



PRODUCT DATA SHEET

275 VOC White Lacquer

DESCRIPTION

400-12XX series has been formulated with the highest quality resins, and provides excellent durability, superior hardness, and abrasion resistance. This pigmented lacquer was designed for finishing doors, moldings, trim, and other interior woodwork projects that do not require significant moisture resistance. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
400-1290, Gloss 400-1260, Semi-Gloss 400-1230, Satin 400-1220, Dull 400-1210, Flat	<p>Viscosity: 23 #2 Zahn Weight Solids: 44.5 % Volume Solids: 25 % Weight/Gallon: 8.93 lb./gal Coverage: 394 sq. ft. per gallon at one mil dry film thickness.</p> <p>VOC (coating): 2.23-2.29 lb./gl. or 266-274 g/l VOC (material): 0.7750-0.07819 lb./gl. or 92-93 g/l VOC Ratio: 0.25-0.27 lb. VOC/lb. solids HAPS Ratio: Zero lb. HAPS/lb. solids</p> <p>Dry Times: Air Dry: at 78°F, relative humidity 50% To touch: 7 minutes To Handle: 15 minutes To sand/recoat: 30-45 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: Maximum DFT for the complete system must not exceed 4 dry mils.</p> <p>Pot Life: N/A</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>Reduction: This product is supplied ready to spray. No thinning is recommended.</p> <p>Tinting: This series is designed to be tinted up to 4 oz. per gallon (3% by volume) using 844 colorants*. Never tint with Universal Colorants that contain Glycol.</p> <p>*The State of California regulates the VOC content of colorant in specific areas and for specific uses. Tinting this material may result in increasing the VOC levels of this product. Always use an approved colorant that is compliant in your area, and refer to your local regulations before tinting.</p> <p>Approved Companion Products</p> <p>400-1200 275 VOC White Lacquer Sanding Sealer</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>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> ➤ 275 VOC Compliant ➤ HAPs Free ➤ Ready To Spray ➤ Excellent Film Build And High Profile Appearance ➤ Non Photo Chemically Reactive ➤ Phthalate Free ➤ Short Filled For Easy Tinting And Controlled For Tint Strength 		

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PRODUCT DATA SHEET 400-12XX 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 same as new wood.



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 30 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag. This product should be sanded in between coats.

This product should be used in conjunction with 400-1200 White Lacquer Sanding Sealer for best results. We recommend a coating system comprised of one coat of 400-1200 applied at 3-4 mils wet film build and 1-2 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	1.3-1.8 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.