



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-F32

SHER-WOOD® KEMVAR® Primer Surfacer

White E63W5
Catalyst V66V21

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>SHER-WOOD® KEMVAR® Primer Surfacer is a high solids, acid catalyzed, primer surfacer designed for application on particle board, medium density fiberboard, veneers and solid hardwood and softwood surfaces.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Meets the Federal HAPS rule for wood finishes as packaged* • Good filling properties • High solids wood surfacer • Fast drying • Excellent holdout • Excellent sanding - powders easily • Air dry or force dry cure • Excellent adhesion to a wide range of bare wood surfaces • Excellent anti-settling properties • Versatile - may be applied using conventional, airless, air assisted airless or HVLP spray methods • Very good edge filling on MDF when presealed with vinyl washcoat • Meets KCMA performance properties when topcoated with Sher-Wood Pigmented Conversion Varnish • Ideal for kitchen cabinets, vanities, office furniture, household furniture and a wide array of interior wood products • Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: Subchapter B, part 1303. <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p>	<p>Gloss: Flat</p> <p>Volume Solids: 38 ± 1%</p> <p>Viscosity: 20-25 seconds #4 Ford Cup</p> <p>Recommended film thickness: Mils Wet 3.0 - 5.0 Mils Dry 1.1 - 1.9</p> <p>Spreading Rate (no application loss) 312-569 sq ft/gal @ 1.1-1.9 mils DFT</p> <p>Drying (1.5 mils dft, 77°F, 50% RH): To Touch: 5-10 minutes To Handle: 15-20 minutes To Sand: 25-30 minutes To Recoat: 30 minutes Force Dry: 15 minutes at 120°F or 10 minutes at 150°F, to sand</p> <p>Flash Point: 51°F Pensky Martens Closed Cup</p> <p>Mixing Ratio: 1 part Primer Surfacer 5% Catalyst, V66V21</p> <p>Pot Life: 24 hours</p> <p>Package Life: 1 year, unopened</p> <p>Air Quality Data: Photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum (theoretical) 4.6 lb/gal, 550 g/L catalyzed 5% with V66V21, maximum 4.6 lb/gal, 550 g/L Hazardous Air Pollutants (HAPS) as packaged, maximum less than 0.8 lbs per pound of solids</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p>Wood (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>Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p> <p>Finishing System:</p> <ol style="list-style-type: none"> 1. Apply 1 coat of catalyzed Primer Surfacer at 3.0 - 5.0 mils wet. Allow to dry for sanding. A second coat of Primer Surfacer may be applied after sanding if needed for additional filling. Sand again before topcoating. 2. Sand with 220-280 grit paper and remove all sanding dust. If a wet look is desired, sand final primer coat with 500-600 grit paper. 3. Topcoat with Sher-Wood Pigmented Conversion Varnish.

APPLICATION

Typical Setups

May be applied using:

Conventional Spray
Airless Spray
Air Assisted Airless
HVLV

Reduction: Reduction is normally not needed. If required, reduce up to 10% with Butyl Acetate R6K18, EEP Reducer R6K35 or MAK R6K30. Xylene or High Flash Naphtha may also be used, but are not HAPS compliant.

Cleanup:

Clean tools/equipment immediately after use with HAPS Compliant Lacquer Thinner R7K320 or R7K322. 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:

- Sher-Wood KemVar Primer Surfacer must be catalyzed 5% with KemVar Catalyst V66V21 for cure.
- Paint temperature and air temperature must be above 70°F during application and cure to ensure acceptable coating properties.
- Do not over-catalyze, it may cause cracking, retard drying and shorten working pot life.
- Apply directly to bare, finish sanded wood surfaces only.
- KemVar Catalyst V66V21 is an acid. To prevent acid corrosion and pitting, all equipment should be made of stainless steel or plastic.
- Do not use Sher-Wood Catalyst V66V26. It will give much slower drying and cure.
- Do not exceed 2.0 mils dry film per coat because heavy films will result in slower drying and sanding times.
- Do not use in recirculating systems such as flocoaters or curtain coaters because of accelerated cure due to aeration. Recirculating paint lines are acceptable.
- Working pot life is 24 hours maximum at 77°F. While catalyzed surfacer remains a low viscosity liquid beyond 24 hours, it should not be used beyond pot life because a chemical reaction is taking place. The resultant film may have inferior cure and cross-linking and a tendency for long-term cracking. At higher temperatures, working pot life is much shorter.
- To extend the pot life at the end of the day, add 300-400% of uncatalyzed material. Add catalyst based only on the uncatalyzed portion when ready to use the next day. Refrigeration also extends the working pot life.
- Sand within 4 hours of topcoating to ensure optimum intercoat adhesion properties.
- Total film thickness of the system (Primer Surfacer and topcoat) must not exceed 4.0 mils dry film. If two coats of Primer Surfacer are used, a substantial portion must be sanded before topcoating. Higher film thicknesses may cause long term cracking and checking.
- Routed MDF must be pre-sealed with Vinyl Sealer reduced 50-100% prior to using KemVar Primer Surfacer E63W5.
- To maintain HAPS compliance only reduce with HAPS compliant reducers.
- For interior use only.

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Sherwin-Williams facility. Please direct any questions or comments to your local Sherwin-Williams facility.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 22080-051905.

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.