



INDUSTRIAL WOOD FINISHES

PRODUCT DATA SHEET

ASTERIA White Conversion Varnish

DESCRIPTION

ASTERIA White is a superior performance conversion varnish that has been specifically designed for kitchen and bathroom cabinetry, architectural millwork, and any other interior woodwork which demands superior flexibility, while maintaining excellent UV stability, water, and chemical resistance. ASTERIA White is super high solids and in conjunction with ASTERIA White or Neutral Primer/Surfacers, is the perfect solution for finishing MDF. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS		COATING PROPERTIES	PREPARATION INSTRUCTIONS
ASTW-1090	GLOSS	Viscosity: 26-30 #4 Ford Weight Solids: 60.6-64.6% Volume Solids: 44.8-48.6% Weight/Gallon: 9.8-10.2 lbs./gal Coverage: 718-779.1sq. ft. per gallon at one mil dry film thickness. VOC (reg./coating): 3.5-3.8 lbs./gl. or 423.8-450.9 g/l VOC (act/material): 3.5-3.6 lbs./gl. or 414.2-433.7 g/l VOC Ratio: 0.5-0.6 lbs.VOC/lbs. Solids HAPS Ratio: 0.05-0.058 lbs. HAPS/lbs. Solids Dry Times: Air Dry: at 78° F, relative humidity 50% To touch: 10-12 minutes To handle: 20-30 minutes To sand/recoat: 50-60 minutes Force Dry: Flash: 8-10 minutes Bake:15 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. Dry Film Thickness: Maximum DFT for a complete system must not exceed 7 dry mils. Pot Life: 16 hours @ 77° F in a sealed container. Shelf Life Un-Catalyzed: 12 months @77° F if unopened, and stored in a cool dry area. Storage: Keep away from heat or sparks.	Catalyzation: Using CAT10-0700: Mix 100 parts ASTW-10XX to 11 parts CAT10-0700 Catalyst (11% by volume) For gallon containers-Add one pre-measured 11.6 oz. bottle of CAT10-0700 per short-filled gallon For 5 gallon pails. Add 58 oz of CAT10-0700 per short-filled pail. *Gallon Fill level is 106 oz., Five Gallon Fill level is 530 oz. Tinting: This product may be tinted up to 6 oz per gal with Chromaflo 844 colorants. Do not use umber pigments. Never tint with Universal Colorants that contain Glycol. 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. 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 10% by volume.* Retarder: If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 4% by volume.* *Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning. Approved Companion Products ACVP-8000 ASTERIA Primer/Surfacer ANP-8500 ASTERIA Neutral Primer/Surfacer CVP-1000 PRESIDIO White Vinyl Primer AFCVRS-00XX ASTERIA Clear CV UCV-00XX Gemvar Clear CV
ASTW-1060	SEMI-GLOSS		
ASTW-1030	SATIN		
ASTW-1020	DULL		
ASTW-1010	FLAT		
PRODUCT ADVANTAGES			
<ul style="list-style-type: none"> ➤ Super High Solids ➤ No Reduction Needed ➤ Excellent UV Resistance ➤ Superior Flexibility ➤ Excellent Resistance To Metal Marking ➤ Exceptional Water And Chemical Resistance ➤ Containers Are Short Filled To Allow For Tinting, And The Addition Of Catalyst ➤ Exceeds KCMA Performance Requirements When Applied To Manufacturer's Specifications ➤ Low VOC ➤ Low HAPs ➤ Non Photo Chemically Reactive ➤ Pthalate 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 ASTW-10XX 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 11.6 oz CAT10-0700 (Use supplied pre-measured bottle) to the short-filled gallon.

Short filled Five Gallon Pails: Add 58 oz of CAT10-0700 to the short-filled pail.

OR:

Mix 100 parts ASTW-10XX to 11 parts CAT10-0700 (11% by volume). This ratio refers to catalyst added to *un-tinted* product.

Mixing Chart (examples for mixing various amounts):

ASTW-10XX	CAT10-0700
128 oz	14 oz
100 oz	11 oz
27 oz	3 oz
9 oz	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 of 50-60 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.

On wood substrates we recommend a coating system comprised of one coat of primer applied at 4-5 mils wet film build and 1-2 coats of topcoat applied at 4-5 mils wet film build. On MDF we recommend two coats of primer (especially on routed areas) applied at 4-5 mils wet film build and 1-2 coats of topcoat. Please refer to the Approved Companion Products section of this document for a list of companion primers.

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 7 dry mils.**



Recommended Tip Sizes:

Conventional Air	1.4-1.8mm
HVLP	1.9-2.1mm
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-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.