

ASTERIA Clear Tint Base

DESCRIPTION

ASTERIA Clear Tint Base is a post-catalyzed acid cured topcoat developed for tinting dark colors within the ASTERIA Conversion Varnish System. ASTERIA meets or exceeds the performance parameters outlined by KCMA. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
ACTB-0420 Dull	<p>*Reported values reflect dull sheen</p> <p>Viscosity: 19-23 #2 Zahn Weight Solids: 40.4% Volume Solids: 32% Weight/Gallon: 8.1 lbs./gal Coverage: 513 sq. ft. per gallon at one mil dry film thickness. VOC (reg./coating): 4.37 lbs./gl. or 524 g/l VOC (act/material): 3.6 lbs./gl. or 436 g/l VOC Ratio: 1.1 lbs. VOC/lbs. Solid HAPS Ratio: 0.05 lbs. HAPS/lbs. Solid</p> <p>Dry Times: Air Dry: at 78° F, relative humidity 50% To touch: 8-12 minutes To handle: 20-25 minutes To sand/recoat: 35-45 minutes Force Dry: 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. Dry Film Thickness: Maximum DFT for a complete system must not exceed 6 dry mils.</p> <p>Pot Life: 24 hours @ 77° F in a sealed container.</p> <p>Shelf Life Un-Catalyzed: 18 months @77° F if unopened, and stored in a cool dry area. Always rotate stock.</p> <p>Storage: Keep away from heat or sparks.</p>	<p>Catalyzation: Using CAT10-0700: Mix 100 parts ACTB-04XX to 10 parts CAT10-0700 Catalyst (10% by volume)</p> <p>For gallon containers-Add one pre-measured 10 oz. bottle of CAT10-0700 per short-filled gallon* For 5 gallon pails. Add 50 oz of CAT10-0700 per short-filled pail. *Gallon Fill level is 100 oz., *Five Gallon Fill level is 500 oz.</p> <p>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.</p> <p>Tinting: This product may be tinted up to 12.8 oz per gal with Vibrantz 844 or CCA Opticolor XP colorants. Do not use umber pigments as they may adversely affect cure. Never tint with Universal Colorants that contain Glycol.</p> <p>Reduction: Important: Always catalyze <i>BEFORE</i> reducing! Thinning: 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>Retarder: 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>Approved Companion Products ASTS-0300 ASTERIA Sealer ACVP-8000 ASTERIA Primer/Surfacer ANP-8500 ASTERIA Neutral Primer/Surfacer CVP-1000 PRESIDIO White Vinyl Primer</p>
<p>PRODUCT ADVANTAGES</p> <ul style="list-style-type: none"> ➤ Tint Base For Deep Tone Colors ➤ Ready to Spray Once Catalyzed ➤ Containers Are Short Filled To Allow For The Addition Of Catalyst And Colorant ➤ Excellent UV Resistance ➤ Meets Or Exceeds KCMA Requirements When Applied To Manufacturer Specifications ➤ Non-Photo Chemically Reactive ➤ Phthalate Free <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>		

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PRODUCT DATA SHEET ACTB-0420 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: **PRODUCT MUST BE CATALYZED.**

Mix material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed.

To Catalyze: Material should be agitated slowly while mixing in the catalyst. Mix or agitate thoroughly after adding catalyst before use (5-10 minutes). This product has been short-filled to allow room for catalyst and colorant. Catalyze as follows:

Short filled Gallon: Add 10 oz CAT10-0700 (Use supplied pre-measured bottle) to the short-filled gallon.

Short filled Five Gallon Pails: Add 50 oz of CAT10-0700 to the short-filled pail.

OR:

Mix 100 parts ACTB-04XX to 10 parts CAT10-0700 (10% by volume). This ratio refers to catalyst added to *un-tinted* product.

Mixing Chart (examples for mixing various amounts):

ACTB-04XX	CAT10-0700
100 oz	10 oz
40 oz	4 oz
30 oz	3 oz
10	1 oz



Application:

Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum 35-45 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.

Typically we recommend a coating system comprised of one coat of a Gemini companion conversion varnish sealer or primer applied at 3-5 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 dry film thickness of the complete system **must not exceed 6 dry mils.**



Recommended Tip Sizes:

Conventional Air	1.4-1.8 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-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.