



**SHERWIN
WILLIAMS.**

Industrial Wood Coatings

CC-F60

SHER-WOOD® White Hi-Bild™ Precat Lacquer

Gloss WhiteT77W10
Custom Blend.....T77WX Series

Low Gloss WhiteT77W20
Catalyst.....V66V3

DESCRIPTION

SHER-WOOD® White Hi-Bild™ Precat Lacquers 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.

Advantages:

- 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.
- White Precat lacquer with 3 months working pot life.
- Contains UV absorber for improved resistance to yellowing.
- 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
- HAPS compliant* as packaged
- Available in a broad range of colors and gloss levels

*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ

Air Quality Data:

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) theoretical as packaged, maximum less exempt solvents:
5.21 lb/gal, 624 g/L
- Hazardous Air Pollutants (HAPS) as packaged maximum:
0.08 lb/lb of solids

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

CHARACTERISTICS

Gloss:

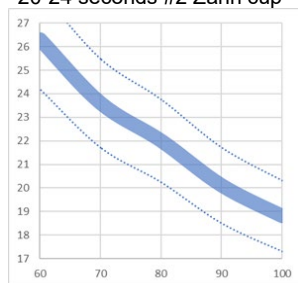
Gloss Full
Low Gloss 17-21 units

Volume Solids: 26 ± 1%

Weight Solids: 40 ± 1%

Viscosity:

20-24 seconds #2 Zahn cup



The above chart is for information only and should not be used as product specifications

Recommended film thickness:

Mils Wet 3.0 - 5.0
Mils Dry 0.8 - 1.3

Spreading Rate (no application loss)
309-541 sq ft/gal @ 0.8-1.3 mils DFT

Drying (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

Flash Point: 22°F Pensky-Martens
Closed Cup

Mixing Ratio:

1 gallon Lacquer
3.0 ounces Catalyst, V66V3

Pot Life: 3 months

Package Life: 2 years, unopened

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

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.

Wood Finishing System:

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.
2. Sand primer coat with 240-320 grit sandpaper and remove sanding dust.
3. Apply a full wet coat of White Hi-Bild Precat Lacquer at 3.0-5.0 mils wet. Air dry 40-50 minutes.
4. For more depth and better appearance, apply a second coat of White Hi-Bild Precat Lacquer.

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

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 Pressure40 – 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/Tip97AP 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.

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

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