



### ULTRA SOLIDS CLEAR CONVERSION COATING

#### DESCRIPTION

Ultra Solids Clear Conversion Coating offers the durability of a conversion varnish with the ease of application generally associated with pre-catalyzed lacquers. Formulated with European polymer technology, Ultra Solids offers the high level of durability necessary for today's cabinetry and woodwork. For Wood Substrates Only. For Interior Use Only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
510-0035 Gloss (90°) 510-0036 Semi-Gloss (60°) 510-0037 Satin (30°) 510-0084 Dull (20°) 510-0038 Flat (10°)	<p><b>Viscosity:</b> 22-25 #4 Ford  <b>Weight Solids:</b> 34.21-36.50 %  <b>Volume Solids:</b> 26.22-28.35 %  <b>Weight/Gallon:</b> 7.96-8.01 lb./gal  <b>Coverage:</b> 421-455 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (reg./coating):</b> 4.91-5.07 lb./gl. or 589-608 g/l  <b>VOC (act/material):</b> 4.44-4.57 lb./gl. or 531-547 g/l  <b>VOC Ratio:</b> 1.53-1.69 lb. VOC/lb. solids  <b>HAPS Ratio:</b> 0.0 lb. HAPS/lb. solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78°F, relative humidity 50%  To touch: 8 minutes  To Handle: 20 minutes  To sand/recoat: 60 minutes  <b>Force Dry:</b>  Flash: 8-10 minutes  Bake: 15 @110°F minutes  Cool down: 10 minutes  Stack: 3 hours 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>  <i>Maximum DFT for the complete system must not exceed 4 dry mils.</i></p> <p><b>Pot Life:</b> 60 Days @ 77° F in a sealed container.</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.</p>	<p><b>Catalyzation:</b>  Use pre-packaged catalyst kit:  This is equal to 1.57 oz. of M1111 per 128 oz. of product.  <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!  <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 10% by volume* Max VOC after recommended thinning does not exceed 680 grams per liter.</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>  <b>210-0215</b>  <b>210-0216</b>  <b>210-0008</b></p> <p><i>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.</i></p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ User friendly</li> <li>➤ 60 day pot life!</li> <li>➤ HAPs free</li> <li>➤ Water clear</li> <li>➤ Ultra-low formaldehyde</li> <li>➤ Ultra-high solids</li> <li>➤ Moisture resistant</li> <li>➤ Catalyst supplied in pre-measured containers</li> <li>➤ Exceeds KCMA and ASTM performance requirements when applied to manufacturer's specifications</li> <li>➤ NFPA 255 Class A Rated For Flame Spread Utilizing ASTM E 84 Standard</li> <li>➤ Non photo chemically reactive</li> <li>➤ Phthalate free</li> </ul>		

June, 2020

The following supersedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. **HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER. **CAUTION: DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF THE REACH OF CHILDREN!** BEFORE using this product it is essential that the "Material Safety Data Sheet" describing the product as well as the "Product Label" be reviewed. If your company does not have such information or has any questions, contact the manufacturer.

## PRODUCT DATA SHEET 510-003X SERIES CONTINUED



### Substrate preparation:

**New wood:** Remove any dirt, grease, glue or other contaminants. Moisture content of wood should be 7-9%. Sand raw wood 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. Catalyze Ultra Solids 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 and 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 an approved sealer, applied at 3-4 mils wet film build and 1-2 coats of topcoat applied at 3-4 mils wet film build. Please refer to the Approved Companion Products section of this document for companion sealers.

This product may also be used as a self-seal system. Used as a self-seal system we recommend 2-3 coats applied at 3-4 wet mils per coat. Maximum film build for the entire system must not exceed 4 dry mils.



### 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-9059 Non HAPs Reducer or SOL-9011 Non HAPs 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.