



# PRODUCT DATA SHEET

## Ultra-Seal Precat Sealer, Clear

### DESCRIPTION

Ultra Seal Precat Sealer is a high quality pre-catalyzed lacquer sealer designed to be used in conjunction with Gemini's pre-catalyzed and UL II Topcoats. Ultra Seal provides rapid cure schedules and exceptional sanding properties. Ultra Seal meets all of the pertinent government regulations regarding emissions and exceeds the performance parameters outlined by KCMA and ASTM. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
210-0215 Clear Sealer	<p><b>Viscosity:</b> 21 #2 Zahn <b>Weight Solids:</b> 22% <b>Volume Solids:</b> 16% <b>Weight/Gallon:</b> 7.54 lbs./gal <b>Coverage:</b> 257 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (coating):</b> 5.67 lbs./gl. or 679 g/l <b>VOC (material):</b> 4.55 lbs./gl. or 545 g/l <b>VOC Ratio:</b> 2.73 lbs. VOC/lbs. solids <b>HAPS Ratio:</b> 0.08 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: 9 minutes To sand/recoat: 15 minutes</p> <p><b>Force Dry:</b> Flash: 8-10 minutes Bake: 15 min @ 110°F Cool down: 10 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.</p> <p><b>Dry Film Thickness:</b> Maximum DFT for this system should not exceed 4 mils dry.</p> <p><b>Pot Life:</b> 12 months</p> <p><b>Shelf Life:</b> 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock.</p> <p><b>Storage:</b> Keep away from heat or sparks. <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>	<p><b>Catalyzation:</b> This product comes pre-catalyzed. Do NOT add catalyst.</p> <p><b>Reduction:</b> <b>Thinning:</b> If needed due to conditions in your facility use SOL-9011 HAPs Free Thinner or SOL-9059 HAPs Free Reducer 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 3% by volume*</p>
<b>PRODUCT ADVANTAGES</b>		<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><b>510-025X Series</b> <b>510-011X Series</b></p>

Updated August 8<sup>th</sup> 2014

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## PRODUCT DATA SHEET 210-0215 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 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 sealer at 3-4 wet mils per coat. Let dry a minimum of 15 minutes. Sand with 280-320 grit no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag. This sealer must be sanded before applying a topcoat.

Typically we recommend a coating system comprised of one coat of 210-0215 applied at 3-4 mils wet film build and 1-2 coats of topcoat applied at 3-4 mils wet film build. Approved topcoats for use with this sealer are our 510-025X and the 510-011X, series. Please refer to the PDS for the topcoat you choose for dry film limitations for the complete system.



### Recommended Tip Sizes:

Conventional Air	1.2-1.8mm
HVLP	1.3-1.5mm
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.

**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.