



Industrial Wood Coatings

CC-F22

SHER-WOOD® Super KEMVAR® "M" Topcoat

Medium Rubbed Effect T77F47
Dull Rubbed Effect..... T77F48
Catalyst..... V66V26

DESCRIPTION

Sher-Wood® Super KemVar "M" Topcoat is a clear catalyzed vinyl finishing system for wood. It is fast drying and has excellent chemical resistance making it ideal for institutional and laboratory furniture.

Advantages:

- Excellent chemical resistance - best of all Sher-Wood clear wood finishes
- Fast drying
- Meets KCMA specification
- Excellent resistance to water, moisture, and organic solvents
- Versatile application; may be applied by conventional, airless and air assisted airless spray
- May be applied over Sher-Wood 24% Solids Vinyl Sealer T67F3 or use a self-sealing system.
- Ideal for laboratory furniture, institutional furniture, etc.
- Gives a "close to the wood" appearance when catalyzed then reduced 25% with Opex Lacquer Thinner.
- Non-Photochemically Reactive

Air Quality Data (Theoretical):

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum:
5.42 lb/gal, 650 g/L
- Catalyzed as above:
5.43 lb/gal, 651 g/L
- Catalyzed as above & reduced 25% with Lacquer Thinner: 5.66 lb/gal, 680 g/L
- Hazardous Air Pollutants (HAPS) as packaged, maximum:
less than 0.8 lbs per lb of solids

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

CHARACTERISTICS

Gloss:

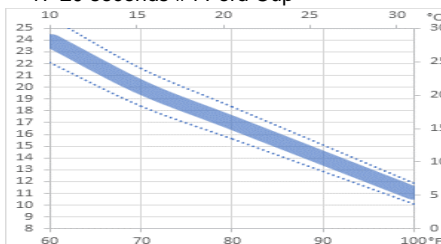
MRE	34-38 units
DRE	17-21 units

Weight Solids: 28 ± 1%

Volume Solids: 20 ± 1%

Viscosity:

20-26 seconds #2 Zahn Cup
17-20 seconds #4 Ford Cup



The above chart is for information only and should not be used as product specifications

Recommended film thickness:

Mils Wet	4.0 - 5.0
Mils Dry	0.8 - 1.0

Spreading Rate (no application loss) 433-581sq ft/gal @ 0.8-1.0 mils DFT

Drying (77°F, 50% RH):

To Touch:	15-20 minutes
To Handle:	20-30 minutes
To Sand:	45 minutes To
Recoat:	45 minutes
Force Dry:	10-20 minutes at 110-140°F

Flash Point: 21°F Pensky-Martens Closed Cup

Mixing Ratio:

1 part	Super KemVar "M"
5%	Catalyst V66V26

Pot Life: 5 days at room temperature, higher temperatures will shorten pot life

Package Life: 24 months, unopened uncatalyzed

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.

Wood Finishing System:

Full Finish

1. Sealer—use Super KemVar "M" as a sealer or use Sher-Wood 24% Solids Vinyl Sealer, T67F3, catalyzed 2% with V66V26. Apply full wet coat.
2. Air dry 30 minutes, sand with 220-280 grit paper, remove all sanding dust.
3. Topcoat—apply a full wet coat and allow to dry. For more depth, apply a second coat.
4. Allow overnight drying before packing, stacking, or rubbing
5. Maximum dry film thickness of the system must not exceed 4 mils.

Close to the wood system

1. Sealer—use Super KemVar "M" reduced 25% with Lacquer Thinner, R7K22. Apply full wet coat. Sher-Wood 24% Solids Vinyl Sealer, T67F3, catalyzed 2% with V66V26 and reduced 25% with Lacquer Thinner may also be used
2. Air dry 30 minutes, sand with 220-280 grit paper, remove all sanding dust.
3. Topcoat—reduce Super KemVar "M" 25% with Lacquer Thinner. Apply full wet coat.
4. Allow overnight drying before packing, stacking, or rubbing.

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.

APPLICATION

Typical Setups

Conventional Spray:

Air Pressure..... 45-65 psi
Fluid Pressure 6-7 psi

Airless Spray:

Pressure1200 psi
Tip011 - .013"

Air Assisted Airless:

Air Assist 10-25 psi
Fluid Pressure 600-700 psi
Tip011 - .013"

Cleanup:

Clean tools/equipment immediately after use with Lacquer Thinner.
Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Super KemVar "M" coatings must be catalyzed with 5% Sher-Wood Catalyst, V66V26. Cross-linking and film properties will not be obtained without catalyzation.
- This product must be used within 5 days of catalyzation to obtain optimum film properties. The catalyst causes a chemical reaction with a downgrading of performance properties after 5 days.
- Store at room temperature after catalyzation since elevated temperatures will cause faster chemical reaction.
- Total film thickness of the system must not exceed 4 mils dry film because heavier films may show cracking tendencies.
- For interior use only.
- Customers are urged to pretest the system under shop conditions.
- Do not use other catalysts with this product.
- Sher-Wood Catalyst, V66V26 is an acid. To prevent acid corrosion and pitting, all equipment should be made of stainless steel. Containers should be stainless steel or plastic.
- Maximum cure and chemical resistance is attained after 30 days air drying.
- Do not use in any systems over nitrocellulose because lifting can occur on recoating.
- Natural finished wood will change color upon aging and exposure to light. This is a natural phenomenon. Clear finishes will not prevent the wood from changing color.

SPECIFICATIONS (CONT.)

Performance Tests

Test panels were prepared as a self-sealing system, using 2 coats of Super KemVar "M" Topcoat catalyzed 5% with V66V26 and 30 days air drying.

Cold Water Immersion (4 days)no effect
Bell Adhesion Test.....no failure
Crosshatch Testno failure
Impact Test: ½ lb Bevelled Steel Rod, 8" drop -Slight crack (1/32")
Combustion Test: ½cc Naphtha puddle ignited - no visual effect on the coating that cannot be removed with a cloth
Humidity: 120°F, 96±2% RH, 24 hours-.....no visual effect
Cold Check ASTM D1211-6020 cycles
Ultraviolet Exposure Sunlamp Arc, 24 hours-slight darkening
Taber Abrasion
CS 10 wheel wear factor of 1.1 mils/1000 cycles

Chemical Resistance

Reagents were trapped under an inverted watch glass for one hour at room temperature. Reagents were removed by washing with water or by wiping with a soft cloth after the test cycle.

Sulfuric Acid: 25%, 50%, 75% ...no visual effect
Phosphoric Acid, 75%no visual effect
Sodium Hydroxide, 20%no visual effect
Ammonium Hydroxide 28%slight darkening
Methyl Alcoholno visual effect
Ethyl Alcohol.....slight softening
recovers in 1 hour
Methyl Ethyl Ketone..... some softening
recovers in 1 hour
Chloroform.....no visual effect
Carbon Tetrachloride.....no visual effect
Formaldehyde.....no visual effect
Tomato Juiceno visual effect
Orange Juiceno visual effect
Merthiolate.....no visual effect
Ethyl Acetateslight softening
recovers in 1 hour
Toluene.....slight softening
recovers in 1 hour
Ethyl Etherno visual effect
Acetoneslight softening
recovers in 1 hour
Potassium Hydroxide 25%.....no visual effect
Saturated zinc chlorideno visual effect
Benzeneno visual effect
Gasolineno visual effect
Naphthano visual effect
Mustard.....no visual effect

These reagents were tested for 24 hours with no discoloration, whitening, rupture, or shrinking.

Vinegar no effect
Lemon Juice no effect
Orange Juice no effect
Grape Juice no effect
Tomato Catsup no effect
Coffee no effect
Olive Oil no effect
100 Proof Alcohol no effect
Nail Polish Remover no effect

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

Note: Each purchase and/or use of products from Sherwin-Williams are exclusively subject to Sherwin-Williams' terms and conditions of sale which can be found here: www.sherwin-williams.com/terms-and-conditions#standard-tc

Please review these terms and conditions prior to each purchase and/or use of the products.

Sherwin-Williams warrants the product to be manufactured in accordance with Sherwin-Williams' quality control procedures. Except for the preceding sentence, **SHERWIN-WILLIAMS SPECIFICALLY 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.**

Sherwin-Williams' liability for products 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.