



Product Finishes

SHER-WOOD® Hi-Bild Pre-Cat Lacquer T77FV0014

DESCRIPTION

SHER-WOOD® Hi-Bild Pre-Cat Lacquer, T77FV14, is a high solids acid catalyzed lacquer formulated for top-coating kitchen and bath cabinetry and the general wood finishing market.

Advantages:

- 20% higher volume solids than traditional precat lacquers.
- Meets KCMA specifications as a self sealed system or over Sher-Wood Vinyl sealers T67F3, T67F5, or T67F6.
- 4 months working pot life after catalyzation.
- Fast dry to sanding and packing.
- Good flexibility – passes 20 KCMA cold check cycles.
- Low HAPS- non-reportable

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

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

CHARACTERISTICS

Gloss:	6-10 units @ 60°
Volume Solids:	25.2 ± 2%
Weight Solids:	33.3 ± 2%
Viscosity:	30 - 35 seconds #2 Zahn Cup @ 77F
Recommended film thickness:	Mils Wet 4.0 – 5.0 Mils Dry 1.0 – 1.2
<u>Maximum total film build is not to exceed 4.0 dry mils or cracking may result.</u>	
Spreading Rate (no application loss)	404 sq ft/gal @ 1 mils DFT
Drying (77°F, 50% RH):	To Touch: 10 minutes Tack Free: 15 minutes To Topcoat: 30 minutes To Pack: Overnight Force: 10 minutes flash 15 minutes at 140°F
Flash Point:	4°F Pensky-Martens Closed Cup
Mixing Ratio:	1 Gal T77FV0014 Varnish 3 oz. V66V3
Pot Life:	4 months
Package Life:	12 months, unopened
Air Quality Data: (Theoretical)	Non-photochemically reactive
Volatile Organic Compounds	
VOC: as packaged:	
Emissions:	4.69 lb/gal 562 g/l
Less Exempt:	5.11 lb/gal 612 g/l
VOC per Pound of Solids:	1.78 lb/lb solids
Hazardous Air Pollutants	
HAPS:	0.00 lbs./lb. Of Solids

An Environmental Data Sheet is available from your local Sherwin-Williams facility.

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%.

Testing: 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.

APPLICATION

Typical Setups

May be applied by:

Conventional Spray
Air Assisted Airless
HVLP

Conventional Spray:

Air Pressure 40-50 psi
Fluid Pressure..... 6-8 psi
Cap/Tip 011-.013"

Air Assisted Airless:

Air Assist Pressure 800-900 psi
Cap/Tip 011-.013"

HVLP:

Gun..... Binks Mach 1
Air Pressure at the cap 4-9 psi
Fluid Pressure..... 10-12 psi

Reduction/Retard:

Reduce with Normal Butyl Acetate as required, 5% maximum.

Retard as necessary with R6K30 MAK, or slower EEP solvent, 5% maximum.

Acetone, R6K9 can be used as a non HAPS/non VOC reducer to lower solids and viscosity, use at up to 10% by volume.

Potlife Management:

1. T77FV0014 catalyzed with 3 oz. V66V3 per gallon of coating has a potlife of 4 months.
2. Allow a minimum of 4 hour induction time to prevent craters.

Cleanup:

Clean tools/equipment immediately after use with acetone or MEK.
Flush equipment with solvent to prevent rusting.

Follow manufacturer's safety recommendations when using any solvent

SPECIFICATIONS

Product Limitations:

- Sher-Wood Hi-Bild Pre-Cat Lacquer, T77FV14, must be catalyzed 2.3% with Sher-Wood Catalyst V66V3. Do not over catalyze. Do not use any other catalyst.
- Sher-Wood Catalyst V66V3 is an acid. To prevent acid corrosion and pitting, all equipment should be made of stainless steel. Containers and piping should be stainless steel or plastic.
- Maximum film thickness must not exceed 4.0 mils dry film because heavier films may cause cracking.
- For interior use only.
- Customers are urged to pretest the system under shop conditions.
- While catalyzed varnish remains a low viscosity liquid beyond 4 months, it should not be used after 4 months because a chemical reaction is taking place. The resultant film may have inferior cure and cross linking and a tendency for long-term cold checking.
- Temperature must be above 70°F during application and cure to insure acceptable coating properties. Coatings cured at lower temperatures are prone to cracking, checking and brittleness.
- Natural finished wood will change color on aging and exposure to light. This is a natural phenomenon. Clear finishes will not prevent the wood from changing color.

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.

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.

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