



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-F8

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

Clear T77F4
Catalyst V66V26

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>SHER-WOOD® Super KEMVAR® "C" is a clear catalyzed coating designed for that close-to-the wood look.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • 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 	<p>Gloss: <10 units at 60° 18-20 units at 85°</p> <p>Volume Solids: 15 ± 2%</p> <p>Viscosity: 20-24 seconds#2 Zahn Cup 18-22 seconds#4 Ford Cup</p> <p>Recommended film thickness: Mils Wet 6.0 Mils Dry 0.9</p> <p>Spreading Rate (no application loss) 232-303 sq ft/gal @ 0.9 mils DFT</p> <p>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.</p> <p>Flash Point: 25°F Pensky-Martens Closed Cup</p> <p>Mixing Ratio: 1 part T77F4 5% Catalyst V66V26</p> <p>Pot Life: 3 days Package Life: 18 months, un-opened</p> <p>Air Quality Data: 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</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>Wood Finishing System:</p> <ol style="list-style-type: none"> 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 or R7K322. Lacquer Thinner, R7K120 or R7K 22 may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

Household Chemicals Test

Walnut panels were coated with 1 coat of Penetrating Oil and two coats of Super KemVar "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 water no visual effect
Ethyl Alcohol/water (1:1) no visual effect
2% Caustic very slight permanent darkening of wood pores
Orange Juice possible slight permanent discoloration if orange juice penetrates pores of the wood
Detergent Soap Solution no 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

Physical Test:

Print— 8 oz. Army Duck Type III, Fed. Spec.
CCC-D-771 passed
Adhesion—crosshatch no 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
Naugehyde—plasticizer migration in contact with finish overnight at 125°F no effect
Synthetic rubber in contact with finish overnight 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

SPECIFICATIONS

Product Limitations:

- Material must be catalyzed 5% with V66V26.
- Do not apply over lacquer sealer or lacquer topcoats because of lifting and effect on quality.
- 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 potlife.
- 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.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION

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.

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.