



275 VOC CONVERSION VARNISH WHITE SANDING SEALER

DESCRIPTION

This 275 VOC Conversion Varnish Primer is a high quality white primer formulated for maximum adhesion, flexibility and moisture resistance. This primer addresses environmental and safety concerns with its extremely low VOC and low HAPs formulation. Designed for use on kitchen cabinets, architectural millwork or any wood surface that requires an extremely durable coating system. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS

150-0014

COATING PROPERTIES

Viscosity: 16-18 #2 Zahn
Weight Solids: 53.24 %
Volume Solids: 37 %
Weight/Gallon: 9.34 lbs./gal
Coverage: 594 sq. ft. per gallon at one mil dry film thickness.

VOC (reg./coating): 2.07 lbs./gl. or 248 g/l
VOC (act/material): 1.1 lbs./gl. or 132 g/l
VOC Ratio: 0.24 lbs. VOC/lbs. Solids
HAPS Ratio: 0.0107 lbs. HAPS/lbs. Solids

Dry Times:
Air Dry: at 78° F, relative humidity 50%
To touch: 12 minutes
To handle: 18 minutes
To sand/recoat: 30 minutes
Force Dry:
Flash: 8-10 minutes
Bake: 15 min @ 110° F
Cool down: 15 minutes
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 primer should be between 1.0- 1.5 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.

Pot Life: 8 hours if maintained in a closed container @ 78°F.

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:
Use pre-packaged catalyst kit:
For one gallon short filled to 119.25 oz. this is equal to 3.75 oz. or 111 mil of C7302 per 119.25 oz. of product or (3.14% by volume)

NOTE: DO NOT add more than the recommended amount of catalyst! This will *not* make the product cure faster or harder and may cause cracking, haziness, gloss issues, and will affect the integrity of the final product.

Reduction:
Important: Always catalyze *BEFORE* reducing!

Thinning: This product is ready to spray (after catalyzation). However, if needed due to conditions in your facility 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

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

Approved Companion Products

450-004X 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

- Extremely Low VOC and Low HAPS
- Short Filled To Allow For Catalyst
- Catalyst Supplied in Pre-Measured Containers
- Passes KCMA and ASTM Chemical Test Requirements When Applied to Manufacturer's Specifications
- Non- Photo-Chemically Reactive
- Phthalate Free
- Passes 7 days ASTM Water Immersion Test D870-92



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PRODUCT DATA SHEET 150-0014 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 150-0014 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:

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 must be sanded in between coats to ensure proper adhesion.

Typically we recommend a coating system comprised of one coat of 150-0014 applied at 3-4 mils wet film build and 1-2 coats of an approved Gemini topcoat. (see approved companion products section). On MDF we recommend two coats (especially on routed areas). Refer to the Product Data Sheet for the topcoat you are using for maximum dry film thickness recommendations.



Recommended Tip Sizes:

Conventional Air	1.0-1.4mm
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-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.