



# PRODUCT DATA SHEET

## Water Clear Lacquer Sanding Sealer

### DESCRIPTION

WCLSS-0100 has been designed for use in conjunction with our WCL-00XX Series Water Clear Lacquers as a preferred system for light or natural stains, as well as any situation that requires a lacquer system with low color and exceptional clarity. For wood substrates only. This sealer is a step above standard nitrocellulose lacquer technology and has been designed for finishing doors, moldings, trim, and other interior woodworking projects that do not require significant moisture resistance. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
WCLSS-0100	<p><b>Viscosity:</b> 20-22 #4 Ford  <b>Weight Solids:</b> 24 %  <b>Volume Solids:</b> 17.5 %  <b>Weight/Gallon:</b> 7.68 lb./gal  <b>Coverage:</b> 281 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (coating):</b> 5.5 lb./gl. or 658 g/l  <b>VOC (material):</b> 3.8 lb./gl. or 458 g/l  <b>VOC Ratio:</b> 2.07 lbs. VOC/lb. Solids  <b>HAPS Ratio:</b> .49 lbs. HAPS/lb. solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78°, relative humidity 50%;  To touch: 5 minutes  To Handle: 10 minutes  To sand/recoat: 15-20 minutes</p> <p>Relative humidity will affect the speed of drying. Ideal conditions are 75° or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidities, and equally slower at colder temperatures and higher humidities.</p> <p><b>Dry Film Thickness:</b>  For best results, the DFT for this sealer should be between .5-.7 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.</p> <p><b>Shelf Life:</b> 24 months @ 77° F if unopened and stored in a cool dry area. Always rotate stock.</p> <p><b>Storage:</b> Keep away from heat or sparks.</p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p>	<p><b>Reduction:</b>  <b>Thinning:</b> Reduction is not recommended for airless spray. If needed due to conditions in your facility use SOL-0500 Lacquer Thinner at levels not to exceed 13 oz (10% by volume)*</p> <p><b>Retarder:</b> If a slower dry time is desired, or to prevent blushing in humid weather use SOL-0061 Retarder at levels not to exceed 4 oz per gallon (3% by volume)*</p> <p><b>Note:</b> Effective dry times will be lengthened if retarder is added</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b>  WCL-00XX Series Water Clear Lacquers</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Fast Dry</li> <li>➤ Easy Sanding</li> <li>➤ AIM Compliant</li> <li>➤ Specifically Formulated For Clarity</li> <li>➤ Phthalate Free</li> </ul>		

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## PRODUCT DATA SHEET WCLSS-0100 CONTINUED



### Substrate preparation:

**New wood:** Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. New wood: Sand to 150-180 grit. Proper sanding of wood is absolutely critical to achieve the best color development and adhesion of the coating to the substrate.

**Old wood:** Strip old finishes completely and remove all contaminants from the surface. Make sure the surface is dry, sand as required. Finish as new work.



### Mixing Instructions:

Mix material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed.



### Application:

If staining, apply the approved Gemini stain of your choosing and let dry per the instructions on the PDS for that particular stain. Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 15-20 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag.

Typically we recommend 1 coat of WCLSS-0100 applied at 3-4 mils wet film build and 2 coats of topcoat applied at 3-4 mils wet film build. Please refer to the Approved Companion Products section of this document for a list of approved topcoats. Please refer to the PDS for the topcoat you choose for dry film limitations for the complete system.



### Recommended Tip Sizes:

Conventional Air	1.3-1.8 mm
HVLP	1.5-1.9 mm
Airless	10-13 thousandths
Air Assisted Airless-	10-13 thousandths



### Precautions:

These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturer's products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations

### Equipment:

All equipment used with this product must have plastic, stainless steel, or Teflon fluid passages and wetted parts

### Containers:

We supply this material in a lined container. All containers used in conjunction with storage and/or application of this product must be stainless steel, plastic, or otherwise acid resistant.

### Clean Up:

Use SOL-0500 Lacquer Thinner to clean up all equipment. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

**Care and cleaning of this finish:** Use a mild dishwashing liquid and a damp cloth to remove food, grease, and other residue. Wipe dry. Do not use cleaners that contain ammonia, bleach, or abrasives as this may damage the finish.