

AUF7000

Ultraguard™ Neutral CV Primer

Date: February 2nd 2022 (supersedes all previous revisions)



GENERAL INFORMATION

Axalta's Ultraguard™ Neutral Conversion Varnish Primer is a premium quality neutral post-catalyzed varnish basecoat formulated to offer superior durability and the ability to create dark rich opaque colors. It is recommended for use under Axalta's Ultraguard™ Neutral Conversion Varnish Topcoats. This product has the added benefit of being low in formaldehyde.



1. PRODUCTS

- AUF7000



2. MIXING RATIO

- All products should be stirred well before use and, for best results, continuously agitated while in use.
- Catalyzation: 3% 399-5003 by volume only
- Reduction: 20-30% by vol. YYT7169 or YYT1090/390-7001 thinners



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 390-9303 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

- AUF720x Ultraguard™ Neutral CV Topcoat



8. TECH NOTES

- Reduction is necessary, use Axalta YYT7169 Catalyzed system reducer 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	40 - 45 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	67-72 KU at 25°C (~77°F)
Weight Solids %	55.9% +/- 2
Volume Solids %	41.34% +/- 2
Actual VOC	4.22lbs/gal of Product
VOC Ratio (lb.voc/lb.solids)	0.8lb VOC/lb solid
Regulatory VOC (less water and exempt solvents)	502.37 g/l VOC
Weight Per Gallon	9.58lbs/gal +/- 2
Flash Point	18°C
Theoretical Coverage	525 ft/gal @ 1 mil dry
VHAP (lb.HAP/lb.solids)	0.348lb VHAP/lb solid
Coating Category	Neutral



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:** AUF7000 should be tinted with Opticolor XP, Chroma Flo 866/844 or other approved industrial colorants. Maximum levels of tint must not exceed 8% by weight. Agitate AUF7000 well prior to use. Continue agitating and catalyze the primer 3% by volume with 399-5003 catalyst (see front) Continue agitating and apply the primer in one smooth, even application of 3-4 wet mils. Allow a minimum of 30 minutes dry time. Sand with 180-240 grit steared, silicon carbide sandpaper. For MDF substrates, a second coat and re-sand may be required for complete sealing and to achieve desired coverage. **NOTE:** Use of any umber pigments (raw umber, burnt umber, other) should be avoided where possible or limited at the very least as they are known to inhibit cure on conversion varnish products.

Reduction is necessary for best results use Axalta YYT7169 catalyzed system reducer or 390-7001/YYT1090 Lacquer Thinner. See Additional Notes portion of this document for additional details. In the event of blushing or blistering, add Axalta 390-9303 Lacquer Retarder to extend dry time. See Additional Notes portion of this document for additional details.

2) **Topcoat:** Topcoating should be completed the same day as primer application. If the primer has been allowed to dry overnight, it must be re-sanded to prevent adhesion failure. Choose the appropriate sheen from the selected series. Refer to Technical Data Sheet for detailed use instructions.

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: 3% 399-5003 by volume only
Pot-Life: Max. 24hrs, 12hr recommended*
Reduction: Max. 20-30% by vol. YYT7169 or 390-7001/YYT1090**
Retarder: Max. 5% by volume 390-9303

* Although max pot-life has been established, recommended procedure is to catalyze products for use within a production day (<24hrs)

**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.