

Zenith High Performance Waterborne Colorants



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



GENERAL INFORMATION

Axalta's Zenith™ High Performance Waterborne Colorants are highly specialized colorants designed for tinting interior Zenith™ products. They provide brightness and depth of color than cannot be achieved with typical water based colorants. Used in Zenith™ wipe and spray stain bases, they provide outstanding stain colors with excellent clarity and definition. They are also ideal for tinting waterborne sealers and topcoats to make custom toners/shaders. These colorants are designed for tinting purposes only, and are not designed to be used directly on wood without first adding to an approved stain or coating. For Wood Substrates Only.



1. PRODUCTS

- WXR0016-Red WXA0023- Black
- WXY0014- Yellow WXW0025- White



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. ADDITIVES

- Use only in approved bases at the recommended levels (See reverse side of this document)



6. 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.



7. COMPANION PRODUCTS

- Zenith™ Waterborne Wiping Stain and Glaze Bases
- Zenith™ Waterborne Spray Stain Base
- Zenith™ clear sealers and topcoats



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	N/A
Flash between coats	N/A
To Stack	N/A



12. FORCE DRY

Flash	N/A
Bake	N/A
Cool Down	N/A
Stack	N/A



13. GUN SET UP

Gravity Feed	
Siphon Feed	
Airless	
Air-Assisted Airless	

AIR PRESSURES

Gravity Feed	
Siphon Feed	
Air-Assisted Airless	
See spray gun manufacturer data for more information	



14. PHYSICAL DATA

Viscosity	N/A
Weight Solids %	24.88-55.0%
Volume Solids %	16.79-27.22%
Actual VOC	1.61-1.9 lbs/gal of Product
VOC Ratio (lb.voc/lb.solids)	.24-.89 (lbVOC/lb solid) ¹
Regulatory VOC (less water and exempt solvents)	368.69-496 g/l
Weight Per Gallon	8.37-12.41 lbs/gal ¹
Flash Point	70.9-77°F Closed Cup
Theoretical Coverage	N/A
VHAP (lb.HAP/lb.solids)	.05-.08 lb VHAP/lb solid
Photochemically Reactive	No
Coating Category	Clear

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Application Notes:

Zenith™ High Performance Waterborne Colorants are formulated for use in tinting the following Zenith™ bases

LWS1000- Zenith™ Waterborne Wiping Stain Base:
Maximum tint load is 15% or 19 oz per gl.

LWS0750- Zenith™ Waterborne Low VOC Wiping Stain Base: Maximum tint load is 15% or 19 oz per gl.

LWS4750- Zenith™ Waterborne Glaze Base: Maximum tint load is 15% or 19 oz per gl.

LWS2700- Zenith™ Waterborne Spray Stain Base:
Maximum tint load is 7% or 9 oz per gl.

LWS7700- Zenith™ Waterborne UV Stain Base: Maximum tint load is 6% or 8 oz per gl.

Zenith™ clear sealers and topcoats-To make a toner/shader: Maximum tint load is 5% or 7oz per gl.

Colorants should be mixed into the base for a minimum of 5-8 minutes with a mechanical agitator to make sure the colorant has fully dispersed.

Additions of these colorants in quantities greater than recommended above may directly affect the adhesion of the sealer or topcoat. These colorants will affect dry times differently. Coatings formulated at the same concentration but with different colors can vary in behavior under similar application conditions All products and application procedures should be pre-tested (before use) fully to verify adhesion and prevent costly refinishing. If color drift, flocculation (kick out) of pigment or pigment float is an issue, immediately discontinue use and contact your Valspar Wood Finishes representative for additional assistance with the desired application.

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.