



Gem Coat CV Vinyl Sealer

DESCRIPTION

Gem Coat CV Vinyl Sealer is formulated without nitrocellulose yet offers a very fast dry, easy sanding and excellent UV resistance. This new technology offers the wood finisher the exceptional build, speed and sanding of a lacquer sealer in a high quality, post-catalyzed varnish. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS

250-0009

COATING PROPERTIES

Viscosity: 17 #2 Zahn
Weight Solids: 35.62%
Volume Solids: 27.29%
Weight/Gallon: 7.63 lbs./gal
Coverage: 438 sq. ft. per gallon at one mil dry film thickness.

VOC (reg./coating): 4.73 lbs./gl. or 566 g/l
VOC (act/material): 4.27 lbs./gl. or 512 g/l
VOC Ratio: 1.57 lbs. VOC/lbs. Solids
HAPS Ratio: 0.2389 lbs. HAPS/lbs. Solids

Dry Times:
Air Dry: at 78° F, relative humidity 50%
To touch: 7 minutes
To handle: 12 minutes
To sand/recoat: 20 minutes
Force Dry:
Flash: 10 minutes
Bake: 15 minutes at no more than 110°
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 sealer should be between 1-1.75 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.

Pot Life: 24 Hours @ 77° in a sealed container

Shelf Life: 18 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: This is equal to 3.4 oz. C7302 per 124.6 oz short filled gallon.

OR optional catalyst: CAT10-0700
100 parts 250-0009 to 8 parts CAT10-0700 (8% by volume, or 10 oz. per full 128 oz gallon).

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 supplied ready to spray (after catalyzation). If needed due to conditions in your facility, use SOL-9059 HAPs Free Reducer or SOL-9011 HAPs Free Thinner at levels not to exceed 5% by volume.*

Retarder: If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 4% by volume.*

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

Approved Companion Products
GemCoat Fast Dry CV Series
GemVar Series
GemClear Series

PRODUCT ADVANTAGES

- Water Clear
- UV Resistant
- No Nitrocellulose
- High Build
- Easy Sanding
- Fast Cure
- Phthalate Free

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.

March, 2020

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PRODUCT DATA SHEET 250-0009 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 in a stainless steel or plastic lined container at 3.4 ounces per short filled gallon (catalyst is premeasured at the factory). **OR optional catalyst:** 100 parts 250-0009 to 8 parts **CAT10-0700** (8% by volume or 10 oz. per full 128 oz. gallon). Pot life is 24 hours once catalyzed. Agitate slowly while mixing catalyst into sealer and continue mixing for 15-20 minutes. Reduction should only occur after product has been catalyzed.



Application:

If staining, apply the approved Gemini Stain of your choice and allow dry following the instructions on the Product Data Sheet for that product. This sealer may be applied by conventional, HVLP, airless or air-assisted airless equipment. Apply sealer at 3-4 wet mils and allow at least 20 minutes dry time before sanding. Sand using 280-320 grit sandpaper and remove sanding dust with clean compressed air or lint free tack rag. This product must be sanded prior to top coating to ensure proper adhesion. **Note that most airless equipment fluid sections are not stainless steel, be sure to flush your equipment daily after application of this or any post catalyzed product.**

We recommend a finish system of one coat of sealer and two coats of an approved topcoat with a total maximum dry film build equal to that detailed on the topcoat Product Data Sheet.



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-9011 Non HAPs Thinner or SOL-9059 HAPs Free Reducer to clean up all equipment. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.