



Gem Coat Clear Tint Base
310-04XX

DESCRIPTION

Gem Coat clear pre-cat tint base has been specifically designed for tinting medium to dark, opaque colors within a pre-catalyzed lacquer finishing system. These tint bases can either be top-coated with our Gem Coat clear pre-cat, or may also be used as a stand-alone topcoat. Recommended for kitchen and bathroom cabinetry, architectural woodwork, and fine furniture. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
310-0430 Satin 310-0410 Flat	<p>Viscosity: 17-20 #4 Ford Weight Solids: 27.83- 27.86% Volume Solids: 20.26-20.69 % Weight/Gallon: 7.72-7.76 lbs./gal Coverage: 325-332 sq. ft. per gallon at one mil dry film thickness.</p> <p>VOC (reg./coating): 5.43-5.46 lbs./gl. or 654-650 g/l VOC (act/material): 4.79-4.82 lbs./gl. or 575-577g/l VOC Ratio: 2.23 lbs. VOC/lbs. Solids HAPS Ratio: 0.086 lbs. HAPS/lbs. Solids</p> <p>Dry Times: Air Dry: at 78°F, relative humidity 50% To touch: 6 minutes To handle: 12 minutes To sand/recoat: 25-30 minutes (depends on color) Force Dry: Flash: 8-10 minutes Bake: 15 @110°F minutes Cool down: 10 minutes Stack: 1 hour 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>Dry Film Thickness: <i>Maximum DFT for a complete system must not exceed 5 dry mils.</i></p> <p>Shelf Life: 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock. Storage: Keep away from heat or sparks.</p>	<p>Catalyzation: This product comes pre-catalyzed. Do NOT add catalyst.</p> <p>Tinting: These bases are designed to accept a maximum of 12.8 oz of Chromaflo 844 colorants per gallon (10% by volume). Over-tinting will cause curing issues and may lead to film failure. Do not use umber colorants. Never tint with Universal Colorants that contain Glycol.</p> <p>Reduction: Thinning: 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*</p> <p>Retarder: If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 5% by volume*</p> <p>Note: Effective dry times will be lengthened if retarder is added</p> <p>Approved Companion Products 510-00XX Pre-cat Lacquers 210-0216 FD Pre-cat Vinyl Sealer 210-0215 Ultra Seal</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"> ➤ Tint To Any Medium/Dark Opaque Color ➤ Short Filled For Easy Tinting (115.2 oz) ➤ Ready To Spray ➤ Excellent Flow And Leveling Properties ➤ Use As Final Topcoat Or Topcoat With Clear ➤ Contains UV Inhibitor ➤ Meets KCMA and ASTM Requirements When Applied To Manufacturer Specifications ➤ Non Photo Chemically Reactive ➤ Phthalate Free 		

March, 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 GEM COAT 310-00XX 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. Tint to desired color with Chromaflo 844 colorants up to 10% by volume. Mix or agitate thoroughly at moderate speed 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 25-30 minutes. 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. This product may be used with a sealer or as a self-seal system.

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 Gem Coat clear pre-cat in the desired sheen.

System Option #2- Apply one coat of a companion sealer (see approved companion products section) applied at 3-4 mils wet film build and 1 coat of tinted color applied at 3-4 mils wet film build. Apply a final coat of Gem Coat clear pre-cat in the desired sheen.

Self-seal system:

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 any of these complete systems must not exceed 5 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 HAPs Free 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.