



**SHERWIN
WILLIAMS.**

SHER-WOOD® HB Pigmented Conversion Varnish - Tint Bases

Matte White Tint BaseH66W45
Low Gloss White Tint Base ...H66W42
Mid Gloss White Tint BaseH66W41

Matte Clear Tint Base.....H66F46
Low Gloss Clear Tint Base H66F44
Mid Gloss Clear Tint BaseH66F43

Standard CatalystV66V20005
Slow CatalystV66V20006
HF Fast Catalyst.....V66V20007

DESCRIPTION

SHER-WOOD® HB Pigmented Conversion Varnish Tint Bases are ready to tint high solids catalyzed wood finishing system with quick build full hiding opaque colors for interior woodwork. It offers a smooth look and feel in a high performance conversion varnish for furniture, cabinets and other interior wood products.

Advantages:

- Can be tinted for quick color delivery
- Tint with OptiColor XP® or GIS colorants up to 10 oz. per gallon
- Self-seal capable
- High solids and quick build
- Excellent vertical hang characteristics
- Meets KCMA test requirements for finishes
- Good non-yellowing properties
- Excellent toughness and wear resistance
- Excellent moisture resistance
- Excellent resistance to household chemicals
- Suitable for solid hardwood and soft wood, particle board, medium density fiberboard and veneers.

Air Quality Data (Theoretical):

May vary by color

- Photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum:
3.08 lb/gal, 370 g/L
- Catalyzed 16% with V66V20005 (no reduction) maximum as applied:
3.52 lb/gal, 422 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged, maximum
less than 0.8 lb/lb of solids

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

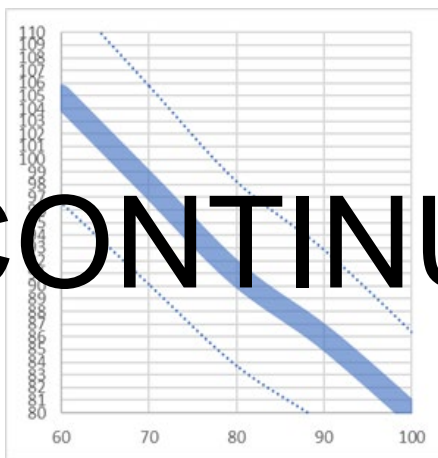
CHARACTERISTICS

Gloss (measured on black glass):

Matte	13-18 units
Low Gloss	30-40 units
Mid Gloss	50-60 units

Volume Solids: 64%, may vary by color

Package Viscosity: 80-88 Krebs units



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

Recommended film thickness per coat:

Mils Wet	4.0 - 5.0
Mils Dry	2.2 - 2.8

Spreading Rate (no application loss)

850-900 sq ft/gal @ 1.0 mils DFT May vary by color

Drying (1.5 mils dft, 77°F, 50% RH): To

Touch:	15-20 minutes
To Handle:	25-30 minutes To
Sand:	60-90 minutes
To Recoat:	60-90 minutes
Force Dry:	30 minutes at 120°F
or	10 minutes at 150°F

Flash Point: 55-58°F PMCC

May vary by color

Mixing Ratio:

1 part	Conversion Varnish
16% (volume)	Catalyst

Pot Life: 8 hours

Package Life: 1 year, 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. Spray apply a full wet coat of SHER-WOOD® HB Pigmented Conversion Varnish Tint Base at 4-5 mils wet. **Note:** KEMVAR® 5311S (E63W50027 series) or KEMVAR® 5411S (E63W50001 series) Primer can also be used as the first coat if needed. Air dry thoroughly.
2. Sand with 240 grit sand paper and remove sanding dust.
3. Spray apply a full wet coat of SHER-WOOD® HB Pigmented Conversion Varnish Tint Base at 4-5 mils wet.
4. Repeat steps 2 and 3 if an additional coat is required for more build or depth. Maximum dry film thickness of the system should not exceed 7 mils.

Allow overnight drying before stacking or packing.

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

Reduce as needed up to 20% for optimal application with:

Standard Reducer.... R07K10003
Fast Reducer..... R07K10001
Fast HF Reducer..... R07K10002
Slow HF Reducer..... R07K10006

Conventional Spray:

Air Pressure.....40-50 psi
Fluid Pressure.....6-8 psi

Airless Spray:

Pressure.....1200-1800 psi
Tip......011-.015"

Air Assisted Airless:

Fluid Pressure.....600-700 psi
Cap/Tip......011-.015"

HVLP:

Air Pressure......9 psi
Fluid Pressure.....5-10 psi
Tip......047

Cleanup:

Clean tools/equipment immediately after use with R07K10006.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

- Sher-Wood HB Pigmented Conversion Varnish Tint Base must be catalyzed 16% by volume with V66V20005, V66V20006 or V66V20007 for cure. Do not over-catalyze. Higher catalyst levels may cause cracking over time. Higher catalyst levels affect crosslinking rates and film properties.
- Temperatures must be above 70°F during application and cure to ensure acceptable coating properties. Coatings cured at lower temperatures are prone to cracking, checking, and brittleness.
- Do not apply over nitrocellulose lacquer sealers, as they may cause wrinkling or long-term checking or cracking.
- Catalysts V66V20005, V66V20006 and V66V20007 are acidic. To prevent acid corrosion and pitting, all equipment should be made of stainless steel. Containers and piping should be stainless steel or plastic. Acid reacting with iron or steel will cause a discoloration of conversion varnish.
- Maximum film thickness of the total system must not exceed 7 mils dry film because heavier films may cause cracking.
- Do not use in recirculating systems such as flow coaters or curtain coaters because of accelerated cure due to aeration. Recirculating paint lines are okay.
- Working pot life is 8 hours maximum at 77°F. While catalyzed varnish remains a low viscosity liquid beyond 8 hours, it should not be used beyond pot life because a chemical reaction is taking place. The resultant film may have inferior cure and crosslinking and tend to crack or long term cold checking. At higher temperatures working pot life is much shorter.
- Do not blend Sher-Wood HB Pigmented Conversion Varnish Tint Base with other conversion varnish qualities because it will dramatically reduce performance with cracking and checking problems.
- Maximum colorant level is 10 ounces per gallon with OptiColor XP® or GIS colorants.
- Do not exceed 2.8 mils dry film per coat because heavy films may cause film surface imperfections and slow dry time.
- For interior use only.
- Clear tint bases (H66F43, H66F44 and H66F46) are not intended to be used as a stand alone clear coating.
- White tint bases (H66W41, H66W42 & H66W45) can be used as a stand alone white and do not require tinting.

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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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DISCONTINUED