Industrial Wood Coatings

CC-F101

SHER-WOOD® Hi-Bild Lacquer

Gloss..... T70CT1
Medium Rubbed Effect T70FT1

DESCRIPTION

SHER-WOOD® Hi-Bild Lacquers are HAPS Compliant, high quality, pale, nitrocellulose, clear lacquers for finishing interior wood products.

Advantages:

- Meets the federal HAPS rule for wood finishes*
- Fast drying
- Excellent flow
- Produces good build (without having exceptionally high weight or volume solids)
- Excellent film clarity with pale color
- Excellent adhesion, especially over Sher-Wood Vinyl Sealers such as T67F3, T67F5 and T67F6
- Excellent cold check resistance
- Excellent print resistance
- Good color retention
- Easy to rub
- No reduction needed
- Meets KCMA requirements over Sher-Wood Vinyl Sealers T67F3 and T67F6
- Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: Subchapter B, part 1303.

Air Quality Data: (Theoretical)

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum less exempt solvents 5.67 lb/gal, 680 g/L
- Hazardous Air Pollutants (HAPS) as packaged, maximum less than 0.8 lbs/ lb of solids

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

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

CHARACTERISTICS

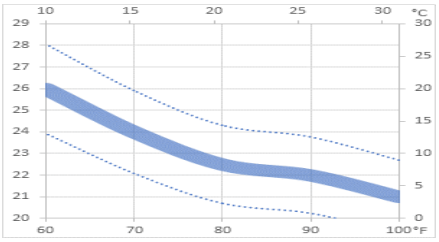
Color: Gardner 2 maximum

Gloss: Gloss 85+ units
MRE 30-34 units

Weight Solids: 22 ± 2%

Volume Solids: 15.3 ± 1%

Viscosity:
27-32 seconds #2 Zahn Cup
21-25 seconds #4 Ford



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

Recommended film thickness:
Mils Wet 5.0-6.0
Mils Dry 0.7 - 0.9

Spreading Rate (no application loss)
@ 0.7-0.9 mil dft: 272-389 sq ft/gal

Drying (77°F, 50% RH):
To Touch: 10 minutes To
Handle: 30 minutes To
Recoat: 1 hour
Force Dry: at 140°F
15 minutes to recoat
60 minutes to pack

Flash Point: 23°F, Pensky-Martens Closed Cup

Package Life: 2 years, unopened

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. Sanding Sealer: Sher-Wood Hi-Bild Lacquer Sanding Sealer, T60FT2, or Sher-Wood Vinyl Sealers, T67F3, T67F5 or T67F6.
2. Air dry 30 minutes, sand, and remove all sanding dust.
3. Topcoat with Sher-Wood Hi-Bild Lacquer .
4. For more depth and better appearance, apply a second coat

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.

continued on back

APPLICATION

Typical Setups

Can be sprayed warm, up to 115°F

Conventional Spray:
Air Pressure..... 50-65 psi
Fluid Pressure ..... 6-7 psi
Reducer HAPS Compliant Lacquer Thinner, R7K320
Reduction Rate..... as needed up to 5%

Airless Spray:
Pressure .....1200 psi
Tip .....010-.012"
Reduction Rate..... none

Air Assisted Airless:
Pressure ..... 600-800 psi
Tip .....015"
Reduction Rate..... 10%
Reducer..... R6K18
R6K18 improves application

Retard: Under humid conditions add 1-5% MAK R6K30 to prevent film blushing. Such drying conditions will lengthen time to harden.

Cleanup:
Clean tools/equipment immediately after use with HAPS Compliant Lacquer Thinner, R7K320. Lacquer Thinner, R7K120 or R7K22 may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Customer urged to pretest system under shop conditions.
- Surface to be finished must be free from dirt or other foreign matter.
- Agitate package contents, especially T70FT1, before using.
- Not recommended for exterior use
- 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.
- Total film thickness of systems must not exceed 4.0 mils DFT.

SPECIFICATIONS (continued)

This finishing lacquer and all other nitrocellulose based lacquers will yellow over time. With wood tone stains, this yellowing actually makes a warmer, softer appearance. Where white stains, pickled 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. In these situations, Sher-Wood Vinyl Sealer, T67F3, T67F5 or T67F6 top-coated with Sher-Wood CAB-Acrylic Lacquer is recommended because of its non-yellowing characteristics. Sher-Wood Water White Conversion Varnish or Sher-Wood Acrylic Conversion Coating may also be used if a catalyzed system is desired.

Performance Tests:
Cold Check Resistance.....20 cycles
Print Resistance ..... No print
2.7 mils dft, 12 hours air dry, at 2 psi at 77°F in direct contact with 8 oz. duck cloth.

Household Chemicals Test
Panels were aged 21 days at room conditions, 5 drops of each item were placed under a watch glass for one hour. After removal, the finish was examined and the following results noted:
Vinegar.....no visual effect
Lemon Juice.....no visual effect
Oil Base Paint .....no visual effect
Latex Emulsion Paint .....no visual effect
VM&P Naphtha .....no visual effect
Turpentine .....no visual effect
Orange Crayon.....no visual effect
Mayonnaise.....no visual effect
Sour Milk .....no visual effect
Margarine .....no visual effect
Butter.....no visual effect
Water.....no visual effect
Cooking fat .....no visual effect

Moisture Resistance:
Poor when used over T60FT2 or other lacquer sanding sealers. However, when used over a vinyl sealer such as T67F3 or T67F6, resistance is excellent. This allows for use on kitchen cabinets, since KCMA specifications will be met.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review product label and Material Safety Data Sheet (MSDS) for safety 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.

Note: All purchases of products from Sherwin-Williams are exclusively subject To Sherwin- Williams' terms and conditions of sale which can be found by following this link (click here)
Please review these terms and conditions Prior to the purchase of the products.

Sherwin-Williams warrants the product to be free of manufacturing defect in accordance with Sherwin-Williams' quality control procedures. Except for the preceding sentence, due to factors that are outside of Sherwin-Williams' control, including substrate selection, and customer handling, preparation, and application, Sherwin- Williams cannot make any other warranties related to the product or the performance of the product.
SHERWIN-WILLIAMS DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Liability for products proven to be defectively manufactured will be limited solely to replace- ment of the defective product or the refund of the purchase price paid for the defective product, as determined by Sherwin-Williams. Under no circumstances shall Sherwin-Williams be liable for indirect, special, incidental or consequential damages, lost profits or punitive damages arising from any cause whatsoever.