



**SHERWIN  
WILLIAMS.**

# Industrial Wood Coatings

CC-F76

## SHER-WOOD® F3 KEMVAR® Sealer

Clear.....T85F300

Catalyst.....V66V72

Super Kemvar Catalyst.....V66V26

### DESCRIPTION

**SHER-WOOD F3 KemVar® Sealer** is a formaldehyde free conversion varnish sealer designed for coating interior woodworking.

#### **Advantages:**

- Formaldehyde free during application and on cured parts
- Contains UV absorber for added wood protection
- Fast dry to sand properties
- Meets KCMA test requirements for finishes when used under F3 KemVar Varnishes
- UL GREENGUARD Gold Certified for low chemical emissions



#### **Air Quality Data:**

- Photochemically reactive
- Volatile Organic Compounds (VOC) theoretical as packaged, maximum less exempt solvents: 5.00 lb/gal, 600 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged: less than 0.80 lb/lb of solids

An Environmental Data Sheet is available from your local Sherwin-Williams facility, or at [www.paintdocs.com](http://www.paintdocs.com).

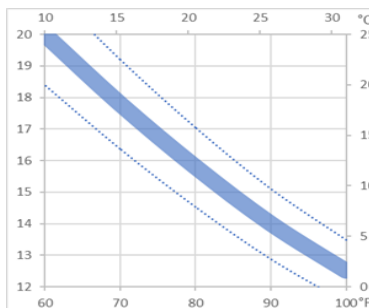
VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

### CHARACTERISTICS

**Gloss:** 6-12 units @60°

**Volume Solids:** 30 ± 1%

**Viscosity:**  
17-20 sec #2 Zahn Cup



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

#### **Recommended film thickness:**

Mils Wet 3.0 - 5.0  
Mils Dry 0.9 - 2.4

**Spreading Rate** (no application loss)  
320-535 sq ft/gal @ 1.0 mils DFT

#### **Drying** (77°F, 50% RH):

To Touch: 10-15 minutes  
To Handle: 20-40 minutes  
To Sand: 20-40 minutes  
To Recoat: 20-40 minutes  
Force Dry: Flash 10 minutes, force dry 10 minutes at 110-140°F

#### **Mixing Ratio:**

1 part F3 KemVar Sealer  
5% by volume (6.4 oz/gallon)  
V66V72  
or  
6.7% V66V26 (8.6 oz/gal)  
(do not overcatalyze)

**Pot Life:** 24 hours

**Flash Point:** 61°F Pensky-Martens  
Closed Cup

**Package Life:** 1 year, 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

#### **Wood Finishing System**

- Color Wood- Stain or tone as desired and dry thoroughly.
- Seal – Apply F3 KemVar Sealer at 3.0-5.0 wet mils
- Air dry 20-40 minutes, sand with 240-320 grit or sponges as required
- Topcoat – apply F3 KemVar Varnish at 3.0 – 5.0 wet mils.
- For more depth or build, sand and apply an additional coat
- Do not exceed 4.0 mils DFT for the total system

**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 .....40-50 psi  
Fluid Pressure..... 6-8 psi

#### **Airless Spray:**

Pressure ..... 1200-1800 psi  
Tip..... .011 - .015"

#### **Air Assisted Airless:**

Assist Air Pressure ..... 10-25 psi  
Fluid Pressure..... 400-800 psi  
Cap/Tip ..... .011-.015"

#### **HVLP:**

Air Pressure ..... 4-9 psi  
Fluid Pressure..... 10-12 psi

**Reducing Options:** Reduce 3-5% to adjust drying or build with MEK (R6K10) or Butyl Acetate (R6K18).

**Retarding Options:** Retard 1-3% with MAK (R6K30) or 2-Butoxyethanol (R6K25).

#### **Cleanup:**

Clean tools/equipment immediately after use with MEK (R6K10) or Butyl Acetate (R6K18).

Follow manufacturer's safety recommendations when using any solvent.

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## **ADDITIONAL INFORMATION**

- For interior use only
- **Sher-Wood F3 KemVar Sealer must be catalyzed with 5.0% V66V72 or 6.7% V66V26. Do not over-catalyze.**
- To prevent acid corrosion, discoloration and pitting all equipment should be stainless steel. Containers and piping should be stainless steel or plastic.
- **Do not use KemVar Catalyst V66V21 with the Sher-Wood F3 KemVar products.** V66V21 will cause the F3 Sealer to acid bloom and crack
- **Color:** SherWood F3 KemVar Sealer has a slight amber cast and may change the appearance of pigmented basecoats, surfacers, stains and glazes. The final color should be approved after applying finish coats of F3 KemVar Varnish to the surface. This product includes a UV absorber which will limit yellowing of the finish
- Temperature must be above 70°F during application and cure to ensure acceptable coating properties.
- Coatings cured at lower temperatures are prone to cracking, checking and brittleness
- Maximum dry film thickness of the coating system is 4.0 dry mils
- To maintain formaldehyde free status only recommended solvents may be added. Solvents such as acetone or EEP may contain trace amounts of formaldehyde

#### **Performance Tests:**

Cold Checks 20 cycles ..... pass  
Edge Soak..... pass

#### **Household Chemicals Test**

ANSI-KCMA A161.1-2012 test procedures: following 10 days air dried panels, self-sealed (2 coats) with 2.0-3.0 dry mils of coating. Materials were washed off with clear water after the 24 hour test cycle and evaluated.

Vinegar.....	no effect
Lemon Juice.....	no effect
Orange Juice.....	no effect
Grape Juice .....	no effect
Tomato Catsup.....	no effect
Coffee @ 115F.....	no effect
Olive Oil .....	no effect
100 Proof Alcohol .....	no effect
Water & Detergent.....	no effect
Mustard .....	slight stain, recovered

## **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](http://www.paintdocs.com).

Please direct any questions or comments to your local Sherwin-Williams facility.

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