




GEMINI
COATINGS

PRODUCT DATA SHEET

Titanium Clear Waterborne Sealer
WBS-0100

DESCRIPTION

This product is an acrylic modified single component water-based coating that is designed to be used as a universal sealer for use with our Titanium waterborne topcoats. It contains low levels of solvent, allowing for reduced VOCs. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
WBS-0100	<p>Viscosity: 45"-50" #2 Zahn @ 77°F</p> <p>Weight Solids: 37.95%</p> <p>Volume Solids: 35.7%</p> <p>Weight/Gallon: 8.47 lbs./gal</p>	<p>Reduction: Reduction may be required for certain types of application. Water should be used for reduction, not to exceed 15% by volume.</p>
PRODUCT ADVANTAGES	<p>VOC (Act./material): .89 lb./gl. or 106.6 g/l VOC (Reg./coating) 1.9 lb./gl. or 223.7 g/l HAPs: .0473</p> <p>Coverage: 343 sq. ft. per gallon at one mil dry film thickness</p> <p>Dry Time: Tack free in 10-15 minutes, sand in 20-30 minutes. <i>(Note: relative humidity and temperature will affect dry time)</i></p> <p>Shelf Life: 12 months in a properly sealed container. Always rotate stock.</p> <p>Protect product from freezing.</p> <p>* Airless Equipment Usage:</p> <p>**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. **</p> <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>	<p>Approved Companion Products WB-02X0 Series WPC-00X0 Series WUM-00X0 Series WUC-00X0 Series</p>
<ul style="list-style-type: none"> ➤ Durable, Fast Drying ➤ Moisture, Household Chemical and Mar Resistant ➤ Meets KCMA Performance Requirements  <p>Complies With LEED IEQ Credit 4.2</p>		

Revised October 26, 2015

The following supersedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. **HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER. **CAUTION: DANGER! FLAMMABLE! VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. INJURIOUS TO EYES. KEEP OUT OF THE REACH OF CHILDREN!** BEFORE using this product it is essential that the "Material Safety Data Sheet" describing the product as well as the "Product Label" be reviewed. If your company does not have such information or has any questions, contact the manufacturer.

PRODUCT DATA SHEET WBS-0100 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:

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



Application:

A test panel for adhesion checks must be prepared if not using a Gemini manufactured stain. **If using this system over oil based stains, WBS-0100 must be used as a seal coat before application of the topcoat.**

Using conventional, HVLP, airless, or air assisted equipment, apply this product at 3-4 wet mils per coat. Let dry a minimum of 20-30 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 one to two coats of WBS-0100 applied at 3-4 mils wet film build and 1 coat of an approved companion 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	1.4-1.8mm
HVLP	1.5-1.8mm
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 water to clean all equipment when material is in a liquid stage. 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.