



**SHERWIN
WILLIAMS.**

Industrial Wood Coatings

CC-F32

SHER-WOOD® KEMVAR® Primer Surfacer

White E63W5
Catalyst..... V66V21

DESCRIPTION

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.

Advantages:

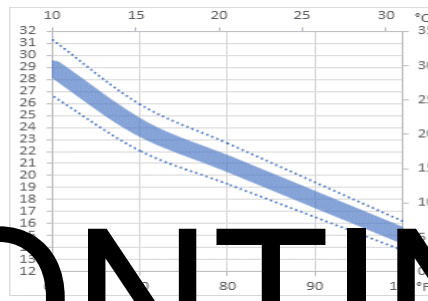
- Meets the Federal HAPS rule for wood finishes as packaged*
- Good filling properties
- High solids wood surfacer
- Fast drying
- Excellent holdout
- Excellent sanding - powder easily
- A dry or for a dry cure
- Excellent adhesion on a wide range of bare wood surfaces
- Excellent anti-sagging properties
- 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. H66W32 series
- 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.

*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ

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

CHARACTERISTICS

Gloss: Flat
Volume Solids: 38 ± 1%
Viscosity: 20-25 seconds #4 Ford Cup



The above chart is for information only and should not be used as a product specification.

Recommended film thickness:

Mils Wet 3.0
6.0 Mils Dry 1.1 - 1.9

Spreading Rate (no application loss) 312-569 sq ft/gal @ 1.1-1.9 mils DFT

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

Flash Point: 51°F Pensky Martens
Closed Cup

Mixing Ratio:
1 part Primer Surfacer
5% Catalyst, V66V21
(6.4 oz/gallon)

Pot Life: 24 hours

Package Life: 1 year, unopened

Air Quality Data: (Theoretical)

- 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

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, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

Finishing System:

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, H66W32 series

APPLICATION

Typical Setups

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.

May be applied using:

Conventional Spray
Airless Spray
Air Assisted Airless
HVL

Cleanup:

Clean tools/equipment immediately after use with HAPS Compliant Lacquer Thinner R7K320. Lacquer Thinner R7K120 or R7K22 may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Typical Setups

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.

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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