



GEMINI
COATINGS

PRODUCT DATA SHEET

275 VOC WHITE PRECAT VINYL SEALER

110-0212

DESCRIPTION

This product is a high quality, high solids, white pre-catalyzed vinyl lacquer primer. It is virtually HAPs free and has a VOC content below 275 grams per liter. This extremely durable vinyl primer provides excellent build, excellent hide and rapid cure schedules. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS

110-0212

COATING PROPERTIES

Viscosity: 52-56 K.U.
Weight Solids: 45.3%
Volume Solids: 28.6%
Weight/Gallon: 9.11 lbs./gal
Coverage: 459 sq. ft. per gallon at one mil dry film thickness.

PREPARATION INSTRUCTIONS

Reduction:
Thinning: This product is supplied ready to spray for airless application. If needed due to conditions in your facility use SOL-9032 Non-HAPs Non VOC Lacquer Thinner at levels not to exceed 15% by volume*. VOC after recommended reduction is less than 275 grams per liter.

PRODUCT ADVANTAGES

- Low VOC And HAP's Free
- Excellent Build
- Excellent Hide
- Ready To Spray For Airless Application
- Non Photo Chemically Reactive
- Phthalate Free
- Passes KCMA and ASTM Performance Requirements When Applied to Manufacturer's Specifications

VOC (Reg./coating): 2.27 lbs./gl. or 272g/l
VOC (Actual/material): 0.96 lbs./gl. or 115 g/l
VOC Ratio: 0.23 lbs. VOC/lbs. solids
HAPS Ratio: 0.0 lbs. HAPS/lbs. solids

Dry Times:
Air Dry: at 78°F, relative humidity 50%
To touch: 5 minutes
To Handle: 20 minutes
To sand/recoat: 45 minutes

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 slower at colder temperatures and higher humidity.

Dry Film Thickness:
Ideal dry film thickness for this sealer is 1-1.5 dry mils. Maximum DFT for the complete system must not exceed 3 mils.

Pot Life: N/A
Shelf Life: 6 months @77° F if unopened and stored in a cool dry area. Always rotate stock.
Storage: Keep away from heat or sparks.

*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.

Approved Companion Products

410-025X Series 275 VOC White Pre-catalyzed Lacquers



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.

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PRODUCT DATA SHEET 110-0212 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:

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 should be topcoated with our 410-025X Series, 275 VOC white pre-catalyzed lacquers for best results. We recommend a coating system comprised of one coat of 110-0212 applied at 3-4 mils wet film build and 2 coats of topcoat applied at 3-4 mils wet film build. Maximum dry film thickness of the complete system must not exceed 3 dry mils.



Recommended Tip Sizes:

Conventional Air	1.2-1.8mm
HVLP	1.3-1.9mm
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-9032 Non-HAPs Non 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.