



## Gem Coat Fast Dry Clear Conversion Varnish System

If you are looking for speed, build, and long term performance, Gemini's latest clear conversion varnish finishing system is an easy choice. Our 250-0009 Conversion Varnish Sealer offers very fast dry, high build, easy sanding, and excellent UV resistance. This fresh technology offers the wood finisher the exceptional speed and sanding of a lacquer sealer in a high quality, post-catalyzed varnish sealer. GemCoat Fast Dry Conversion Varnish topcoat is a superior quality water clear conversion varnish, that exhibits an exceptionally fast cure time. It is an excellent choice for use on kitchen and bathroom cabinetry, architectural millwork, and any other interior woodwork surface that demands superior durability, UV stability, water resistance, and chemical resistance.

### *Gem Coat High Solids Conversion Varnish Sealer*

- Excellent Build
- Water Clear
- UV Resistant
- Ready To Spray (once catalyzed )
- No Nitrocellulose
- Super-Fast Cure Time
- Easy Sanding

### *Gem Coat Clear Fast Dry Conversion Varnish*

- Super-Fast Cure Time
- Ready To Spray (once catalyzed )
- Ultra-Low Formaldehyde
- Water Clear
- Excellent UV Resistance
- No Nitrocellulose
- Self- Sealing
- Quick Stackability



Gemini "The Professional's Choice"  
is a Division of Gemini Industries

for more information regarding Gemini "The Professional's Choice"

800.262.5710 or visit [www.gemini-coatings.com](http://www.gemini-coatings.com)

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PRODUCT DATA SHEET		
High Solids Conversion Varnish Sealer		
DESCRIPTION		
<p>GemCoat Conversion Varnish 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.</p>		
PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
250-0009	<p>Viscosity: 17 #2 Zahn  <b>Weight Solids:</b> 35.62%  <b>Volume Solids:</b> 27.29%  <b>Weight/Gallon:</b> 7.63 lbs./gal  <b>Coverage:</b> 438 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (reg./coating):</b> 4.73 lbs./gal. or 566 g/l  <b>VOC (act/material):</b> 4.27 lbs./gal. or 512 g/l  <b>VOC Ratio:</b> 1.57 lbs. VOC/lbs. Solids  <b>HAPS Ratio:</b> 0.2389 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78° F, relative humidity 50%                      To touch: 7 minutes                      To handle: 12 minutes                      To sand/recoat: 20 minutes  <b>Force Dry:</b>                      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.</p> <p><b>Dry Film Thickness:</b> 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.</p> <p><b>Pot Life:</b> 24 Hours @ 77° in a sealed container  <b>Shelf Life:</b> 18 Months @ 77° F if unopened and stored in a cool dry area. Always rotate stock.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation:</b>                      3.4 oz. C7302 per 124.6 oz.</p> <p><b>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.</b></p> <p><b>Reduction:</b>  <b>Important:</b> Always catalyze <i>BEFORE</i> reducing!</p> <p><b>Thinning:</b> 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.*</p> <p><b>Retarder:</b> If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 4% by volume.*</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b></p> <p>GemClear Series                      GemVar Series                      GemCoat Fast Dry CV Series</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>• Water Clear</li> <li>• UV Resistant</li> <li>• No Nitrocellulose</li> <li>• High Build</li> <li>• Easy Sanding</li> <li>• Fast Cure</li> <li>• Phthalate Free</li> </ul>		
<p><small>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.</small></p>		

PRODUCT DATA SHEET		
GemCoat Fast Dry Conversion Varnish		
DESCRIPTION		
<p>Gemcoat Fast Dry Conversion Varnish is a superior quality water clear conversion varnish with a fast cure profile. It is an excellent choice for use on kitchen and bathroom cabinetry, architectural millwork, and any other interior woodwork surface that demands superior durability, UV stability, water resistance, and chemical resistance. This product meets or exceeds the performance parameters outlined by KCMA and is 550 VOC compliant. For wood substrates only. For interior use only.</p>		
PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
550-0790 GLOSS 550-0760 SEMI-GLOSS 550-0730 SATIN 550-0720 DULL 550-0710 FLAT 550-0705 DEAD FLAT	<p>Viscosity: 20-24 #2 Zahn  <b>Weight Solids:</b> 38.9-43.4%  <b>Volume Solids:</b> 31.2-34.2%  <b>Weight/Gallon:</b> 8.0-8.2 lbs./gal  <b>Coverage:</b> 500-549.2 sq. ft. per gallon at one mil dry film thickness.  <b>VOC (reg./coating):</b> 4.19-4.4 lbs./gal. or 502-527g/l  <b>VOC (act/material):</b> 3.5-3.7 lbs./gal. or 418-439 g/l</p> <p><b>VOC Ratio:</b> .09-1.15 lbs. VOC/lbs. Solids  <b>HAPS Ratio:</b> .048-.05 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78° F, relative humidity 50%                      To touch: 8-10 minutes                      To handle: 15-20 minutes                      To sand/recoat: 30-35 minutes  <b>Force Dry:</b>                      Flash: 8-10 minutes                      Bake: 15 min @ 110° F                      Cool down: 15 min                      Stack immediately after cool down</p> <p>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.</p> <p><b>Dry Film Thickness:</b> Maximum DFT for a complete system must not exceed 6 dry mils.</p> <p><b>Pot Life:</b> 24 hours @ 77° F in a sealed container.  <b>Shelf Life Un-Catalyzed:</b> 12 months @ 77° F if unopened, and stored in a cool dry area. Always rotate stock.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation:</b>                      Gallon containers-use pre-packaged catalyst kit: This is equal to 11.6 oz. of CAT10-0700 per 116 oz short filled gallon (10% by volume).                      For five gallon pails catalyze using 10 parts 550-07XX to 1 part CAT10-0700 Catalyst (10% by volume)</p> <p><b>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.</b></p> <p><b>Reduction:</b>  <b>Important:</b> Always catalyze <i>BEFORE</i> reducing!</p> <p><b>Thinning:</b> 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.*</p> <p><b>Retarder:</b> If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 4% by volume.*</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b></p> <p>250-0009 HS CV Sealer                      210-0008 Gem Seal Conversion Sealer                      210-0216 FD Precat Vinyl Sealer                      150-0013 White CV Vinyl Primer                      150-0016 HS White CV Primer</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➢ Fast Cure</li> <li>➢ 24 hour pot life</li> <li>➢ Catalyst Supplied in Pre-Measured Containers *For Gallon Size</li> <li>➢ Water Clear</li> <li>➢ Self-Sealing</li> <li>➢ Superb Sanding Properties When Used As A Self-Seal System</li> <li>➢ Excellent UV Resistance</li> <li>➢ Meets Or Exceeds KCMA Requirements When Applied To Manufacturer Specifications</li> <li>➢ 550 VOC Compliant</li> <li>➢ Non Photo Chemically Reactive</li> <li>➢ Phthalate Free</li> </ul>		
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