

VUC1100

Amarium™ Professional PC Lacquer Undercoat - Neutral



Date: February 2, 2021(supersedes all previous revisions)



GENERAL INFORMATION

Amarium Professional Pre-Catalyzed Undercoat – VUC1100 is a strength controlled, super-premium vinyl basecoat approved for use under Axalta Wood Finishes lacquers, pre-catalyzed lacquers, and conversion varnishes. VUC1100 contains no nitrocellulose, is quick drying, and easy to sand. It is an excellent basecoat for use in creating solid color finishes, especially those that are distressed/rubbed-through and glazed. This product primes and colors all in one step and should be applied directly to the wood substrate. For Wood Substrates Only



1. PRODUCTS

- VUC1100



2. MIXING RATIO

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



3. SHELF LIFE @ 77°F (25°C)

- 18 months, 30 days once catalyzed



4. CLEAN UP

- Solvent or lacquer soaked rags should be stored in water-filled, closed containers prior to disposal.



5. CATALYZATION

- 5.8 oz (170 ml) per gallon CXC4803 (See application notes)



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

- Topcoat with- Amarium™ and Ultraguard™ topcoat systems.



8. TECH NOTES

- Use YYT1009 or YYT0013 up to 15%. Max VOC after recommended addition is 680 g/l or 5.69 lbs per gallon.



9. SUBSTRATES

- Commonly used furniture and cabinetry woods
- MDF/HDF

NOTE: Not to be used on exterior applications



10. APPLICATION

- Apply at a rate of 3-4 wet mils per coat. Remove sanding dust before applying the next coat. This finish must be sanded between coats for proper adhesion. **DO NOT APPLY** more than two coats at 3-4 wet mils per coat. If applying two coats, it may be desirable to reduce each coat up to the maximum of 15% to reduce overall film build. Maximum film thickness of the VUC1100 should not exceed 1.5 dry mils. This product must be topcoated (see companion products). Maximum film thickness of the total coating system **MUST NOT EXCEED** 4 dry mils.



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Dry to touch	10-15 Minutes
Flash between coats	60 Minutes
To Stack	16 - 24 Hours

12. FORCE DRY



Flash	8 – 10 Minutes
Bake	15 Minutes @ 125°F
Cool Down	10 Minutes ambient
Stack	2 hours 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	5-10 psi (0.3-0.7 bar)
See spray gun manufacturer data for more information	



14. PHYSICAL DATA

Viscosity	23-26 sec EZ Zahn 2
Weight Solids %	40.39%
Volume Solids %	23.52%
Actual VOC	4.0 lbs/gal 479.2 g/l
VOC Ratio (lb.voc/lb.solids)	1.1 lb VOC/lb solid
Regulatory VOC (less water and exempt solvents)	611.4 g/l
Weight Per Gallon	9.1 lbs/gal
Flash Point	0°F Closed Cup
Theoretical Coverage	394.01 ft/gal @ 1 mil dry
VHAP (lb.VHAP/lb.solids)	0.00 lb VHAP/lb solid
Photochemically Reactive	No
Coating Category	Neutral

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:

General: Always pre-test the system on your substrate to verify suitability of the application.

Tinting: This product can be tinted with approved, high quality industrial colorants. (Check with your Axalta Distributor for other approved colorants).

NEVER tint with colorants that contain glycol. Maximum tint load is 8 oz per gallon (6% by volume). Colorants must be mixed in completely with mechanical agitation before use. Apply by spray only, using Conventional Air, HVLP, Airless, or Air Assisted Airless equipment. Apply at a rate of 3-4 wet mils per coat. Sand between coats with 240-320 grit, no fill sandpaper. Remove sanding dust before applying the next coat. This finish must be sanded between coats for proper adhesion. **DO NOT APPLY** more than two coats at 3-4 wet mils per coat. If applying two coats, it may be desirable to reduce each coat up to the maximum of 15% to reduce overall film build. Maximum film thickness of the VUC1100 should not exceed 1.5 dry mils.

This product must be topcoated (see companion products). Maximum film thickness of the total coating system **MUST NOT EXCEED** 4 dry mils.

Conversion Varnish, Conversion Lacquer and Precatalyzed Systems*

Dry to sand and recoat: **1 hour minimum** between coats before applying topcoats. (depending on ambient conditions).

Recoating too quickly may affect film integrity. Do not apply if the material or substrate temperature is below 65°F. This product is best applied when surface and air temperatures are between 65°-90° F (~12-32°C) and when relative humidity is below 50% during application and drying time.

Potlife:

30 days @77° F using CXC4803. (Temperature and humidity can affect potlife, always measure catalyst accurately)

Clean Up:

Refer to your local regulations for compliance requirements for cleaning solvents. 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.

Storage:

Store in a cool, dry place. Close all containers after use. Do not store near heat or sparks. Spills should be cleaned up with non-sparking tools. See the product MSDS 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.