

# VWS4600

## Graintone Plus™ Wiping Stain Base-250 VOC HAPs Free



Date: August 31, 2017 (supersedes all previous revisions)



### GENERAL INFORMATION

Axalta's VWS4600 Wiping Stain Base is a direct to wood, interior low VOC solvent borne stain base specially formulated to highlight and enhance the natural beauty of all types of wood. It is easy to apply and when tinted with approved colorants, offers intense, rich color tones and outstanding uniformity of appearance. This product can be tinted with both dyes and pigments to achieve dark, rich color tones, and the containers are short filled for greater ease in tinting. For Wood Substrates Only.



### 1. PRODUCTS

- VWS4600



### 2. MIXING RATIO

- All products should be stirred well before use and, for best results, continuously agitated while in use.



### 3. SHELF LIFE @ 77°F (25°C)

- 48 months unopened



### 4. CLEAN UP

- Solvent or lacquer soaked rags should be stored in water-filled, closed containers prior to disposal.



### 5. ADDITIVES



### 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

- Luster Lac™ Professional and Premium Lacquers
- Amarium™ Pre-catalyzed Lacquers
- Ultraguard™ Conversion Varnishes
- Graintone Plus Dye Concentrates (VDS102X series)
- Opticolor SC Colorants



### 8. TECH NOTES

- No thinning is recommended.



### 9. SUBSTRATES

- Commonly used furniture and cabinetry woods
- MDF/HDF

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



### 10. APPLICATION

- Apply stain by spray, brush, or lint free cloth. Apply an even, wet coat. While product is still wet (approximately 1-5 minutes) wipe off in a circular motion, working the stain into the wood. Finally, wipe clean with the grain of the substrate. **DO NOT LEAVE THIS PRODUCT ON THE SUBSTRATE WITHOUT WIPING.** Only one coat is recommended



### 11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Dry to touch	15-30 Minutes
Flash between coats	2-4 Hours
To Stack	Not Recommended

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### 12. FORCE DRY

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

### 13. GUN SET UP

Gravity Feed	1.2 mm - 1.4 mm
Siphon Feed	1.2 mm - 1.4 mm
Airless	9 - 11 thousandths
Air-Assisted Airless	9 - 11 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 %	11.89%
Volume Solids %	12.0%
Actual VOC	1.85 lbs/gal of Product
VOC Ratio (lb.voc/lb.solids)	0.31 lb VOC/lb solid
Regulatory VOC (less water and exempt solvents)	222 g/l
Weight Per Gallon	8.07 lbs/gal
Flash Point	10°F Closed Cup
Theoretical Coverage	483.3 ft/gal @ 1 mil dry
VHAP (lb.HAP/lb.solids)	0.03 lb VHAP/lb solid
Photochemically Reactive	No
Coating Category	Pigmented



### Application Notes:

#### General:

Always pre-test the system on your substrate to verify suitability of the application. Tinting-The Clear Base is designed to be tinted with approved, high quality industrial colorants (check with your Axalta Distributor for approved tints). Maximum tint capacity is 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 1-5 minutes) wipe off in a circular motion, working the stain into the wood. Finally, wipe clean with the grain of the substrate. **DO NOT LEAVE THIS PRODUCT ON THE SUBSTRATE WITHOUT WIPING.** Only one coat is recommended.

#### Drying Time:

**Graintone Plus 250 VOC Wiping Stain Base require a minimum of 2-4 hours dry time. Stain must be thoroughly dry before sealing with approved Axalta Industrial Wood Finishes sealer or topcoat system.**

Do not apply if the material or substrate temperature is below 55°F.

This product is best applied when surface and air temperatures are between 55°-90° F (~12-32°C) and when relative humidity is below 50% during application and drying time.

#### Clean Up:

Refer to your local regulations for compliance requirements for cleaning solvents. Dispose of dirty solvent and cleaning rags in a safe and compliant manner. Solvent or lacquer soaked rags should be stored in water-filled, closed containers prior to disposal.

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### 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.