



# PRODUCT DATA SHEET

## Premium White Waterborne Primer

### DESCRIPTION

WBP-1102 is a single component waterborne primer designed to dry fast and have excellent sanding properties. For wood substrates only. For interior use only.

| PRODUCT NUMBERS / SHEENS   | COATING PROPERTIES  | PREPARATION INSTRUCTIONS   |
|--|---|--|
| WBP-1102   | <p><b>Viscosity:</b> 20-25 #3 ZAHN<br/> <b>Weight Solids:</b> 49.1%<br/> <b>Volume Solids:</b> 32.6%<br/> <b>Weight/Gallon:</b> 10.97 lbs./gal<br/> <b>Coverage:</b> 523 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (reg./coating):</b> .98 lbs./gl. or 118.4 g/l<br/> <b>VOC (act/material):</b> .36 lbs./gl. or 44.3 g/l<br/> <b>VOC Ratio:</b> 0.068 lbs. VOC/lbs. Solids<br/> <b>HAPS Ratio:</b> 0.0 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b><br/> <b>Air Dry:</b> at 78° F, relative humidity 50%<br/>           To touch: 8-10 minutes<br/>           To handle: 15-20 minutes<br/>           To sand/recoat: 30-45 minutes<br/> <b>Force Dry:</b><br/>           Flash: 10 minutes<br/>           Bake: 30 min @ 105° F<br/>           Cool down: 10 min<br/>           Stack: 4-6 hours</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.</p> <p><b>Dry Film Thickness:</b> To optimize performance, the ideal DFT for this primer should be between 1-1.3 mils. Please refer to the PDS for the specific topcoat you are using for maximum allowable DFT for the complete system.</p> <p><b>Shelf Life:</b> 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock.<br/> <b>Storage:</b> Protect product from freezing.</p> | <p><b>Reduction/Thinning*:</b> Reduction is not necessary but may be required for certain types of application equipment. Use water for reduction. Very little water is needed to reduce viscosity, typically no more than 5-10% by volume.</p> <p><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 &lt; 275 grams per liter.</p> <p><b>* Airless Equipment Usage:</b></p> <p><b>**Due to the nature of this product, when used in airless equipment that is not a stainless steel system; pumps require daily flushing and cleaning. Do not leave product in the system overnight as discoloration can take place due to reaction between the coating and non-stainless metals. **</b></p> <p><b>Approved Companion Products</b><br/>           WB-14X0 Series</p> |
| <p><b>PRODUCT ADVANTAGES</b></p> <ul style="list-style-type: none"> <li>➤ Excellent Hiding power</li> <li>➤ Excellent Sanding Properties</li> <li>➤ Quick Dry And Stack Times</li> <li>➤ Durable, Moisture Resistant Film</li> <li>➤ LOW Odor</li> <li>➤ LOW VOC</li> <li>➤ HAPs Free</li> <li>➤ Meets KCMA Performance Requirements When Applied To Manufacturers Specifications</li> </ul> |   |  |

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## PRODUCT DATA SHEET CONTINUED WBP-1102



### 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:

Mix thoroughly before use. **DO NOT SHAKE!** Material may be mixed by hand or mechanical agitation at moderate speed.



### Application:

Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 30-45 minutes. Sand with 240-280 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 WBP-1102 applied at 3-4 mils wet film build and 1 coat of WB-14X0 series topcoat applied at 3-4 mils wet film build. **Maximum dry film thickness of the complete system must not exceed 4 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 64°F or above and at a humidity of less than 65%. 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 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:

We supply this material in a plastic or 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 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 coating. Use Acetone to remove 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.