



Chemical Coatings

CC-F52

SHER-WOOD® Acrylic Conversion Coating

Gloss	T77C60
Bright Rubbed Effect	T77F61
Medium Rubbed Effect	T77F62
Dull Rubbed Effect	T77F63
Catalyst	V66V26

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>																						
<p>SHER-WOOD® Acrylic Conversion Coating is a HAPS Free CAB-Acrylic catalyzed wood finishing system that features a water white clear finish with excellent non-yellowing properties, as well as a 6 month working potlife. It is recommended for clear coating pickled, light pastel, and natural unstained woods when resistance to discoloration and yellowing are required.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Water white formulation containing UV Absorber for enhanced non-yellowing properties • Precatalyzed coating with 6 months working potlife • Ready to spray, no reduction required • Meets the test requirements of the Kitchen Cabinet Manufacturers Association (KCMA) as a self sealed system or over Sher-Wood Vinyl Sealers T67F3 or T67F6 catalyzed • Fast dry to sand and quick early hardness characteristics • HAPS FREE as packaged (as defined by the National Standards for Hazardous Air Pollutants [HAPS] Emissions for Wood Manufacturing Operations 40 CFR 63, Subpart JJ) • Low formaldehyde content • May be applied by conventional, airless, air-assisted airless, or HVLP spray methods • Good moisture, household chemical, and cold check resistance • Ideal for interior wood products such as kitchen cabinetry and furniture 	<p>Gloss (measured on black glass):</p> <table border="0"> <tr> <td>Gloss</td> <td>88+ units</td> </tr> <tr> <td>BRE</td> <td>55-59 units</td> </tr> <tr> <td>MRE</td> <td>30-34 units</td> </tr> <tr> <td>DRE</td> <td>17-21 units</td> </tr> </table> <p>Volume Solids: 18 ± 2%</p> <p>Viscosity: 22-27 seconds #2 Zahn Cup</p> <p>Recommended film thickness per coat:</p> <table border="0"> <tr> <td>Mils Wet</td> <td>4.0-6.0</td> </tr> <tr> <td>Mils Dry</td> <td>0.7-1.1</td> </tr> </table> <p>Spreading Rate (no application loss) 233-458 sq ft/gal @ 0.7-1.1 mils DFT</p> <p>Drying (77°F, 50% RH):</p> <table border="0"> <tr> <td>To Sand:</td> <td>30-40 minutes</td> </tr> <tr> <td>To Recoat:</td> <td>30-40 minutes</td> </tr> <tr> <td>To Pack:</td> <td>4 hours</td> </tr> <tr> <td>To Rub:</td> <td>4 hours</td> </tr> <tr> <td>Force Dry:</td> <td>flash 10 minutes, then 10-15 minutes at 110-140°F; air dry 2 hours before packing</td> </tr> </table> <p>Flash Point: 4°F Pensky-Martens Closed Cup</p> <p>Mixing Ratio: 1 gallon Acrylic Conversion Ctg 4 oz. Catalyst V66V26</p> <p>Pot Life: 6 months</p> <p>Package Life: 24 months uncatylyzed, 6 months catalyzed</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 5.65 lb/gal, 678 g/L 3.0 lbs VOC/lb solids Hazardous Air Pollutants (HAPS) as packaged, maximum 0.0 lbs per lb of solids</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	Gloss	88+ units	BRE	55-59 units	MRE	30-34 units	DRE	17-21 units	Mils Wet	4.0-6.0	Mils Dry	0.7-1.1	To Sand:	30-40 minutes	To Recoat:	30-40 minutes	To Pack:	4 hours	To Rub:	4 hours	Force Dry:	flash 10 minutes, then 10-15 minutes at 110-140°F; air dry 2 hours before packing	<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. Color wood—stain or tone as desired and dry thoroughly. 2. Seal—Apply Acrylic Conversion Coating as sealer, Sher-Wood Fast Dry Vinyl Sealer T67F6 catalyzed or Vinyl Sealer T67F3 catalyzed. (Consult Corresponding Data Pages for details.) Spray a full wet coat. Air Dry 30 minutes. 3. Sand with 240 grit or equivalent, remove sanding dust. 4. Topcoat—Spray a full wet coat of Acrylic Conversion Coating at 4.0-6.0 mils wet. 5. For more depth or build apply an additional coat. Do not exceed 4.0 mils DFT for the total system.
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APPLICATION

Typical Setups

THIS PRODUCT REQUIRES CATALYZATION FOR PROPER PERFORMANCE, DETERMINE IF IT HAS BEEN CATALYZED BEFORE USING. Pot life after catalyzation is 6 months. Record the catalyzation date on the sticker on the container.

Reduction: Acrylic Conversion Coating is formulated to be ready to spray following the addition of catalyst.

Should reduction be required use good quality lacquer thinner such as R7K322 or R7K305 to thin. R7K305 can be used to maintain a HAPS free formula. Solvents such as Acetone R6K9 or n-Butyl Acetate R6K18 can also be used to reduce. Acetone is a very fast solvent that is listed as non-VOC. N-Butyl Acetate is a medium speed reducing solvent. Reducers and the listed solvents can be added at 5-20% to maintain viscosity or reduce solids.

To retard use PM Reducer R6K34 as moderate speed retarder, MAK R6K30 as a slightly slower retarder, and EEP Reducer R6K35 as a slow retarder. Add between 2-10% to desired dry.

Note: Stainless steel spray equipment must be used.

Conventional Spray:

Air Pressure 35-60 psi
Fluid Pressure 6-10 psi

Airless Spray:

Pressure 1500-1800 psi
Tip011-.013

Air Assisted Airless:

Assist Air Pressure 20-30 psi
Fluid Pressure 500-900 psi

Tip011-.013

HVLP:

Gun Binks Mach 1
Atomizing Air Pressure at the Cap ... 9 psi
Fluid Pressure 12 psi
Cap/Tip 97AP Blue Max/94

Cleanup:

Clean tools/equipment immediately after use with HAPS Compliant Lacquer Thinner, R7K320 or R7K322. Lacquer Thinner R7K120 and R7K22 may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- For interior use only.
- This product **must be catalyzed** with 3.1% V66V26 by volume or 4.0 ounces catalyst per gallon of coating for proper drying and development of resistance properties. Excess catalyst detracts from film properties.
- Do not use product that has been catalyzed over 6 months, performance properties will not develop.
- Do not subject catalyzed material to iron, brass or aluminum. Exposure to these will discolor Sher-Wood Acrylic Conversion Coating and can affect cure. Store catalyzed material in stainless, plastic or lined containers. Stainless steel spray equipment must be used.
- To achieve maximum performance properties a minimum of 2 mils DFT is required. **Do not exceed 4.0 mils DFT for the total system.**
- Non-yellowing is relative, not absolute terminology. This quality formulation provides UV resistance superior to most standard type nitrocellulose containing precatalyzed lacquers, CAB Acrylic lacquers, and waterwhite varnishes that do not contain UV absorbers.
- Sher-Wood Acrylic Conversion Coating will provide good UV protection in general home and office environments. Should your application be in extreme light environments consult your Sherwin Williams representative prior to using.
- Maximum cure and chemical resistance properties are attained 14 days after finishing in an air dry environment.
- For optimum UV/Non-yellowing properties, apply Acrylic Conversion Coating as a self-seal system.
- 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.
- May be used as a shading lacquer or toner by adding no more than 2 ounces of Chroma Chem 844 colorants.

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.