



GEMINI
COATINGS

PRODUCT DATA SHEET

550 VOC WATER CLEAR LACQUERS

DESCRIPTION

These lacquers are formulated with state-of-the-art, clear, extremely color stable resins and are modified with UV absorbers to ensure long-term color stability. This is a preferred system for any interior wood surface, such as trim, decorative woodwork, and furniture, where clarity and color stability over light or natural stains are required. For chemical and water resistance, refer to Gemini's High Performance Series of Coatings. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
500-0060 Gloss (90°) 500-0061 Semi-Gloss (50°) 500-0062 Satin (25°) 500-0063 Flat (10°)	<p>Viscosity: 17-19 #2 Zahn Weight Solids: 21.4-22 % Volume Solids: 15.1-15.4 % Weight/Gallon: 7.3-7.4 lbs./gal Coverage: 243-248 sq. ft. per gallon at one mil dry film thickness.</p> <p>VOC (coating): 4.53-4.57lbs./gl. Or 543-548 g/l VOC (material): 1.82 lbs./gl. or 218 g/l VOC Ratio: 1.11-1.15lbs VOC/lbs. solids HAPS Ratio: 0.27-0.28 lbs. HAPS/lbs. solids</p> <p>Dry Times: Air Dry: at 78°F, relative humidity 50% To touch: 7 minutes To Handle: 30 minutes To sand/recoat: 40 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: <i>The total DFT for the complete coating system should not exceed 4 mils.</i></p> <p>Shelf Life: 12 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: Thinning: This product is supplied ready to spray. Thinning is not recommended.</p> <p>Retarder: 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>Note: 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>Approved Companion Products 200-0013 550 VOC Water Clear Sealer</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> ➤ Ready To Spray ➤ 550 VOC Compliant ➤ HAPs Compliant ➤ Specifically Formulated For Clarity ➤ Exceptional Clarity, Contains UV Absorbers ➤ Non- Photo Chemically Reactive ➤ Phthalate Free 		



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PRODUCT DATA SHEET 500-006X SERIES CONTINUED



Substrate preparation:

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

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 40 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag.

Typically we recommend a coating system comprised of one coat of 200-0013 Water Clear Lacquer 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 4 dry mils.



Recommended Tip Sizes:

Conventional Air	1.3-1.8mm
HVLP	1.3-1.8mm
Airless	10-15 thousandths
Air Assisted Airless-	11-15 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.