



# PRODUCT DATA SHEET

## 275 VOC CV Deep Tint Base

### DESCRIPTION

CV275TB-0030 is a clear tint base that has been formulated specifically for tinting medium to dark opaque colors. It can either be top-coated with our 275 VOC Clear Conversion Varnish, or may also be used as a stand-alone topcoat. This product has been formulated for use on kitchen and bathroom cabinetry, architectural woodwork, and fine furniture. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
CV275TB-0030 Satin	<p><b>Viscosity:</b> 20-22 #4 Ford  <b>Weight Solids:</b> 52.75%  <b>Volume Solids:</b> 50%  <b>Weight/Gallon:</b> 9.55 lbs./gal  <b>Coverage:</b> 802 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (reg./coating):</b> 2.24 lbs./gl. or 269 g/l  <b>VOC (act/material):</b> 1.67 lbs./gl. or 200 g/l  <b>VOC Ratio:</b> .33 lbs. VOC/lbs. Solids  <b>HAPS Ratio:</b> .00 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78° F, relative humidity 50%            To touch: 12-15 minutes            To handle: 30-35 minutes            To sand/recoat: 1-2 hours  <b>Force Dry:</b>            Flash: 8-10 minutes            Bake: 30 min @ 110° F            Cool down: 15 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 a complete system must not exceed 7 dry mils.</p> <p><b>Pot Life:</b> 24 hours @ 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.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation:</b>            Use pre-packaged catalyst kit: This is equal to 5.75 oz. of C7302 catalyst per 112 oz. (5.13% by volume).</p> <p><b>Tinting:</b>            May be tinted up to 10 ounces per gallon (8% by volume) with Chromaflo 844 colorants. <b>Do not use umber pigments. Never tint with Universal Colorants that contain Glycol.</b></p> <p><b>Fill Level:</b> 112 oz</p> <p><b>Reduction:</b>  <b>Important:</b> Always catalyze <i>BEFORE</i> reducing!</p> <p><b>Thinning:</b> 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</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>            CVP275-1400 Conversion Varnish Primer            CV275-00XX 275 VOC Clear CV</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>➤ Extremely Low VOC</li> <li>➤ HAPs Free</li> <li>➤ AIM Compliant</li> <li>➤ Ultra-Low Formaldehyde</li> <li>➤ Excellent UV Resistance</li> <li>➤ Self-Sealing</li> <li>➤ High Solids</li> <li>➤ Short-filled for the addition of catalyst</li> <li>➤ Short Filled For Tinting</li> <li>➤ Passes 168 Hours ASTM Water Immersion Test D870-92</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> <li>➤ Exceeds KCMA Performance Requirements, When Applied To Manufacturer's Specifications</li> </ul>		

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## PRODUCT DATA SHEET CV275TB-0030 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 with pre-packaged catalyst kit in a stainless steel or plastic lined container. Material should be agitated slowly while mixing in the catalyst. 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 1 to 2 hours. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air, or tack rag. This product must be sanded between coats to ensure proper adhesion.

System option #1-Apply two coats of tinted color following the procedure listed above with proper drying time and sanding in between coats. Apply a final coat of CV275-00XX Clear 275 VOC Conversion Varnish in the desired sheen.

System option #2 (self-seal):

Apply 2-3 coats of tinted color following the procedure listed above with proper drying time and sanding in between coats. Maximum dry film thickness of the complete system **must not exceed 7 dry mils**.



### Recommended Tip Sizes:

Conventional Air	1.3-1.8 mm
HVLP	1.5-1.9 mm
Airless	10-13 thousandths
Air Assisted Airless-	11-13 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-9020 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.