Industrial Wood Coatings

CC-F52

SHER-WOOD® Acrylic Conversion Coating

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

DESCRIPTION

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.

Advantages:

- 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 Asso- ciation (KCMA) as a self sealed sys- tem or over catalyzed Sher-Wood Vinyl Sealers T67F3 or T67F6
- Fast dry to sand and quick early hard- ness characteristics
- HAPS FREE as packaged (as defined by the National Standards for Hazard- ous Air Pollutants [HAPS] Emissions for Wood Manufacturing Operations 40 CFR 63, Subpart JJ)
- May be applied by conventional, air- less, 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

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

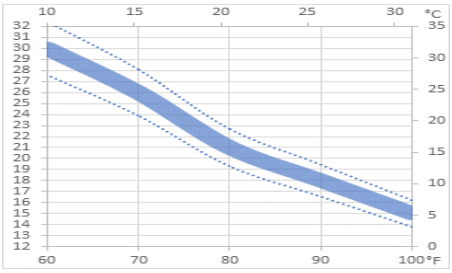
An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com

CHARACTERISTICS

Gloss (measured on black glass):

Gloss	85+ units
BRE	55-59 units
MRE	34-38 units
DRE	17-21 units

Volume Solids: 18 ± 2%
Weight Solids: 25 ± 2%
Viscosity:
22-27 seconds #2 Zahn Cup



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

Recommended film thickness per coat:
Mils Wet 4.0-6.0 Mils Dry
0.7-1.1

Spreading Rate (no application loss)
233-458 sq ft/gal @ 0.7-1.1 mils DFT

Drying (77°F, 50% RH):

To Sand:	30-40 minutes
To Recoat:	30-40 minutes To
Pack:	Overnight
To Rub:	4 hours
Force Dry:	flash 10 minutes, then 10-15 minutes at 110-140°F; air dry 2 hours before packing

Flash Point: 4°F PMCC
Mixing Ratio:

1 gallon	Acrylic Conversion Ctg
4 oz.	Catalyst V66V26

Pot Life: 6 months
Package Life: 24 months uncatalyzed, 6 months catalyzed

Air Quality Data (Theoretical):

- Non-photochemically reactive
- Volatile Organic Compounds (VOC) as packaged, maximum:
  5.65 lb/gal, 678 g/L
- Hazardous Air Pollutants (HAPS): as packaged, maximum:
  0.0 lbs per lb of solids

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

1. Color wood—stain or tone as desired and dry thoroughly.
2. Seal—Apply Acrylic Conversion Coat- ing as a sealer, or 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, re- move 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 addi- tional coat. **Do not exceed 4.0 mils DFT for the total system.**

Note: When using Sher-Wood Vinyl Sealer under the Sher-Wood Acrylic Conversion Coating, the vinyl sealer **MUST** be catalyzed. Reference corre- sponding vinyl sealer data pages for de- tails.

Testing: The information, data, and rec- ommendations 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 meth- ods, and environments, the customer should test the complete system for ad- hesion, compatibility and performance prior to full scale application.

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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 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.

Retard: 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
Tip 011-.013
Air Assisted Airless:
Assist Air Pressure ..... 20-30 psi
Fluid Pressure ..... 500-900 psi Tip 011-.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. Lacquer Thinner R7K120 and R7K22 may also be used, but are not HAPS compliant.

Follow manufacturer's safety recom- mendations 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 water white varnishes that do not contain UV absorbers.
- Sher-Wood Acrylic Conversion Coat- ing 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 col-or 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 OptiColor® XP or GIS colorants up to 2 ounces per gallon.

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 com- ments to your local Sherwin-Williams facility