications</i></p> <p><b>Recommended film thickness:</b></p> <table border="0"> <tr><td>Mils Wet</td><td>3.0 - 5.0</td></tr> <tr><td>Mils Dry</td><td>0.8 - 1.3</td></tr> </table> <p><b>Spreading Rate</b> (no application loss) 309-541 sq ft/gal @ 0.8-1.3 mils DFT</p> <p><b>Drying</b> (77°F, 50% RH):</p> <table border="0"> <tr><td>To Touch:</td><td>15-20 minutes</td><td>To</td></tr> <tr><td>Handle:</td><td>20-30 minutes</td><td>To</td></tr> <tr><td>Sand:</td><td>40-50 minutes</td><td>To</td></tr> <tr><td>Recoat:</td><td>no critical recoat</td><td></td></tr> <tr><td>To Pack:</td><td>Overnight</td><td></td></tr> <tr><td>Force Dry:</td><td>5 minutes at 110- 140°F</td><td></td></tr> </table> <p><b>Flash Point:</b> 22°F Pensky-Martens Closed Cup</p> <p><b>Mixing Ratio:</b></p> <table border="0"> <tr><td>1 gallon</td><td>Lacquer</td></tr> <tr><td>3.0 ounces</td><td>Catalyst, V66V3</td></tr> </table> <p><b>Pot Life:</b> 3 months</p> <p><b>Package Life:</b> 2 years, unopened</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility, or at <a href="http://www.paintdocs.com">www.paintdocs.com</a>.</p>	Gloss	Full	Low Gloss	17-21 units	Mils Wet	3.0 - 5.0	Mils Dry	0.8 - 1.3	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		1 gallon	Lacquer	3.0 ounces	Catalyst, V66V3	<p><b>Surface preparation:</b></p> <p><b>Wood - New Work</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>Previously finished wood</b> (interior only): Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.</p> <p><b>Wood Finishing System:</b></p> <ol style="list-style-type: none"> <li>1. Apply one full coat of Sher-Wood Precat Primer Surfacer E63W30 at 3.0 - 5.0 mils wet. Air dry for at least 30 minutes.</li> <li>2. Sand primer coat with 240-320 grit sandpaper and remove sanding dust.</li> <li>3. Apply a full wet coat of White Hi-Bild Precat Lacquer at 3.0-5.0 mils wet. Air dry 40-50 minutes.</li> <li>4. For more depth and better appearance, apply a second coat of White Hi-Bild Precat Lacquer.</li> </ol> <p><b>Do not exceed 4.0 mils DFT for the total system.</b></p> <p><b>Testing:</b> 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.</p>
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## **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 R7K320 (HAPS Compliant Lacquer Thinner)

**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 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 A161.1-2012-9.3. 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

#### **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.

## **ADDITIONAL INFORMATION**

- 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, performance properties are downgraded. Adding additional catalyst does not restore film properties.
- Can be tinted with OptiColor® XP or GIS colorants up to 4 ounces per gallon under agitation. Store at temperatures ranging from 40°-80°F. Higher temperatures will reduce the pot life and may cause settling.
- Self seal or apply over catalyzed Sher-Wood White Precat primer E63W30 or catalyzed 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.
- Low gloss and high gloss White Hi-Bild Precat Lacquer can be intermixed in any ratio.

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## **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](http://www.paintdocs.com).

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

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