



PRODUCT DATA SHEET

ColorTools Clear WB Stain Base

DESCRIPTION

ColorTools WBSB-0100 Clear Waterborne Stain Base is a high-quality stain base that can be matched to create an endless array of colors. Uses: Wood surfaces, kitchen cabinets, restaurant and store fixtures, furniture, and fine architectural woodwork. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS

WBSB-0100 Clear WB Stain Base

COATING PROPERTIES

Viscosity: N/A
Weight Solids: 5.3% +/- 1.0%
Volume Solids: 4.5% +/- 1.0%
Weight/Gallon: 8.4 lbs.

Coverage: 250-400 sq. ft. per gallon depending on application method

VOC (coating): 2.02 lbs./gl. or 243 g/l
VOC (material): 0.13 lbs./gl. or 15 g/l
VOC Ratio: 0.28 lbs. VOC / lbs. Solids
HAPS Ratio: 0.0 lbs. HAPs / lbs. Solids

Dry Times:
Air Dry: at 78°F, relative humidity 50%
 To touch: 10 minutes
 To coat: 30 minutes

Force Dry:
 Flash: 8-10 minutes
 Bake: 10 minutes @ 125°F
 Cool down: 15 minutes

Stain must be dry before applying sealer. 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: N/A

Pot Life: N/A

Shelf Life: 12 months @ 77°F if unopened and stored in a cool dry area. Always rotate stock.

Storage: Protect product from freezing.

PREPARATION INSTRUCTIONS

Catalyzation: This product does not use catalyst. Do NOT add catalyst.

Reduction:
Thinning: This product is supplied ready to use. No thinning is recommended.

Retarder: This product is supplied ready to use. No thinning is recommended.

Note:
 *Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.

Approved Companion Products

ColorTools WC-01xx WB Colorants
 EVO Eclipse
 EVO Ray
 Sirca Waterborne Products
 Gemini Pre-Catalyzed Lacquers
 Gemini Conversion Varnishes

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.

PRODUCT ADVANTAGES

- Easy to Apply by Brush, Spray, Wipe, and Dip Application
- Use as Wipe or Spray-No Wipe
- Can be Finished with Many Solvent or Water Based Finishes
- Fast Dry Times
- PFAS/PFOS/PFOA Free
- Very Low VOC
- Low to No Grain Raise
- Non-Flammable
- Will Not Spontaneously Combust
- Excellent Clarity and Grain Definition
- Rich Colors
- Low Odor

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PRODUCT DATA SHEET WBSB-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 material thoroughly before and during use. Material may be mixed by hand or mechanical agitation at moderate speed.



Application:

Always test the stain for color and appearance before starting a job. Intermix containers of the same color. This stain may be applied by spray, brush, wipe, dip. When spraying, set the air pressure as low as possible typically 12-15 psi. If the air pressure is set too high, it may cause the stain to dry prematurely. Apply an even wet coat. Leave the stain on the surface for 1-3 minutes before wiping (dwell time). While the stain is still wet, remove the excess with a clean, lint free cloth by working the stain into the wood with a circular motion. Finish by wiping the stain clean, with the grain of the wood. Color depth will vary depending on how the wood is sanded, and how long the stain is left on the surface before wiping. If the stain is wiped before the recommended dwell time, the result will be a lighter color. For best results, allow the same amount of dwell time on each piece you are staining. After a minimum of 30 minutes dry time, finish with an approved Gemini coating system. **The water must be evaporated from the stain before a sealer is applied.** Air flow and heat are the best way to shorten the dry time.

For spray-no wipe application:

Typically spray no wipe stains are designed to be applied in two passes. The first pass is applied against the grain and the final pass with the grain. This is especially important when spraying raised panel doors. To achieve an even color across the surface, apply each coat so that the grain is lightly wet. Do NOT spray the stain too dry as this will result in an uneven, patchy, and opaque appearance. Overlap a minimum of 50-75%. If the color is not dark enough after two passes the color strength will need to be adjusted. After 30 minutes of dry time, finish with an approved Gemini coating system.



Precautions:

These products are intended for Professional use only. Do not proceed if you are planning on mixing with other finishing systems or other manufacturers' products. Gemini will not be held liable for finish failures due to the improper use of our products or deviation from our finishing recommendations.

Safety Data Sheets are available from your Gemini sales or Customer Service representative. Prior to use of this product, obtain and review the Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels.

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 80/20 mixture of water and Butyl Cellosolve (SOL-0061) to remove semi-dried coating. Clean with Acetone to remove dried coating. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.