



PRODUCT DATA SHEET

NEXUS 275 VOC White Pre-catalyzed Lacquer

DESCRIPTION

The PCW275-10XX series is a high quality, white pre-catalyzed lacquer formulated for 275 VOC applications. These products are catalyzed at the factory and exhibit excellent chemical and moisture resistance. All products in this series pass the performance requirements established by the Kitchen Cabinet Manufacturers Association (KCMA). For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
PCW275-1090 Gloss PCW275-1060 Semi-Gloss PCW275-1030 Satin PCW275-1010 Flat	Viscosity: 16-18 #2 Zahn Weight Solids: 32.82-33.24% Volume Solids: 19.43-19.66% Weight/Gallon: 8.41-8.44 lb./gal Coverage: 312-315 sq. ft. per gallon at one mil dry film thickness. VOC (coating): 2.28-2.29 lb./gl. or 273-275 g/l VOC (material): 0.67-0.68 lb./gl. or 81 g/l VOC Ratio: 0.24 lb. VOC/lb. solids HAPS Ratio: 0.0 lb. HAPS/lb. solids Dry Times: Air Dry: at 78°F, relative humidity 50% To touch: 10 minutes To Handle: 10 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: Maximum DFT for the complete system must not exceed 4 mils. 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. No thinning is recommended. Approved Companion Products PVSW275-1000 Pre-cat Vinyl Sealer White <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"> ➤ 275 VOC Compliant ➤ HAPs Free ➤ Water And Household Chemical Resistant ➤ Resists Yellowing ➤ Meets KCMA Requirements When Applied To Manufacturer Specifications ➤ Non Photo Chemically Reactive ➤ Phthalate Free 		

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PRODUCT DATA SHEET PCW275-10XX 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 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 in conjunction with a pre-catalyzed lacquer primer, or used as a self seal system. Using a primer will allow for faster dry to sand times. Self sealing will provide maximum durability.

If a primer is desired, we recommend a coating system comprised of one coat of PVS275-1000, 275 VOC White Pre-catalyzed Lacquer Sealer applied at 3-3.5 mils wet film build, and 2 coats of topcoat applied at 3-4 mils wet film build.

If used as a self seal system we recommend 3 coats of PCW275-10XX 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	1.7-1.9 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.