



PRODUCT DATA SHEET

Premium White Waterborne Lacquer

DESCRIPTION

Gemini's Premium White Waterborne Lacquer is a single component, high solids waterborne coating containing low levels of solvent allowing for reduction in VOCs and HAPs. This pigmented system can be used as an introductory performance coating in areas where extreme water and chemical resistance are not necessary. It has good hardness and durability, is water clear, and has good resistance to yellowing. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
WB-1490 Gloss WB-1460 Semi-Gloss WB-1430 Satin WB-1410 Flat	Viscosity: 30-35 #3 Zahn @ 77° F Weight Solids: 46.5-47.7 % Volume Solids: 33.3-34.3 % Weight/Gallon: 10.3-10.5 lbs./gal Coverage: 534.6-549.5 sq. ft. per gallon at one mil dry film thickness. VOC (reg./coating): 1.39-1.42 lbs./gl. or 167-170.9 g/l VOC (act/material): .57-.6 lbs./gl. or 69-71.9 g/l HAPS Ratio: 0.0 lbs. HAPS/lbs. Solids Dry Times: Air Dry: at 78° F, relative humidity 50% To touch: 10-15 minutes To handle: 25-35 minutes To sand/recoat: 45 minutes Stackable: 24 hours Force Dry: Flash: 10 minutes Bake: 30 min @ 105° F Cool down: 10 min Stack: 4-6 hours Shelf Life: 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock. Storage: Keep away from heat or sparks. Protect product from freezing. Airless Equipment Usage: Due to the nature of this product, when used in airless equipment that is not a stainless steel system; pumps require daily flushing and cleaning. Do not leave product in the system overnight as discoloration can take place due to reaction between the coating and non-stainless metals.	Reduction*: Reduction is not recommended. However, if necessary, water should be used for reduction. Very little water is needed to reduce viscosity, typically no more than 5% by volume. Retarder*: If a slower dry time is desired, use SOL-0090, at levels not to exceed 5%. *Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning. Approved Companion Products WBP-1102 <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>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> ➤ Low Odor ➤ Quick Dry ➤ Quick Stack Time ➤ Excellent Film Building Properties ➤ Excellent Flow and Leveling ➤ Minimum Grain Raise ➤ Good Moisture And Chemical Resistance ➤ Low VOC ➤ HAPs Free ➤ Formaldehyde Free ➤ Phthalate Free 		

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PRODUCT DATA SHEET WB-14XX 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 same as new wood.



Mixing Instructions:

Mix thoroughly before use. **DO NOT SHAKE!** 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. This product must be sanded in between coats to ensure proper adhesion.

This product may be used with a primer or as a self seal system.

If a primer is desired, we recommend a coating system comprised of two coats of an approved primer (please see the Approved Companion Products section of this document), applied at 3-4 mils wet film build and 1 coat of topcoat applied at 3-4 mils wet film build. If used as a self seal system we recommend 2-3 coats of WB-14XX series. **Maximum dry film thickness of the complete system must not exceed 4 dry mils.**

This product must not be polluted with oil, solvent based paint or the like and should not be applied to metal surfaces. When applying a water base coating the air, substrate & coating temp should be above 65 degrees F and the humidity should be less than 65%. Increased air flow and/or drying temperatures, including the use of infrared lighting for cure will significantly decrease dry times.



Recommended Tip Sizes:

Conventional Air	1.8 mm
HVLP	1.7-1.9 mm
Airless	8-10 thousandths
Air Assisted Airless-	9-11 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 water to clean all equipment when material is in a liquid stage. Use 2:1 mixture of water and Butyl Cellosolve (SOL-0061) to remove semi-dried coating. Use Acetone to remove dried coating. 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.