



PRODUCT DATA SHEET

NEXUS 550 VOC Clear Pre-catalyzed Lacquers

DESCRIPTION

Gemini's PC550-00XX Series is a 550 VOC compliant, extremely user friendly pre-catalyzed lacquer designed for professional wood finishers. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS		COATING PROPERTIES	PREPARATION INSTRUCTIONS
PC550-0060	Semi-Gloss	Viscosity: 19 #4 Ford Weight Solids: 33.9-34.6 % Volume Solids: 25.2-25.6 % Weight/Gallon: 7.7-7.7 lbs./gal Coverage: 404-407 sq. ft. per gallon at one mil dry film thickness. VOC (coating): 4.2-4.24 lbs./gl. or 503-508g/l VOC (material): 2.67-2.69 lbs./gl. or 320.5-322g/l VOC Ratio: 1.02-1.05 lbs. VOC/lbs. solids HAPS Ratio: 0.15-0.158 lbs. HAPS/lbs. solids Dry Times: Air Dry: at 78°F, relative humidity 50% To touch: 8 minutes To Handle: 20 minutes To sand/recoat: 45 minutes Force Dry: Flash: 8-10 minutes Bake: 15 @110°F minutes Cool down: 10 minutes Stack: 1 hour after cool down 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. Dry Film Thickness: The total DFT for the complete coating system should not exceed 4 mils. Pot Life: N/A 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.	Catalyzation: This product comes pre-catalyzed. Do NOT add catalyst. Reduction: Thinning: This product is supplied ready to spray. Thinning is not recommended. 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)* Note: Effective dry times will be lengthened if retarder is added VOC after adding recommended retarder amount is less than 550 grams per liter. *Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning. Approved Companion Products PCS550-0100 550 VOC Pre-cat Sealer
PC550-0030	Satin		
PC550-0010	Flat		
PRODUCT ADVANTAGES			
<ul style="list-style-type: none"> ➤ 550 VOC ➤ HAPs Compliant ➤ Extremely Durable ➤ Ready to Spray ➤ Self Sealing ➤ Meets KCMA Requirements When Applied To Manufacturer Specifications ➤ Non Photo Chemically Reactive ➤ Phthalate Free 			

February, 2023

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PRODUCT DATA SHEET PC550-00XX 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 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 45 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag. This product must be sanded in between coats to ensure proper adhesion.

This product may be used with a sealer or as a self-seal system. If a sealer is desired, we recommend a coating system comprised of one coat of a companion sealer (please refer to the Approved Companion Products section of this document) applied at 3-4 mils wet film build, and 1-2 coats of topcoat applied at 3-4 mils wet film build. If used as a self-seal system we recommend 2-3 coats of PC550-00XX series. 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	1.5-1.8 mm
Airless	10-13 thousandths
Air Assisted Airless-	11-13 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.