



Chemical Coatings

CC-F35

**SHERWIN
WILLIAMS.**

SHER-WOOD® Vinyl Basecoat System

Monochromatic Intermix System

Black P63B1	Blue P63L4	Quinacridone Red P63R7	Brite Yellow P63Y10
Orange P63E2	Burnt Umber P63N5	Red Oxide P63R8	Ferrite Yellow P63Y11
Green P63G3	Scarlet P63R6	White P63W9	

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p>SHER-WOOD® Vinyl Basecoat System is a HAPS compliant Monochromatic Intermix System designed for the custom blending of spray stains, ground coats, basecoats, toners, shading stains, and edging lacquers. They are extremely versatile and can be topcoated with all Sher-Wood wood finishing clears.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Meets the federal HAPS rule for wood finishes* • High strength concentrates for full color and opacity range from transparent stains to full hiding basecoats • Clean colors attain rich wood tones • Excellent clarity to highlight wood grain • Excellent light fastness and non-bleeding • Fast drying • Vinyl resin based for best film properties • Compatible with all Sher-Wood wood finishing clears • May be blended with Sher-Wood Vinyl Sealers T67F3, T67F5, T67F7 and P63W2 in any ratio • Free of lead hazards as packaged in compliance with Consumer Product Safety Commission's (CPSC) 16 CFR Chapter II: Subchapter B, part 1303. <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p>	<p>Gloss: Low Gloss</p> <p>Volume Solids: 7.6 - 17± 1%</p> <p>Viscosity: 18-41 seconds #2 Zahn Cup 10-34 seconds #4 Ford Cup</p> <p>Drying (77°F, 50% RH): as a spray stain or toner: To Touch: 5 minutes To Recoat: 10 minutes as a basecoat or ground coat To Touch: 15 minutes To Handle: 30 minutes To Recoat: 30 minutes Force Dry: 15 minutes at 120°F</p> <p>Flash Point: 22°F Pensky Martens Closed Cup</p> <p>Package Life: 2 years, unopened</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 5.6-6.4 lb/gal, 672-768 g/L Hazardous Air Pollutants (HAPS) as packaged less than 0.8 lbs per pound of solids</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>Catalyzation of P63 Series Basecoats/ Groundcoats: P63 Series Basecoats and Groundcoats must be catalyzed when the topcoat is a catalyzed product - Sher-Wood Conversion Varnish, Catalyzed Lacquers or Catalyzed Vinyl. Catalyzing the basecoat will give improved intercoat adhesion and resistance to wrinkling, lifting, and critical recoat with catalyzed topcoats. The basecoats should be catalyzed 2% with Sher-Wood Super KemVar Catalyst V66V26. Pot life is 24 hours at room temperature. Higher temperature, humidity or aeration will shorten working potlife. To extend use life at the end of the day, add 300% of uncatalyzed material. Add catalyst based only on the uncatalyzed portion when ready to use the next day. Refrigeration also extends working pot life. Do not add catalyst when using as spray stain or toner.</p>

SPECIFICATIONS

Pigmented Spray Stains

Pigmented Spray Stains with excellent clarity, penetration and grain definition can be blended as follows:

P63 Basecoat Mix 5-10 parts
HAPS Free Reducer R7K305 . 85-80 parts
MAK - R6K30 10 parts
Best grain definition is obtained by wetter application with a slow evaporating solvent such as MAK. Allow to flash off and dry 5-10 minutes before going to the next finishing step.

Pigmented/Dye Spray Stains

P63 Basecoats and Sher-Wood Universal Dye Stain Concentrates may be blended to make spray stains giving more penetration and background staining as follows:

P63 Basecoat Mix 5 parts
S61 Universal Dye Stain Concentrate 5 parts
HAPS Free Reducer R7K305 90 parts
Allow to flash off 5-10 minutes and apply a wash coat or sealer to lock in color.

Toners

Toners can be made by diluting the P63 Basecoat color with R7K305 and spraying to desired color and appearance. A starting formula is

P63 Basecoat Mix 10 - 20 parts
HAPS Free Reducer R7K305 80 - 90 parts
Adjust color concentration to get desired shade. After the toner has flashed off, continue the finishing process with sealers and topcoats.

Basecoats/Groundcoats

Basecoats are build coats that provide full hiding on the wood surface. They are normally applied without reduction. Spray a full wet coat of 5-6 mils wet. Allow to flash off. If needed, apply another full wet coat for hiding. Allow the basecoat to dry for 30 minutes. Then sand thoroughly and apply the topcoats.

Groundcoats are full hiding coats that penetrate into the wood and do not provide film build. They are applied at very low viscosity. For ground coats, reduce approximately 50% with HAPS Free Reducer R7K305 and spray a full wet coat to obtain hiding.

A full color range of basecoats and groundcoats can be obtained by blending P63 basecoats with Sher-Wood Vinyl Sealer to obtain desired color and opacity. Typical intermix formulas are:

P63 Basecoat Mix 50-75 parts
Vinyl Sealer 50-25 parts
These P63 Vinyl Basecoat Monochromatics may be blended in any proportion with T67F3 and P63W2 to make basecoats and groundcoats.

APPLICATION

Typical Setups

Reducers

The P63 Vinyl Basecoat series requires a very strong solvent blend. Do not use generic lacquer thinners as they may cause kickout. R7K322 is designed to give optimum properties in this system. For faster drying, Acetone R6K9 may be used. If a retarder solvent is needed, use small quantities of MAK R6K30.

To maintain HAPS Compliance you must use R7K305 to make toners, Spray Stains and Pigmented/Dye Stains. R7K322 may be used for general reduction. However, if you make a new product, not just a reduction, you must use R7K305 to maintain HAPS Compliance.

May be applied using:

Conventional Spray
Airless Spray
Air Assisted Airless
HVLP

Cleanup:

Clean tools/equipment immediately after use with Lacquer Thinner R7K322. Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- Agitation is recommended to maintain uniform color.
- Agitate thoroughly before blending bases or use.
- Final color is influenced by substrate variations as well as topcoat gloss quality.
- Customer should pretest system on his substrate under shop conditions.
- Not recommended for exterior use
- Do not mix P63 Bases with lacquer or vanishes. They are incompatible.
- Do not use R7K320 or similar lacquer thinners. They are not strong enough. Use R7K322 or R7K305 only.
- Do not catalyze with Sher-Wood KemVar Catalyst V66V21 because it has much shorter pot life and may affect performance properties of the system.
- Do not use catalyzed P63 Basecoats under non-catalyzed topcoats because of potential intercoat adhesion problems.

CAUTIONS

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.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET.21336-051905.

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.