



**SHERWIN
WILLIAMS.**

SHER-WOOD® Super KEMVAR® "C" Catalyzed Vinyl Coating

Clear T77F4
Catalyst..... V66V26

DESCRIPTION

SHER-WOOD® Super KEMVAR® "C" is a clear catalyzed coating designed for that close-to-the wood look.

Advantages:

- Very fast drying
- Excellent abrasion resistance
- Excellent chemical resistance
- Excellent clarity
- Excellent penetration
- Non-photochemically reactive
- Excellent cold check resistance
- Excellent humidity resistance
- Resistant to rubber stain
- Resistant to plasticizer migration
- Excellent impact resistance
- Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: subchapter B, part 1303.

Air Quality Data: (Theoretical)

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum
5.66 lb/gal, 678 g/L
- Catalyzed 5% with V66V26:
5.67 lb/gal, 679 g/L

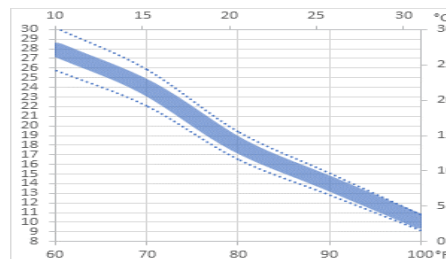
An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com

CHARACTERISTICS

Gloss: <10 units at 60°
18-20 units at 85°
Volume Solids: 15 ± 2%

Viscosity:

20-24 seconds #2 Zahn Cup
18-22 seconds #4 Ford Cup



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

Recommended film thickness:

Mils Wet 6.0 Mils Dry
0.9

Spreading Rate (no application loss)
232-303 sq ft/gal @ 0.9 mils DFT

Drying (77°F, 45% RH):

To Touch: 10 minutes
To Sand: 20 minutes
To Recoat: 30 minutes To
Pack: overnight
Force Dry: at 125°F
Flash 3 minutes, then 5 minutes at 125°F.
Sand, recoat, flash 3 minutes, then 15 minutes at 125°F.
Force Dry: at 140°F
Flash 3 minutes, then 3 minutes at 140°F.
Sand, recoat, flash 3 minutes, then 10 minutes at 140°F.

Flash Point: 25°F Pensky-Martens
Closed Cup

Mixing Ratio:

1 part T77F4
5% Catalyst V66V26

Pot Life: 3 days

Package Life: 24 months, 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.

Wood Finishing System:

1. Apply Penetrating Oil, V82V50, by spray, dip, or brush, and wipe off excess. Air dry 4 hours or force dry 1 hour at 140°F. Can be shaded using Sher-Wood Solvent Based Wiping Stain Concentrates.

A suggested Penetrating Oil mix is as follows:

100 Parts	V82V50 Penetrating Oil
5 Parts	S64N23 Sher-Wood
	Wiping Stain Concentrate
	- Fruitwood
100 parts	R1K3 VM&P Naphtha

2. Spray Super KemVar "C", air dry 30 minutes.

3. Sand using 320 grit "No-Fill" paper and remove all sanding dust.

4. Apply a second coat of Super KemVar "C". Air dry overnight before packing.

APPLICATION

Typical Setups

May be applied by:
Conventional Spray

Reduction:
Reduction normally not required. If needed, use Toluol.

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.

Physical Test:

Print— 8 oz. Army Duck Type III, Fed. Spec. CCC-D-771 passed
Adhesion—crosshatchno adhesion loss
Cold Check ASTM D1211-60.....
..... passed 20 cycles
Impact Resistance—1 lb steel ball dropped
17 inches.....no adhesion loss
Adhesion—wet sponge on "X" cut, overnight
..... slight loss of adhesion
Nagahyde—plasticizer migration in contact
with finish overnight at 125°F no effect
Synthetic rubber in contact with finish over-
night at 125°F..... no effect
Light Fastness—Carbon Arc, 24 hours
.....very slight darkening
Humidity Resistance—24 hours at 110°F and
96±2% RH no softening
Abrasion Resistance—Taber Abraser, CS
17 wheel..... 1 mil of wear per 500 cycles

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SPECIFICATIONS

Product Limitations:

- Material must be catalyzed 5% with V66V26.
- Do not apply over lacquer sealer or lacquer topcoats. This will cause lifting.
- Clean equipment before and after with lacquer thinner.
- KemVar Catalyst is an acid. To prevent acid corrosion and pitting, all application equipment should be made of stainless steel. Containers and piping should be stainless steel or plastic.
- Product must be used within 3 days of catalyzation. Usage within 8 hours is preferred. At room temperature the catalyst initiates a chemical reaction and cure mechanism that downgrades performance if not applied within 3 days. Temperatures higher than room temperature will shorten working pot- life.
- Do not use other catalysts with this product.
- Natural finished wood will change color on aging and exposure to light. This is a natural phenomenon. Clear finishes will not prevent the wood from changing color.

Household Chemicals Test

Walnut panels were coated with 1 coat of Penetrating Oil and two coats of Super Kem-Var "C", then aged 21 days at room conditions, 5 drops of each item were placed under a watch glass for 18 hours (unless otherwise noted). The reagent was removed by washing with water or by wiping with a soft cloth (unless otherwise noted). After removal, the finish was examined and the following results noted:

Cold waterno visual effect
Ethyl Alcohol/water (1:1)no visual effect
2% Causticvery slight permanent darkening of wood pores
Orange Juice.....possible slight permanent discoloration if orange juice penetrates pores of the wood
Detergent Soap Solutionno visual effect
Naphtha.....no visual effect
10% Tri-Sodium Phosphate ..no visual effect
Pine-Sol® Disinfectant
slight whitening with some recovery
Tomato Juice.....no visual effect
Lipstick (2 hours)no visual effect
Merthiolate (2 hours)
slight stain, can be removed with alcohol
Wax Crayon (2 hours)no visual effect
Washable Ink (2 hours)no visual effect
Butter (2 hours)no visual effect
Mustard (2 hours)no visual effect
Nail Polish removed completely with nail polish remover..... no effect on finish

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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