

Low Solids Waterborne Spray Stain Base

TECHNICAL DATA SHEET

PRODUCT NUMBER

LWS2700

COMPANION PRODUCTS

Zenith™ Waterborne Colorants
 Graintone Plus Universal Dye Concentrates
 Zenith™ Waterborne Lacquer
 Zenith™ Waterborne Pre-catalyzed Lacquer
 Zenith™ Waterborne Conversion Varnish

DESCRIPTION/USES

Zenith™ Waterborne Spray Stain Base is a fast drying, direct-to-wood, low solids interior stain base that is specially formulated to highlight and enhance the natural beauty of all types of wood. This is a spray-no wipe stain base. Wiping is not necessary or recommended. This is a neutral base used to formulate custom color spray stains using approved colorants. It has very little odor, cleans up with water, and has minimal grain raise. Formulated for use in all general interior wood finishing including furniture, molding, doors, paneling, and kitchen and bathroom cabinetry. This product is designed for professional application only. For Wood Substrates Only.

PRODUCT ADVANTAGES

- Tint any custom color
- Short filled containers for easy tinting
- Achieve an even color on maple, birch, etc
- HAPs free/Ultra-Low VOC
- Very low odor
- Water cleanup

APPLICATION FEATURES

- Superior penetration control
- Very little grain raise
- Fast dry to recoat time

PRECAUTIONS

These products are recommended for professional application and are designed for interior use only. Always pre-test the system on your substrate and under your line conditions to verify suitability to the application and to avoid potential need for costly refinishing. Valspar Wood Finishes products are designed to protect and enhance the natural beauty of wood, but cannot eliminate natural discoloration or deterioration of wood as it ages.

Additional notes:

Do not mix with other finishing systems or deviate from these finishing recommendations. Valspar will not be held liable for finish failures resulting from the mixing of products or deviations from finishing recommendations.

PHYSICAL PROPERTIES (objective specifications)

Viscosity: N/A
Weight Solids: 8.87%
Volume Solids: 7.92%
Weight/Gallon: 8.26 lbs/gal
Theoretical Coverage: 127.0 ft/gal @ 1 mil dry
Flash Point: 1°F Closed Cup

Air Quality Information:

VOC: .03 lbs/gal of Product
 Material VOC 3.6 g/per liter of Material
 AIM VOC: 46.1 g/l
 VOC Ratio: .04 (lbVOC/lb solid)
 VHAP: 0.0 lb VHAP/lb solid-HAPs Free
 Photochemically Reactive: No

Dry Times (78°F, 50%RH):

Air Dry

To Touch/Handle: 15 minutes
 To Recoat: 30-60 minutes

Force Dry

To Flash: 5-8 minutes
 To Bake: 15 minutes @ 130°F
 Cool Down: 10 minutes ambient air

Shelf life: 2 years from the manufacturing date

Reduction: No thinning is recommended.

Application Equipment:

Apply by spray only, using Conventional Air, or HVLP equipment. Use only equipment with plastic, stainless steel, or Teflon coated valves and parts.

Recommended tip sizes:

Conventional Air .055-.086
 HVLP .055-.086

Note: All information provided is typical (as formulated) and will not represent exact values for every product. For specific Air Quality Data for each product, VOC reports are available upon request.

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.

FINISHING RECOMMENDATIONS

SURFACE PREPARATION

General: Surface must be clean and dust free with moisture content of 6-8% prior to finishing. Remove all dirt, dust, wax and wood marks. Proper sanding and preparation of the wood is critical to achieving consistent results.

New Wood: Finish sand surface (150-180 grit) and remove all sanding dust.

Painted or Varnished Wood: Remove all paint or varnish then follow new wood instructions.

MIXING

Before using, mix product by hand, or if using mechanical agitation such as an air mixer or drill, mix at slow to moderate speed until there is no material on the bottom of the container. If tinting, colorants must be mixed in with a shaker or mechanical agitation such as an air mixer or drill.

APPLICATION

General: Always pre-test the system on your substrate to verify suitability of the application.

Tinting:

This product is designed to be tinted with approved high quality industrial waterborne colorants such as Zenith™ Waterborne Colorants or Valspar's Graintone Plus Universal Dye Concentrates (check with your Valspar Distributor for other approved tints). Maximum tint load is 9 oz per gallon (7% by volume). Colorants must be mixed in completely with mechanical agitation before use. Always test the stain for appearance in an inconspicuous area (or scrap sample of the same type of wood) before using. Intermix containers of the same color. Stir well before use and frequently during use. Only one box coat is recommended. Apply stain by spray only. Apply an even, medium-wet coat, and let dry without wiping. Let dry completely before applying topcoat.

DRYING TIME:

Dries to touch in 15 minutes. Stains are dried for sealing in approximately 30-60 minutes depending on color and tint load.

Do not apply if the material or substrate temperature is below 60°F.

This product is best applied when surface, material, and air temperatures are between 60-100°F and when relative humidity is below 50% during application and drying time. Low temperatures, poor air circulation, or high humidity will extend dry times. Abnormal conditions of temperature or humidity may adversely affect product performance.

CLEAN-UP

Clean equipment with warm water. If coating has dried, acetone may be required to remove dried film. Keep container closed when not in use to avoid skinning. Do not transfer contents to other containers for storage or disposal. In case of spillage, absorb with inert material such as sand or kitty litter. Dispose of empty cans or unused portion in accordance with local state and federal regulations.

STORAGE

Store in a cool, dry place. **DO NOT FREEZE!** Product should be stored in temperatures between 50°-110°F. Close all containers after use. Do not store near heat or sparks. Spills should be cleaned up with non-sparking tools. [See the product MSDS for complete safety information.](#)

WARNING

Always pre-test the system on your substrate and under your line conditions to verify suitability to the application and avoid potential need for costly refinishing. All dry times listed are as tested under ideal indoor environmental conditions of 78°F (26°C) with relative humidity not exceeding 50%. These products are recommended for use under temperature conditions of 60-100°F (16-38°C) and when relative humidity is below 50% during application and drying time. Low temperatures, poor air circulation or high humidity will extend dry times. **Valspar strongly recommends against use of these products if temperatures of air, material, or surface to be coated are below 60°F (16°C) or below the dew point. Abnormal conditions of temperature or humidity may adversely affect product performance.** Please contact your authorized Valspar Wood Finishes distributor for additional product use recommendations and finishing guidance.

MSDS AND CPDS SHEETS AVAILABLE UPON REQUEST