



High Solids Lacquers

DESCRIPTION

The High Solids Lacquer Series has been formulated ready to spray, thus a high build, high quality finish is achieved in fewer coats than most lacquer systems. **Not intended for use over light or natural stains where clarity and non-yellowing are critical. For entry-level yellowing resistance, see the 160 series Water Clear Lacquers.** For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
179 Gloss (90°) 180 Semi-Gloss (55°) 181 Rubbed Effect (25°) 183 Dead Flat (10°)	<p>Viscosity: 32-38 #4 Ford Weight Solids: 27% Volume Solids: 21% Weight/Gallon: 7.7 lbs/gal Coverage: 336-342 sq. ft. per gallon at one mil dry film thickness.</p> <p>VOC (coating): 5.625-63 lb./gl. or 671-674 g/l VOC (material): 5.6 lb./gl. or 668-671 g/l VOC Ratio: 2.71-2.75 lb. VOC/lbs Solids HAPS Ratio: 1.41-1.43 lb. HAPS/lb. Solids</p> <p>Dry Times: Air Dry: at 78°F, relative humidity 50% To touch: 8 minutes To Handle: 20 minutes To sand/recoat: 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: <i>The total DFT for the complete coating system should not exceed 3 mils.</i></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: Thinning: Reduction is not necessary for airless spray. If needed due to job conditions use SOL-500 Lacquer Thinner at levels not to exceed 13 oz (10% by volume)*</p> <p>Retarder: If a slower dry time is desired, or to prevent blushing in humid weather use SOL-0061 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</p> <p>178 High Solids Lacquer Sealer</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> ➤ High Solids ➤ Supplied at spray viscosity ➤ High Quality ➤ AIM Compliant ➤ Phthalate Free 		

Revised: November 17th, 2017

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PRODUCT DATA SHEET HIGH SOLIDS CLEAR 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 choice and allow dry per the instructions on the Product Data Sheet for that particular stain. Do not apply over a stain tinted with a Universal Tinting Color. Universal Tinting Colors are not compatible with lacquer products and may discolor or slow the dry and cure of subsequent coats. Using conventional, HVLP, airless, or air assisted equipment, apply this product at 4-5 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. Typically we recommend a coating system comprised of one coat of the recommended lacquer sealer applied at 3-4 mils wet film build and 2 coats of lacquer topcoat applied at 4-5 mils wet film build.



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.