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
- AUW7101 - Satin
- AUW7104 - Soft Gloss
- AUW7109 - Gloss

2. MIXING RATIO
- Catalyzation: 5 oz per gallon (4% by volume) with CX4000. VOC max catalyzed is 550 g/l. 7.7 oz. (6% by volume) CX4005. 17 oz. per gallon (13.3% by volume) CX4010. VOC will exceed 550 g/l using CX4010. (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)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry to touch</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Flash between coats</td>
<td>35 - 45 Minutes</td>
</tr>
<tr>
<td>To Stack</td>
<td>Overnight</td>
</tr>
</tbody>
</table>

12. FORCE DRY
- Flash: 10 Minutes
- Bake: 15 Minutes @ 140°F
- Cool Down: 10 Minutes ambient
- Stack: After cool down

13. GUN SET UP

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravity Feed</td>
<td>1.6 mm – 2.0 mm</td>
</tr>
<tr>
<td>Siphon Feed</td>
<td>1.8 mm – 2.0 mm</td>
</tr>
<tr>
<td>Airless</td>
<td>10 - 15 thousandths</td>
</tr>
<tr>
<td>Air-Assisted Airless</td>
<td>11 - 15 thousandths</td>
</tr>
</tbody>
</table>

AIR PRESSURES

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravity Feed</td>
<td>30-35 psi (2.0-2.4 bar)</td>
</tr>
<tr>
<td>Siphon Feed</td>
<td>35-40 psi (2.4-2.8 bar)</td>
</tr>
<tr>
<td>Air-Assisted Airless</td>
<td>10-20 psi (0.7-1.4 bar)</td>
</tr>
</tbody>
</table>

See spray gun manufacturer data for more information

14. PHYSICAL DATA

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

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. IUCOR-00047
AUW710X
Ultraguard ™ White Conversion Varnish

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

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 stearated 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 YYT1009, 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 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 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 YYT1009 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.

*Note: For complete safety information, please refer to your product SDS.

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 Axalta's prior written consent.