



PRODUCT DATA SHEET

275 VOC Water Clear Lacquers

DESCRIPTION

WCL275-00XX is a high quality, furniture grade, nitrocellulose lacquer system formulated with state-of-the-art, clear, color stable resins. This system is a step above standard nitrocellulose lacquer technology and provides an introduction into higher performance systems for finishing doors, moldings, trim, and other interior woodwork projects that do not require significant moisture resistance. This is a preferred system for light or natural stains, as well as most applications that require a topcoat system with low color and exceptional clarity. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
<p>WCL275-0090 Gloss</p> <p>WCL275-0060 Semi-Gloss</p> <p>WCL275-0020 Dull</p> <p>WCL275-0010 Flat</p>	<p>Viscosity: 16-18 #2 Zahn</p> <p>Weight Solids: 19.68%</p> <p>Volume Solids: 14.45%</p> <p>Weight/Gallon: 7.76 lb./gal</p> <p>Coverage: 231 sq. ft. per gallon at one mil dry film thickness.</p> <p>VOC (coating): 2.258 lb./gl. or 270 g/l</p> <p>VOC (material): 0.48 lb./gl. or 57.61 g/l</p> <p>VOC Ratio: 0.31 lbs. VOC/lb. solids</p> <p>HAPS Ratio: Zero lb. HAPS/lb. solids</p> <p>Dry Times:</p> <p>Air Dry: at 78°F, relative humidity 50%</p> <p>To touch: 5 minutes</p> <p>To Handle: 15 minutes</p> <p>To sand/recoat: 30 minutes</p> <p>Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.</p> <p>Dry Film Thickness:</p> <p>Total DFT for the complete coating system should not exceed 5 mils.</p> <p>Pot Life: N/A</p> <p>Shelf Life: 24 months @77° F if unopened and stored in a cool dry area. Always rotate stock.</p> <p>Storage: 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>Reduction:</p> <p>This product is supplied ready to spray. No thinning is recommended.</p> <p>Approved Companion Products</p> <p>WCL275SS-0100 Water Clear Sealer</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> ➤ Low VOC ➤ Zero HAPs ➤ Spray Viscosity ➤ High Quality ➤ Non Photo Chemically Reactive ➤ Phthalate Free 		

February, 2023

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PRODUCT DATA SHEET WCL275-00XX SERIES CONTINUED



Substrate preparation:

New wood: Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. Sand wood 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:

Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 45 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag.

This product should be used in conjunction with WCL275SS-0100, 275 VOC Water Clear Lacquer Sealer for best results. We recommend a coating system comprised of one coat of sealer applied at 3-4 mils wet film build and 2 coats of topcoat applied at 3-4 mils wet film build. Maximum dry film thickness of the complete system must not exceed 5 dry mils.



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-0020 Acetone, or SOL-9032 Zero VOC 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.