SHER-WOOD® Kemvar® 8420S Conversion Varnish White

20 Gloss……..……H66W80084 40 Gloss……..H66W80001 60 Gloss……H66W80085

DESCRIPTION

SHER-WOOD® Kemvar® 8420S Conversion Varnish White is a fast drying, post catalyzed, acid cured conversion varnish developed for a variety of interior woodworking. It has very high solids content and very quick build when used over SHER-WOOD® KEMVAR® 5311S Wood Surfacer White or SHER-WOOD® KEMVAR® 5411S Wood Surfacer. Designed specifically for MDF, it can be used on solid wood and provides excellent filling and sanding properties. It's chemical and moisture resistance characteristics make it an ideal finishing system for kitchen cabinets, bath vanities and furniture.

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Advantages:

- Very good vertical hang, excellent flow, short flash off time
- Meets quality standards for AWI System 5 Conversion Varnish Opaque
- Meets KCMA and CKCA standards

Air Quality Data:

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) theoretical as packaged, maximum less exempt solvents:
  2.68 lb/gal, 321 g/L.
  Volatile Hazardous Air Pollutants (VHAPS) as packaged maximum: less than 0.8 lbs per pound of solids

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

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

CHARACTERISTICS

Volume Solids: 61 ± 2%

Weight Solids: 75 ± 2%

Viscosity:
80-88 KU

Recommended film thickness:
Mils Wet 4.0 - 5.0
Mils Dry 2.4 – 3.0

Spreading Rate (no application loss)
980 sq ft/gal @ 1.0 mils DFT

Drying (77°F, 50% RH):
To Sand: 2-4 hours
Dry to stack: 5-6 hours
Recoat: Within 8 hours

Flash Point: 55°F Pensky-Martens Closed Cup

Mixing Ratio:

1 part Kemvar 8420S

12% (15.4 oz/gal) By Volume Catalyst,
Standard Catalyst V66V20005
Slow Catalyst V66V20006
HF Fast Catalyst V66V20007

Add catalyst under agitation using graduated cup. Add thinner after catalyzation to desired application viscosity. Typically about 20% reduction

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.

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.

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APPLICATION

Typical Setups

Reduction:

Compatible reducers are
R7K10003 Standard Reducer
R7K10001 Fast Reducer
R7K10006 Slow HF Reducer
R7K10007 Retarder P HF

Conventional Spray:
Air Pressure…….….. 40 - 50 psi
Fluid Pressure……..... 7-10 psi
Cap/Tip ……..……. 1.8-2.0

Air Assisted Airless:
Air Pressure…….. … 11 - 17 psi
Fluid Pressure……..……..290 - 580 psi
Cap/Tip…… .013 - .016

HVLP:
Atomizing Air Pressure at the cap..20-25 psi
Pot Pressure…….7-10 psi
Cap/Tip…… 1.8-2.0

Cleanup:
Clean tools/equipment immediately after use with reduction solvent

Follow manufacturer's safety Recommendations when using any solvent.

ADDITIONAL INFORMATION

- KEMVAR® 5411S Wood Surfacer must be catalyzed 12% by volume with the recommended catalyst.
- Catalysts 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 recommended dry film thickness for total coating system is 7 dry mils. Heavier film build may cause cracking.
- Temperatures must be above 68°F during application and cure to ensure acceptable coating properties
- Can be tinted with up to 6 oz/gal with Opticolor® XP or GIS colorants. Do not use Umber pigments

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.