AUF710x
Ultraguard™ Neutral CV Topcoat

Date: July 13, 2021 supersedes all previous revisions)

GENERAL INFORMATION

Axalta's Ultraguard™ Neutral CV Topcoat is a premium quality neutral post-catalyzed varnish finish coat formulated to offer superior durability. It is recommended for use over Axalta's Ultraguard™ Primers and is available in a full range of gloss. This coating must be tinted to medium or dark tones for best results. This coating technology has the added benefit of being low in formaldehyde.

1. PRODUCTS

- AUF7101 – Matte
- AUF7102 – Satin
- AUF7104 – Soft Gloss
- AUFC109 - 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. ADDITIVES

- In the event of blushing or blistering, add Axalta YXT1005 Lacquer Retarder to extend dry time. See Additional Notes portion of this document for details.

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

- AUF7000 & AUW7000 Ultraguard™ CV Primers

8. TECH NOTES

- Reduction is necessary, use Axalta YYT1009, YYT1003, YYT1008 or YYT7169 or other approved thinner. See Additional Notes portion of this document for 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 - 35 Minutes
Flash between coats	45 - 50 Minutes
To Stack	12 - 24 Hours

12. FORCE DRY

Flash	15 Minutes
Bake	20 Minutes @ 140°F
Cool Down	15 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	24-29" #2 EZ Zahn at 25°C (~77°F)
Weight Solids %	47.4 – 51.3%
Volume Solids %	39.4 – 41.7%
Actual VOC	4.0 – 4.2 lbs/gal of Prod.
VOC Ratio (lb.voc/lb.solids)	0.9 – 1.1 lb VOC/lb solid
Regulatory VOC (less water and exempt solvents)	484 - 502 g/l VOC
Weight Per Gallon	8.0 – 8.3 lbs/gal +/- 0.2
Flash Point	60°F
Theoretical Coverage	696 ft/gal @ 1 mil dry
VHAP (lb.HAP/lb.solids)	0.00
Coating Category	Neutral

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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:** For best results tint the basecoat or primer to similar color as the AUF710x topcoat. Please refer to the TDS for the appropriate primer being used for tinting instructions as well as catalyzing instructions. Continue agitating and apply the undercoat in one smooth, even application of 3–4 wet mils. Allow a minimum of 30 minutes dry time. Sand with 180–240 grit stearated, silicon carbide sandpaper. For MDF substrates, a second coat and re-sand may be required for complete sealing and to achieve desired coverage.

Reduction is necessary use Axalta YYT1009, YYT1003, YYT1008 or YYT7169 or other approved thinner. See Additional Notes portion of this document for details. In the event of blushing or blistering, add Axalta YXT1005 Lacquer Retarder to extend dry time. See Additional Notes portion of this document for details.

2) **Topcoat:** Choose the appropriate sheen from AUF710x series. AUF710x should be tinted with Opticolor XP or other approved industrial colorants. Maximum levels of tint must not exceed 8% by volume. Agitate AUF710x well prior to use. Continue agitating and catalyze the topcoat with selected catalyst (see front) Reduction required (see additional notes) Continue agitating and apply the topcoat in one smooth, even application of 3–4 wet mils.

IMPORTANT NOTE: System's total dry film build should not exceed **6 dry mils.** 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:	See notes on front of TDS
Pot-Life:	Varies with catalyst selected
Reduction:	Max. 20% by vol. YYT1009 or YXT1003*
Retarder:	Max. 5% by volume YXT1005 or 10% YXT1008

* 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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