

# AUW710X

## Ultraguard™ White Conversion Varnish



Date: January 11, 2019 (supersedes all previous revisions)



### GENERAL INFORMATION

Axalta's Ultraguard™ White Conversion Varnishes are premium quality two-component white topcoats that have been engineered for high-end cabinet and millwork applications where a superior opaque finish is desired. It is particularly suited for high build systems when used with Axalta's Ultraguard™ White Conversion Varnish Primer.



### 1. PRODUCTS

- AUW7101 – Matte                      AUW7102 - Satin
- AUW7104 – Soft Gloss              AUW7109 - Gloss



### 2. MIXING RATIO

- Catalyzation: 5 oz per gallon (4% by volume) with CXC4000. VOC max catalyzed is 550 g/l. 7.7 oz. (6% by volume) CXC4005. 17 oz. per gallon (13.3% by volume) CXC4010. VOC will exceed 550 g/l using CXC4010. (see reverse for potlife)



### 3. SHELF LIFE @ 77°F (25°C)

- 18 months from manufacturing date



### 4. CLEAN UP

- 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.



### 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

- AUW7000 Ultraguard™ White CV Primer



### 7. TECH NOTES

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



### 8. SUBSTRATES

- Commonly used furniture and cabinetry woods
- MDF/HDF

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



### 10. APPLICATION

- See application notes for additional details.



### 11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Dry to touch	30 Minutes
Flash between coats	35 - 45 Minutes
To Stack	Overnight



### 12. FORCE DRY

Flash	10 Minutes
Bake	15 Minutes @ 140°F
Cool Down	10 Minutes ambient
Stack	After cool down



### 13. GUN SET UP

Gravity Feed	1.6 mm – 2.0 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	10-20 psi (0.7-1.4 bar)
See spray gun manufacturer data for more information	



### 14. PHYSICAL DATA

Viscosity	18-23 sec. #2 Sign Zahn
Weight Solids %	62.8 - 63.5 ±2%
Volume Solids %	44.5 - 45.5 ±2%
Actual VOC	3.8-3.9 lbs/gal of Product
VOC Ratio (lb.voc/lb.solids)	0.60 lb VOC/lb solid
Regulatory VOC (less water and exempt solvents)	450 - 461 g/l*
Weight Per Gallon	10.3 - 10.4 lbs/gal
Flash Point	60 °F Closed Cup
Theoretical Coverage	697 sq ft/gal @ 1 mil dry
VHAP (lb.HAP/lb.solids)	0.24-0.25 lb HAP/lb. solid
Coating Category	White/pigmented

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. Axalta assumes no obligation or liability for use of this information. **UNLESS AXALTA AGREES OTHERWISE IN WRITING, AXALTA 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. AXALTA 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. The information in this sheet, as well as the products referenced herein, shall be considered "Confidential Information". Wet samples and uncured samples of these products shall be maintained as confidential and shall not be disclosed to any third party without the prior written permission of Axalta. IU-COR-00047

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### Application Notes:

All products should be stirred well before use and, for best results, continuously agitated while in use. 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. Sanding should be completed immediately prior to the application of any additional coats.

### Tinting:

This product can be tinted with approved, high quality industrial colorants such as Opticolor XP (Check with your Axalta Industrial Wood Coatings Distributor for other approved colorants). Maximum tint load is 4 oz per gallon (3% by volume). Colorants must be mixed in completely with mechanical agitation before use.

1) **Basecoat:** Apply a basecoat of AUW7000 or other approved basecoat. Refer to Technical Data Sheet for specific instructions. Sand with 280-320 grit steared silicone carbide sandpaper.

2) **Topcoat:** Choose the appropriate sheen from the series and agitate well before applying. While under agitation, catalyze with the appropriate catalyst. Allow 15 minutes for catalyst to stabilize in solution. Reduce AUW710x Series Ultraguard™ White Conversion Varnishes as needed with YTT1009, YXT1003 or other approved reducer. See Additional Notes portion of this document for additional details. See Physical Properties portion of this document for additional details.

Verify the surface is clean and dust free, then apply an even coat of 4 wet mils using conventional, airless, air-assisted or HVLP spray equipment. Check with your spray equipment manufacturer for recommendations on use with conversion varnishes.

If additional coats are required, wait a minimum of 30 minutes between applications. Sand with 320 grit steared, silicon carbide sandpaper before recoating. For best results, apply each pass within four hours of the preceding coat.

**IMPORTANT NOTE:** System's total dry film build should not exceed **4 dry mils**. Primer should be no more than 50% of the total system dry film. A higher build may result in a film breakdown or reduction in performance.

### Clean Up:

Use lacquer thinner to clean equipment. Refer to your local regulations for compliance requirements for cleaning thinners, or use recommended Axalta Lacquer Thinner. 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.

### 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.

**Pot-Life Max.** 24hrs, 8-12hr recommended\*\*

**Reduction:** 5-10% by volume YTT1009 or YXT1003 or other approved reducer.

**Retarder:** Max. 5% by volume YXT1008

### 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 SDS 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.