



# PRODUCT DATA SHEET

## EVO® Eclipse Mid-Tone Base

### DESCRIPTION

ECLIPSE MID-TONE BASE, is a technologically advanced waterborne topcoat for interior woodwork designed to tint medium tone colors. 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 the 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
ECLMT-0230    Satin ECLMT-0220    Dull  <b>Base 2</b>	<b>Viscosity:</b> 25-35 #4 ZAHN <b>Weight Solids:</b> 35.3-37.9% <b>Volume Solids:</b> 25.6-28.6% <b>Weight/Gallon:</b> 9.5-9.6 lbs./gal <b>Coverage:</b> 410.6-458.7 sq. ft. per gallon at one mil dry film thickness.  <b>VOC (reg./coating):</b> 1.8-1.95 lbs./gl. or 214.6-233.2 g/l <b>VOC (act/material):</b> .67 lbs./gl. or 79.8-80.5 g/l <b>VOC Ratio:</b> 0.18 0.2 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.  <	

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## PRODUCT DATA SHEET ECLMT-02XX 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 ECLMT-02XX applied at 3-4 wet mils. If used as a self-seal system we recommend 2-3 coats of ECLMT-02XX applied at 3-4 wet mils per coat. May also be over-coated with clear Eclipse topcoat.

**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.