



# PRODUCT DATA SHEET

## EVO® Eclipse White Topcoat/Tint Base

### DESCRIPTION

ECLIPSE White, is a technologically advanced waterborne topcoat for interior woodwork that functions both as a white topcoat and tint base. It exhibits excellent durability as a single pack product, and ECLIPSE's dual cross-linking technology gives the finisher the ability to further increase durability and chemical resistance by adding an optional hardener. Uses: Kitchen and bathroom cabinetry, architectural millwork, furniture, and shutters. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
ECLWT-0160 Semi-Gloss ECLWT-0130 Satin ECLWT-0120 Dull ECLWT-0110 Flat  Base 1	<b>Viscosity:</b> 25-35 #4 ZAHN <b>Weight Solids:</b> 38.5-39.7% <b>Volume Solids:</b> 28.6-30% <b>Weight/Gallon:</b> 9.6 lbs./gal <b>Coverage:</b> 459-481 sq. ft. per gallon at one mil dry film thickness.  <b>VOC (reg./coating):</b> 1.7-1.8 lbs./gl. or 208-215.7 g/l <b>VOC (act/material):</b> 0.67 lbs./gl. or 80.5 g/l <b>VOC Ratio:</b> 0.18 lbs. VOC/lbs. Solids <b>HAPS Ratio:</b> 0.0 lbs. HAPS/lbs. Solids  <b>Dry Times:</b> <b>Air Dry:</b> at 78° F, relative humidity 50% To touch: 10-15 minutes To handle: 25-35 minutes To sand/recoat: 60 minutes Stackable: 24 hours <b>Force Dry:</b> Flash: 10 minutes Bake: 30 min @ 105° F Cool down: 10 min Stack: 4-6 hours  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.  <b>Dry Film Thickness:</b> Maximum DFT for a complete system must not exceed 8 dry mils.  <b>Shelf Life:</b> 18 months @77° F if unopened and stored in a cool dry area. Always rotate stock. <b>Storage:</b> Protect product from freezing.  <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>	<b>To use as a Bi-Component product (optional):</b> Add EWH5 Hardener @ 5-10% by weight or volume (6-12 oz per gallon) and mix thoroughly. Pot life: 1-2 hours depending on temperature. NOTE: Adding hardener will increase the gloss by approximately 3-5 degrees. Adding hardener will also slow the speed of cure slightly.  <b>To add Anti Microbial protection (optional):</b> Add EAM1 @ 2% by weight or volume and mix thoroughly. <b>Max VOC after addition of EWH5 and EAM1 at recommended amounts is &lt;275 gpl.</b>  <b>Tinting*:</b> This product may be tinted up to 4 oz per gal* and is compatible with the following colorants: Chromaflo 896, 895, CCA NovoColor HP II, Dunn Edwards ZTC, and PPG HS**  <i>*Fill level is 124 oz.</i> <i>** Due to variances and characteristics in colorants manufactured by third parties, Gemini <b>does not warrant</b> any final color resulting from the use of colorants. It is strongly recommended that the end-user test for final color prior to application.</i> <b>Reduction/Thinning*:</b> Reduction is not necessary but may be required for certain types of application, equipment, or if the EWH5 hardener is added. Use water for reduction. Very little water is needed to reduce viscosity, typically no more than 5-10%% by volume.  <b>Retarder:</b> To improve flow and leveling or to assist with coalescing at lower temperatures, use SOL-0090 at levels not to exceed 4% by volume (5 oz per gallon). Maximum VOC when adding retarder as specified is < 275 grams per liter.  <b>Approved Companion Products</b> ECLWP-1000 Eclipse Primer ECL-00XX Eclipse Topcoats
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"><li>➤ EVO® ECLIPSE Dual Cross-Linking Technology</li><li>➤ Add Optional Hardener For Maximum Durability</li><li>➤ Add Optional Anti-Microbial Protection That Lasts For The Lifespan Of The Coating</li><li>➤ Green, Low Odor Finish For Use In Shop Or On Site With No Smell</li><li>➤ Fast Dry-Dries Like Solvent Based Coatings</li><li>➤ Short Filled Base Controlled For Tint Strength</li><li>➤ Excellent Build And Hiding Power</li><li>➤ Smooth Silky Appearance</li><li>➤ Meets KCMA Performance Requirements, When Applied to Manufacturer's Specifications.</li><li>➤ Passes 21 Days Of Edge Soak</li><li>➤ Passes 14 Days ASTM Water Immersion Test D870-92</li><li>➤ HAPs Free</li><li>➤ Formaldehyde Free</li><li>➤ Phthalate Free</li><li>➤ NFPA 255 Class A Rated For Flame Spread Utilizing ASTM E 84 Standard</li></ul>		

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## PRODUCT DATA SHEET ECLWT-01XX SERIES 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/re-finishing:** Best practice is to strip old finishes completely and remove all contaminants from the surface. For previously finished surfaces such as old lacquer, good results can be obtained following this procedure-Degrease, clean, and dry surface. Sand with 220-280 grit sandpaper and clean or blow off sanding dust. Apply new finish. Test sample for adhesion and compatibility before proceeding with more expansive work.



### Mixing Instructions:

Mix material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed. If using hardener add EWH5 @ 5-10% (6-12 oz per gallon) by weight or volume and mix thoroughly. Pot life after adding hardener is 1-2 hours max. Adding the hardener will thicken material slightly and may require reduction with water depending on your spray equipment.

For Anti Microbial protection add EAM1 @ 2% by weight or volume (2.5 oz per gallon). Mix or agitate thoroughly 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 60 minutes. Sand with 280-320 grit, no-fill sandpaper and remove sanding dust with clean compressed air. This product must be sanded in between coats to ensure proper adhesion.

Typically we recommend a coating system comprised of 1-2 two coats of ECLWP-1000 primer applied at 4-5 wet mils per coat and 1-2 coats ECLWT-01XX applied at 3-4 wet mils. If used as a self-seal system we recommend 2-3 coats of ECLWT-01XX applied at 3-4 wet mils per coat. **Maximum dry film thickness of the complete system must not exceed 8 dry mils.**

This product must not be polluted with oil, solvent based paint or the like and should not be applied to metal surfaces. Application and drying conditions must be at temperatures of 60°F or above and at a humidity of less than 75%. Increased air flow and/or drying temperatures, including the use of infrared lighting for cure will significantly decrease dry times.



### Recommended Tip Sizes:

Conventional Air	1.8-2.0 mm
HVLP	1.9-2.2 mm
Airless	8-10 thousandths
Air Assisted Airless-	9-11 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:

All containers used in conjunction with storage and/or application of this product should be stainless steel or plastic to avoid rust.

### Clean up:

Use water to clean all equipment when material is in a liquid stage. Use 2:1 mixture of water and Butyl Cellosolve (SOL-0061) to remove semi-dried or dried coating. 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.