



**SHERWIN  
WILLIAMS.**

Wheat ..... S64H501  
 Cinnamon ..... S64N502  
 Cordovan ..... S64R515  
 Dark Walnut ..... S64N505

# Chemical Coatings

CC-F27

## SHER-WOOD® Water Reducible Wiping Stain

Cherry ..... S64R506  
 Mahogany ..... S64R507  
 Dark Oak ..... S64N504  
 White ..... S64W511  
 Fruitwood ..... S64N503  
 Clear ..... S64T508

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p><b>SHER-WOOD® Water Reducible Wiping Stains</b> are low VOC, ready-to-use, pigmented stains intended to accent and highlight grain definition and the natural beauty of wood products.</p> <p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• Meets the Federal HAPS rule for wood finishes as packaged*</li> <li>• Very low volatile organic solvent emissions—less than 0.5 lb/gal</li> <li>• VOC of under 3.0 lb/gal less water—meets all existent VOC regulations for low solids stains</li> <li>• Ready-to-use</li> <li>• Clean colors attain rich wood tones</li> <li>• Durable colors—no color fade or bleed</li> <li>• Excellent clarity—highlights wood grain</li> <li>• Good workability—10 minutes open time</li> <li>• Excellent re-wetting of stain even after 24 hours drying</li> <li>• Apply by spray, dip, brush or cloth</li> <li>• Use as a spray stain with further reduction</li> <li>• May be blended with other stains in this series to make additional colors</li> <li>• Use to make shading lacquers and toners with Sher-Wood Kem Aqua Lacquer</li> <li>• Low odor system</li> <li>• All Sher-Wood sealers and topcoats may be applied:           <ul style="list-style-type: none"> <li>-Kem Aqua Lacquer System</li> <li>-Hi-Bild Lacquer System</li> <li>-Moisture Resistant Lacquer</li> <li>-CAB-Acrylic Lacquer with Vinyl Sealer</li> <li>-Catalyzed Lacquer with Vinyl Sealer</li> <li>-Super KemVar “C” and “M”</li> <li>-KemVar Conversion Varnish</li> <li>-Water White Conversion Varnish</li> </ul> </li> <li>• Free of lead and chromate hazards</li> </ul> <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p>	<p><b>Gloss:</b> Flat</p> <p><b>Weight Solids:</b> 6 - 22% varies by color</p> <p><b>Volume Solids:</b> 5 - 11% varies by color</p> <p><b>Viscosity:</b> 10-15 seconds #4 Ford Cup</p> <p><b>Drying</b> (77°F, 50% RH): <b>Working time:</b> Wipe within 10 minutes or before water flashes off. If it dries before wiping, just re-wet with stain and wipe.</p> <p><b>Recoat time:</b> 30 minutes after wiping. When sealing or topcoating with solvent based products, the stain must be thoroughly dry. Good air movement is important for water evaporation.</p> <p><b>Flash Point:</b> &gt;200°F Seta Flash Closed Cup</p> <p><b>Package Life:</b> 1 year, unopened</p> <p><b>Air Quality Data:</b> Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, less water, maximum 3.0 lb/gal, 360 g/L Volatile Organic Emissions as packaged, maximum 0.5 lb/gal, 60 g/L Hazardous Air Pollutants (HAPS) as packaged, maximum less than 0.8 lbs per pound of solids</p> <p>An Air Quality Data Sheet is available from your local Sherwin-Williams facility.</p>	<p><b>Wood</b> (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><b>Testing:</b> 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><b>Custom Color Stains:</b> Other stain colors can be made by blending stains and/or by incorporating HULS 896 colorants, Blend-a-Color colorants up to 8 oz./gallon or UCDQ colorants up to 4 oz./gallon into the stain to the desired color or strength.</p> <p><b>To shade Fillers and Lacquers:</b> Wiping Stains may be added to Sher-Wood Kem Aqua Lacquer to make toners and shading lacquers. A maximum of 4 ounces per gallon should be added to the lacquer to obtain the desired color.</p>

## APPLICATION

### Typical Setups

#### May be applied by:

Conventional  
Brush  
Sponge  
Cloth  
Dip

#### Conventional Spray:

Air Pressure ..... 30-35 psi  
Fluid Pressure ..... 6-10 psi

#### Application as a Wiping Stain

Reduction normally not required. If a lighter color is desired, reduce with water or wipe sooner. Spray a full wet coat. Remove excess stain by wiping using a circular motion with a soft cloth. For a deeper color, allow some of the solvent to flash off, up to 10 minutes maximum working time.

If wiping becomes difficult due to dryness of the stain, rewet with a cloth dipped in stain, then wipe again. Sealers or other wood finishing products may be applied 30 minutes after wiping. Wood surface must be dry before topcoating. Good air movement is necessary for best drying.

#### Application as a Spray Stain

For applications requiring a spray stain, reduce 500-700% and spray a uniform coat. Atomization pressure of 6 to 10 psi is typical. Subsequent wood finishing products can be applied after 15 to 30 minutes drying.

#### Cleanup:

Clean tools/equipment immediately after use with water, or a blend of water and ammonia, or a 3:1 blend of water and Butyl Cellosolve.

Follow manufacturer's safety recommendations when using any solvent.

## SPECIFICATIONS

#### Product Limitations:

- Continuous agitation is recommended to maintain uniform color.
- Final color is influenced by wood type and substrate variations. Water reducible stain may appear very strong in color on soft wood. If color is too deep, reduce stain with water or allow less drying time before wiping.
- Maintain uniform sanding specification for color reproducibility.
- Not recommended for exterior use.
- When finishing Redwood, Red or White Oak, and Cedar Wood with water based finishes, tannins may be extracted from the wood and cause yellowing, staining, or discoloration of the stain, sealer and/or topcoat. This tannin bleed is most evident with white or pickled stains and clear topcoats. Users are urged to thoroughly test the system under shop conditions.
- To maintain HAPS compliance only reduce with HAPS compliant reducers.

## 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.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area.

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: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. 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.

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.3909-051905.

**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.