



GEMINI
COATINGS

PRODUCT DATA SHEET

275 VOC Precatalyzed Sealer

DESCRIPTION

210-0222, is a high quality pre-catalyzed lacquer sanding sealer designed to be used under Gemini's 275 VOC pre-catalyzed lacquer topcoats. This product is water clear and has been formulated to resist the effects of UV light. In addition, 210-0222 is virtually HAP's free and non-photo-chemically reactive. This product meets or exceeds the performance parameters established by the KCMA and ASTM. For Wood Substrates Only. For Interior Use Only.

PRODUCT NUMBERS / SHEENS

210-0222

COATING PROPERTIES

Viscosity: 16 #2 Zahn
Weight Solids: 18.88 %
Volume Solids: 14.20 %
Weight/Gallon: 7.51 lb./gal
Coverage: 227 sq. ft. per gallon at one mil dry film thickness.

VOC (coating): 2.29 lb./gl. or 274 g/l
VOC (material): 0.49 lb./gl. or 59 g/l
VOC Ratio: 0.35 lb. VOC/lb. solids
HAPS Ratio: 0 lb. HAPS/lb. solids

Dry Times:
Air Dry: at 78° F, relative humidity 50%
To touch: 5 minutes
To Handle: 15 minutes
To sand/recoat: 30 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 should not exceed 3-3.5 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.

PREPARATION INSTRUCTIONS

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

510-027x 275 VOC Precatalyzed Clear Series

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.

PRODUCT ADVANTAGES

- Low VOC And Virtually HAP's Free
- User Friendly
- Excellent Build
- Rapid Cure Schedule
- Excellent Sanding Properties
- Resists Yellowing
- No Additional Catalyst Required
- Non Photo Chemically Reactive
- Phthalate Free
- Passes KCMA and ASTM Performance Requirements When Applied to Manufacturer's Specifications



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PRODUCT DATA SHEET 275 VOC PRECATALYZED SEALER 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 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 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 30 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 510-027x Series, 275 VOC pre-catalyzed lacquers for best results. We recommend a coating system comprised of one coat of 210-0222 applied at 3-4 mils wet film build and 2 coats of topcoat applied at 3-3.5 mils wet film build. Maximum dry film thickness of the complete system must not exceed 3 dry mils.



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-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.