



PRODUCT DATA SHEET

ASTERIA Neutral Primer/Surfacer

DESCRIPTION

ASTERIA Neutral Primer Surfacer is a HAPs free, post-catalyzed, acid cured primer that has been developed for tinting dark colors. It is a preferred primer for finishing MDF due to its high solids content, and excellent filling properties. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
ANP-8500	<p>Viscosity: 26-30" #3 Zahn @77° F</p> <p>Weight Solids: 56.6%</p> <p>Volume Solids: 43.2%</p> <p>Weight/Gallon: 9.4 lbs./gal</p> <p>Coverage: 693 sq. ft. per gallon at one mil dry film thickness.</p> <p>VOC (reg./coating): 3.7 lbs./gal or 443.7 g/l</p> <p>VOC (act./material): 3.3 lbs./gal or 397.4 g/l</p> <p>VOC Ratio: 0.6 lbs. VOC/lbs. solids</p> <p>HAPS Ratio: 0.0 lbs. HAPS/lbs. solids</p> <p>Dry Times:</p> <p>Air Dry: at 78°F, relative humidity 50%</p> <p>To touch: 8 minutes</p> <p>To Handle: 12 minutes</p> <p>To sand/recoat: 25-30 minutes</p> <p>Force Dry:</p> <p>Flash: 8-10 minutes</p> <p>Bake: 15 minutes @ 110° F</p> <p>Cool down: 15 minutes</p> <p>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 slower at colder temperatures and higher humidity.</p> <p>Dry Film Thickness: For best results, the DFT for this primer should be between 1.25-2.5 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.</p> <p>Pot Life: 8 hours @ 77° F in a sealed container</p> <p>Shelf Life: 12 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: Use CAT10-0700</p> <p>Mix 100 parts ANP-8500 to 9.5 parts CAT10-0700 (9.5% by volume)</p> <p>For gallon containers-Add one pre-measured 10 oz. bottle of CAT10-0700 per short-filled gallon</p> <p>For 5 gallon pails. Add 50 oz of CAT10-0700 per short-filled pail.</p> <p>Gallon <i>Fill level</i> is 105 oz.,</p> <p>Five Gallon <i>Fill level</i> is 525 oz.</p> <p>OR use optional catalyst CAT10-0800:</p> <p>10 parts ACVP-8000 to 1 part CAT10-0800 Catalyst (10% by volume)</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:</p> <p>This product may be tinted up to 12.8 oz per gal with Chromaflo 844 colorants. Do not use umber pigments. Never tint with Universal Colorants that contain Glycol.</p> <p>Reduction:</p> <p>Important: Always catalyze <i>BEFORE</i> reducing!</p> <p>Thinning:</p> <p>If viscosity reduction is required for your specific application, we recommend the addition of SOL-9059 HAPs Free Reducer or SOL-9011 HAPs Free Thinner at levels between 5-10% by volume (6-12 oz per gal.)*</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</p> <p>ASTW-10XX ASTERIA White Series</p> <p>AFCVRS-02XX ASTERIA Clear Series</p> <p>UCV-10XX Gemvar White Series</p> <p>UCV-00XX Gemvar Clear Series</p> <p>UL-10XX Ultra Lacquer White Series</p> <p>UL-00XX Ultra Lacquer Clear Series</p>
<p>PRODUCT ADVANTAGES</p> <ul style="list-style-type: none"> ➤ Superb Filling Properties For Finishing MDF ➤ Tint Any Mid To Deep Tone Color ➤ Prime And Apply Color All With One Product ➤ Ready to Spray Once Catalyzed ➤ Fast Dry ➤ Extremely Easy Sanding ➤ Containers Are Short Filled To Allow For Tinting, And The Addition Of Catalyst ➤ Low VOC ➤ HAPs Free ➤ 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 ANP-8500 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 both colorant and catalyst. Tint to desired color and 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 ANP-8500 to 9.5 parts CAT10-0700 (9.5% by volume). This ratio refers to catalyst added to *un-tinted* product.

Mixing Chart (examples for mixing various amounts):

ANP-8500	CAT10-0700
105 oz	10 oz
42 oz	4 oz
21 oz	2 oz
10.5 oz	1 oz



Application: Using conventional, HVLP, airless, or air assisted equipment, apply this product at 4-5 wet mils per coat. Let dry a minimum 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.

Typically we recommend a coating system comprised of two coats of ANP-8500 applied at 4-5 mils wet film build and 1-2 coats of an approved Gemini topcoat (see approved companion products section). Refer to the Product Data Sheet for the conversion varnish topcoat you are using for maximum dry film thickness recommendations.



Recommended Tip Sizes:

Conventional Air	1.8 mm
HVLP	1.9-2.1 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-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.