



**SHERWIN
WILLIAMS.**

Industrial Wood Coatings

CC-F413

SHER-WOOD® KEMVAR® 9320S

Conversion Varnish

10 Gloss.....V84F90036
30 Gloss.....V84F90029
60 Gloss.....V84F90049

20 Gloss.....V84F90028
30 Gloss (agitator drum)...V84F90055
90 Gloss.....V84C90030

20 Gloss (agitator drum).....V84F90048
40 Gloss.....V84F90037
90 Gloss (agitator drum).....V84C90054

DESCRIPTION	CHARACTERISTICS	SPECIFICATIONS
<p>SHER-WOOD® KEMVAR® 9320S Conversion Varnish is a fast drying, acid cured, water white conversion varnish for interior woodwork. It has very high solids and quick build and is easy to sand</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Soft, silky feel • Excellent clarity • Outstanding moisture and chemical resistance • Meets KCMA/CKCA standards as a self seal system or over a recommended Sherwin Williams sealer • Meets the AWI quality standard System 5 Conversion Varnish Transparent • Good non-yellowing properties • Can be use as a self sealing system or over 6331S Vinyl Sealer, T67F60003 or 6321 HS Vinyl Sealer, T67F60004 <p>Air Quality Data (Theoretical):</p> <ul style="list-style-type: none"> • Photochemically reactive • Volatile Organic Compounds (VOC) 4.11 lb/gal, 493 g/L • Volatile Hazardous Air Pollutants (VHAPS) as packaged, maximum less than 0.8 lbs per pound of solids <p>VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility, or at www.paintdocs.com.</p>	<p>Volume Solids: 44 ± 2%</p> <p>Weight Solids: 52 ± 2%</p> <p>Viscosity: 18-21 seconds Zahn #2 Signature</p> <p>Recommended film thickness: Mils Wet 3.0 - 4.0 Mils Dry 1.3 - 1.7</p> <p>Spreading Rate (no application loss) 706 sq ft/gal @ 1.0 mils DFT</p> <p>Drying (1.0 mils, 77°F, 50% RH): To Sand: 2-3 hours Force Dry: 20- 30 minutes at 158° F</p> <p>Flash Point: 55°F Pensky Martens Closed Cup</p> <p>Package Life: 1 year , unopened</p> <p>Mixing Ratio: Catalyze 1 part Conversion Varnish 12% (15.4 oz/gal) V66V20005 V66V20006 V66V20007 (by volume) Add catalyst under agitation then add solvent to adjust application viscosity if needed</p> <p>Pot Life: 8 hours</p>	<p>Surface preparation</p> <p>Wood - New Work (interior only):</p> <p>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):</p> <p>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	SPECIFICATIONS	CAUTIONS
<p>Reduction:</p> <p>Compatible reducers are R7K10003 Standard Reducer R7K10001 Fast Reducer R7K10006 Slow HF Reducer R7K10007 Retarder P HF</p> <p>Conventional Spray: Air Pressure.....40-50 psi Fluid Pressure.....7-10 psi Tip.....1.2-1.4</p> <p>Air Assisted Airless: Fluid Pressure.....290-580 psi Cap/Tip011-.013"</p> <p>HVLP: Air Pressure.....20-25 psi Fluid Pressure.....7-10 psi Tip 1.2-1.4</p> <p>Cleanup: Clean tools/equipment immediately after use with reduction solvent</p> <p>Follow manufacturer's safety recommendations when using any solvent.</p>	<p>Product Limitations:</p> <ul style="list-style-type: none"> • Sher-Wood KemVar 9320S Conversion Varnish must be catalyzed 12% by volume with recommended catalysts 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 • V66V20005, V66V20006 and V66V20007 are acids. 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 6 mils dry film because heavier films may cause cracking. • Maximum colorant level is 4 ounces per gallon with OptiColor® XP or GIS colorants. • For interior use only. <p>All trademarks are the property of their respective owners.</p>	<p>FOR INDUSTRIAL SHOP APPLICATION ONLY</p> <p>Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.</p> <p>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.</p> <p>Please direct any questions or comments to your local Sherwin-Williams facility.</p> <p>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.</p> <p>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.</p> <p>Liability for products proven to be defectively manufactured will be limited solely to replacement 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.</p>