

# LWS0750

## Zenith Waterborne Low VOC Wiping Stain Base



Date: March 20, 2019 (supersedes all previous revisions)



### GENERAL INFORMATION

Zenith™ Waterborne Low VOC Wiping Stain Base is a fast drying, direct-to-wood interior stain base that is specially formulated to highlight and enhance the natural beauty of all types of wood. It is a neutral base used to formulate custom wiping stains. It may also be used to reduce the color strength of Zenith™ Waterborne Wiping Stains (LWS0751-LWS0760). It has very little odor, and grain raise is minimal. This product is designed for professional application only. For Wood Substrates Only.



### 1. PRODUCTS

- LWS0750



### 2. MIXING RATIO

- Stir thoroughly, do not shake



### 3. SHELF LIFE @ 77°F (25°C)

- 24 months from manufacturing date



### 4. 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



### 5. SURFACE PREPARATION

- Surface must be clean and dust free with a moisture content of 6-8% prior to finishing. Remove all dust, dirt, wax and wood marks. Proper sanding and preparation of the wood is critical to achieving consistent results.
- On new wood, finish sand surface with 150-180 grit sandpaper
- On previously finished wood, remove all old paint or varnish and follow new wood procedure.



### 6. COMPANION PRODUCTS

- Zenith™ Waterborne Wiping Stains LWS075X Series
- Zenith™ Waterborne Colorants
- Zenith™ Waterborne Pre-Catalyzed Lacquer
- Zenith™ Waterborne Conversion Varnish
- Zenith™ Waterborne Sealer



### 7. TECH NOTES

- No thinning is recommended. Retarder: If needed to slow dry time, use Zenith™ Waterborne Retarder YXT0700 at a rate of 1-2% (1.2-2.5 oz per gl.) max.\* Max VOC after recommended addition of retarder is 250 g/l or 2.1 lbs per gl.



### 8. SUBSTRATES

- Commonly used furniture and cabinetry woods
- MDF/HDF

**NOTE:** Not to be used on exterior applications



### 10. APPLICATION

- See application notes for detailed instructions.



### 11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Dry to touch	20 - 30 Minutes
Flash between coats	45-60 Minutes
To Stack	



### 12. FORCE DRY

Flash	5-8 Minutes
Bake	15 Minutes @ 130°F
Cool Down	10 Minutes ambient
Stack	



### 13. GUN SET UP

Gravity Feed	1.6 mm - 1.8 mm
Siphon Feed	1.8 mm - 2.0 mm
Airless	10 - 15 thousandths
Air-Assisted Airless	11 - 15 thousandths



### AIR PRESSURES

Gravity Feed	30-35 psi (2.0-2.4 bar)
Siphon Feed	35-40 psi (2.4-2.8 bar)
Air-Assisted Airless	5-10 psi (0.3-0.7 bar)

See spray gun manufacturer data for more information



### 14. PHYSICAL DATA

Viscosity	N/A
Weight Solids %	33.64%
Volume Solids %	29.1%
Actual VOC	0.24 lbs/gal of Product
VOC Ratio (lb.voc/lb.solids)	0.08 (lbVOC/lb solid) <sup>1</sup>
Regulatory VOC (less water and exempt solvents)	90.47 g/l
Weight Per Gallon	8.9 lbs/gal <sup>1</sup>
Flash Point	202°F Closed Cup
Theoretical Coverage	466.76 ft/gal @ 1 mil dry
VHAP (lb.HAP/lb.solids)	0.0 lb VHAP/lb solid-HAPs Free
Photochemically Reactive	No
Coating Category	Clear



### Application Notes:

#### Tinting:

**This product is designed to be tinted with approved, high quality industrial waterborne colorants such as Zenith™ High Performance Waterborne colorants or Valspar's Universal Dye Concentrates (check with your Axalta Distributor for other approved tints).** Maximum tint capacity is 12 oz per gallon (9.4% by volume) in a short filled container. Maximum tint load if mixing a custom stain from scratch is 19 oz per gallon (15% 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. Apply stain by spray, brush or lint-free cloth. Apply an even, wet coat. While product is still wet (approximately 1-3 minutes) wipe off in a circular motion, working the stain into the wood pore. Finally, wipe clean with the grain of the substrate. **DO NOT LEAVE THIS PRODUCT ON THE SUBSTRATE WITHOUT WIPING!** These stains penetrate quickly. There is no need to leave them on the substrate longer than a few minutes. Only one coat is recommended.

#### DRYING TIME:

Dry touch: 20-30 minutes.

Dry to recoat: 45-60 minutes (depending on ambient conditions).

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.

#### 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. Axalta Industrial Wood Coatings 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. Axalta will not be held liable for finish failures resulting from the mixing of products or deviations from finishing recommendations.

#### 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. **Axalta 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 Axalta Industrial Wood Coatings distributor for additional product use recommendations and finishing guidance.