



**SHERWIN
WILLIAMS.**

Industrial Wood Coatings

CC-F31

SHER-WOOD® Penetrating Oil

Clear.....V82V50
Custom BlendV82XX Series

DESCRIPTION	CHARACTERISTICS	SPECIFICATIONS
<p>SHER-WOOD® Penetrating Oil is designed as a penetrating oil finish and as a mixing vehicle to make stains and glazes.</p> <p>Advantages:</p> <ul style="list-style-type: none">• Excellent penetration and grain definition• Excellent wiping and handling characteristics• Same quality as solvent Sher-Wood SB Wiping Stains and Colorants, S64 series• Compatibility as a stain quality with all Sher-Wood finishing systems	<p>Gloss: Full</p> <p>Volume Solids: 49 ± 1%</p> <p>Viscosity: 23-34 seconds #2 Zahn Cup 20-30 seconds #4 Ford Cup</p> <p>Spreading Rate (no application loss) 790 sq ft/gal @ 1 mil DFT</p> <p>Drying (77°F, 50% RH): as a Penetrating Oil: To Touch: 60 minutes To Handle: 4 hours To Recoat: 4 hours Force Dry: 60 minutes at 140°F as a Wiping Stain or Glaze: Working time: Wipe within 15 minutes or before stain flashes off To Recoat: 30 minutes after wiping Force Dry: 5-15 minutes at 120°F after wiping</p> <p>Flash Point: 105°F PMCC</p> <p>Package Life: 3 years, unopened</p> <p>Air Quality Data:</p> <ul style="list-style-type: none">• Non-photochemically reactive• Volatile Organic Compounds (VOC) theoretical as packaged, maximum, less exempt solvents: 3.30 lb/gal, 395 g/L <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility, or at www.paintdocs.com.</p>	<p>Surface preparation:</p> <p>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%.</p> <p>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.</p> <p>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.</p>

APPLICATION

Typical Setups

Stains:

V82V50 is the same quality and uses the same resin as the solvent-based Sher-Wood SB Stain and SB Colorants and is totally compatible with them. Adding V82V50 will increase resin content and change handling, penetration, grain definition, etc. Mineral Spirits is the normal reducer, but other solvents or solvent blends may be used to fit line conditions.

Sher-Wood SB Stain or SB Colorants may be added to make stains.

For natural color woods, grain definition can be enhanced without adding color, by applying a penetrating stain solution of:

- 1 part V82V50
- 1 part Mineral Spirits
- 1 part VM&P Naphtha

Apply and wipe in the same manner as a wiping stain.

Glazes:

Solvent based glazes can be made by blending V82V50 with SB Colorants.

A typical formula is 6 parts V82V50 to 4 parts SB Colorant. Reduce with mineral spirits as needed for your glazing technique.

Penetrating Oil:

Penetrating Oil solutions can be made as follows:

- 100 parts V82V50
- 5 parts SB Stain
- 100-200 parts VM&P Naphtha

Apply by spray, dip, or brush and wipe off excess. Allow 4 hours air drying or force dry 1 hour at 140°F. For a close to the wood "oil finish", top-coating with Sher-Wood Super KemVar "C" Catalyzed Vinyl Coating is recommended.

Cleanup:

Clean tools/equipment immediately after use with Mineral Spirits.

Follow manufacturer's safety recommendations when using any solvent.

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ADDITIONAL INFORMATION

- To maintain HAPS compliance, only reduce with HAPS complying reducers.

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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