



DESCRIPTION

210-0240 is a high performance, post catalyzed conversion varnish sealer that meets the most stringent VOC regulations. This product has been formulated with only the highest quality resins resulting in an extremely durable coating that exhibits excellent flexibility. This sealer exceeds the performance parameters outlined by KCMA and ASTM. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS

210-0240

COATING PROPERTIES

Viscosity: 16 #2 Zahn
Weight Solids: 41.06%
Volume Solids: 33.51 %
Weight/Gallon: 7.83 lbs./gal
Coverage: 537 sq. ft. per gallon at one mil dry film thickness.

PREPARATION INSTRUCTIONS

Catalyzation:

Use pre-packaged catalyst kit:
For one gallon-short filled to 120 oz. this is equal to 4.06 oz. of C7302 (3.4% by volume). Allow ten minutes for induction.

Reduction/

Thinning: This product is ready to spray (after catalyzation). Thinning is not necessary. For specific application needs use SOL-0020 Acetone, or SOL-9032 Zero VOC Lacquer Thinner at levels not to exceed 5% by volume* Maximum VOC after recommended reduction is 275 g/l.

Retarder: If needed due to conditions in your facility use SOL-9020 Non HAPs/Non VOC Retarder not to exceed 4% by volume*. Maximum VOC after recommended addition of retarder is 275 g/l.

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

Approved Companion Products

550-00XX 275 VOC Premium Conversion Varnishes

PRODUCT ADVANTAGES

- Extremely Low VOC
- HAPs Free
- Ready To Spray Once Catalyzed
- Catalyst Supplied in Pre-Measured Containers
- Water Clear
- Non-Yellowing
- Non Photo Chemically Reactive
- Phthalate Free

VOC (reg./coating): 2.29 lbs./gl. or 275 g/l
VOC (act/material): 1.16 lbs./gl. or 138 g/l
VOC Ratio: 0.33 lbs. VOC/lbs. Solids
HAPS Ratio: Zero lbs. HAPS/lbs. Solids

Dry Times:

Air Dry: at 78° F, relative humidity 50%

To touch: 15 minutes

To handle: 30 minutes

To sand/recoat: 45 minutes

Force Dry:

Flash: 8-10 minutes

Bake: 15 min @ 110° F

Cool down: 15 min

Stack immediately 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: For best results, the DFT for this sealer should be between 1.2 - 2.5 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.

Pot Life: 8 hours @ 77° F in a sealed container.

Shelf Life: 1 year @77° F if unopened and stored in a cool dry area. Always rotate stock.

Storage: Keep away from heat or sparks.

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 210-0240 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. Catalyze 210-0240 with pre-packaged catalyst kit in a stainless steel or plastic lined container. Material should be agitated slowly while mixing in the catalyst. Rinse catalyst bottle with applicable solvent and add to product to ensure the material is properly catalyzed. Mix or agitate thoroughly for ten minutes before use.



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.

Typically we recommend a coating system comprised of one coat of 210-0240 sealer applied at 3-4 mils wet film build and 1-2 coats of conversion varnish topcoat applied at 3-4 mils wet film build. See the Approved Companion Products section of this document for approved topcoats.



Recommended Tip Sizes:

Conventional Air	1.3-1.8mm
HVLP	1.5-1.9mm
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-9020 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.