AUW7222
Ultraguard™ White Conversion Varnish

Date: June 27, 2023(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 higher build systems when used with Axalta's Ultraguard™ White Conversion Varnish Primer. This product has the added advantage of being low in formaldehyde.

1. PRODUCTS

- AUW7222 - Satin

2. MIXING RATIO

- All products should be stirred well before use and, for best results, continuously agitated while in use.
- Catalyzation: 5% CXC4000, 7.5% CXC4005 or 16% CXC4010 by volume.
- Reduction:25-30% YYT1009

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. ADDITIVES

- Add Axalta Lacquer Retarder to extend dry time, max. 5% by volume.

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

- AUW7000 Ultraguard™ White CV Primer
- AUW1040 Ultraguard™ White CV Primer

8. TECH NOTES

- See Additional Notes for catalyzation, reduction and retarder details.

9. 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 - 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	10-20 psi (0.7-1.4 bar)
See spray gun manufacturer data for more information	

14. PHYSICAL DATA

Viscosity	70-75 Kreb Units
Weight Solids %	73.37±2%
Volume Solids %	59.58±2%
Actual VOC	2.90lbs/gal of Product
VOC Ratio (lb.voc/lb.solids)	0.24lb VOC/lb solid
Regulatory VOC (less water and exempt solvents)	348g/l*
Weight Per Gallon	11.27lbs/gal
Flash Point	4°C (~39°F) Closed Cup
Theoretical Coverage	886 sq ft/gal @ 1 mil dry
VHAP (lb.HAP/lb.solids)	2.38lb /gal solid
Coating Category	White/pigmented

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Sensitivity: Business Internal

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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.

1) Basecoat: Apply a basecoat of AUW7000/AUW1040 or other approved basecoat. Refer to Technical Data Sheet for specific instructions. Sand with 280-320 grit stearated silicone carbide sandpaper.

2) Topcoat: If tinting, Axalta recommends the use of Opticolor XP industrial pigments or other approved colorant (Chroma-chem 844, 866 etc) Maximum tint load in a formulation not to exceed 3% by volume or 5% by weight. Choose the appropriate sheen from the series and agitate well before applying. While under agitation, catalyze with chosen catalyst (see pg 1 section 2.) at stated % by volume. Allow 15 minutes for catalyst to stabilize in solution. For best results reduce AUW720x Series Ultraguard™ White Conversion Varnishes 25-30% by volume with YYT1009 or other approved reducer. See Additional Notes portion of this document for additional details. In the event of blushing or blistering, add Axalta Lacquer Retarder to extend dry time. 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 stearated, 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 **5 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.

Catalyzation:	5% CXC4000, 7.5% CXC4005 or 16% CXC4010
Pot-Life Max.	24hrs, 12hr recommended**
Reduction:	25-30% YYT1009 by volume
Retarder:	Max. 5% by volume Axalta Retarder

** Although max pot-life has been established, recommended procedure is to catalyze products for use within a production day (<12hrs)
***As allowable within regulatory compliance requirements

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.

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