

AMERIVAR™ CLEAR POST-CATALYZED TOPCOAT

DM53610XX (20,40,60,80 Gloss)

DESCRIPTION:

Amerivar™ Clear Post-Catalyzed Topcoat is an acid cured conversion varnish for interior woodwork. This fast drying, hi build finish has very good water white, non-yellowing characteristics and can be used as a self-sealed system over recommended AcromaPro stains, including pastels and whites. Amerivar™ Clear Post-Catalyzed Topcoat has good sag resistance and is designed for vertical or flat spray applications. It has low HAPS and meets KCMA/CKCA standards. This self-sealing, easy to sand topcoat has outstanding flow and leveling and provides great scratch resistance and chemical resistance.

PRODUCT DATA:

| | | | |
|-------------------------------|-------------------------------------|--|----------------------------------|
| Color: | Wet: Clear Dry: Clear | VOC (as packaged, maximum, less water and exempt solvents): | 4.49 lb/gal, 538 g/l |
| Solids % by Vol.: | 37% (Theoretical) | VOC (emitted): | 4.49 lb/gal, 538 g/l |
| Solids % by Wt.: | 45% (Theoretical) | Lbs. VHAPs / Lbs. Solids: | 0.41 |
| Weight / Gal.: | 8.09 lb | Flash Point (PM/CC): | 13° C / 55° F |
| Viscosity 23°C / 73°F: | #4 Ford: 30-32 Sec. | Photo Chemically Reactive: | Yes |
| Viscosity 23°C / 73°F: | DIN 4: 22-24 Sec. | Shelf Life: | 1 year (at 15-25° C / 59°-77° F) |
| Viscosity 23°C / 73°F: | Zahn #2 sig.: 32-35 Sec. | Theo. Coverage@1mil dry | 595 Sq. Ft./Gal. 100% Efficiency |

MIXING / APPLICATION:

Working Temp: >18° C, 65° F substrate, coating and air
Catalyzation: 12% by volume using either Catalyst 2750 (standard), Catalyst 494 (slow), or Catalyst 309 (HAPS free, fast).
Pot Life: 24hrs. (23° C / 74° F)
Mixing: Mix thoroughly to ensure uniform consistency. Add catalyst under agitation then add solvent to adjust viscosity if necessary.
Sealer: Can be used as a self-sealed system or over Care Seal™ or Care Seal™ HS Post Catalyzed Sealers.
Reducer: Thinner 219 (regular), Thinner OC 140 (fast), Thinner 309 (fast, HAPS free), Thinner 419 (slow, HAPS free)
Application: 75 - 100 (g/m²) Approx 3-4 wet mils
Surface Prep: Substrate should be clean and free of grease and oil. Moisture content of the wood should be between 6%-8%. White wood sand with 180 grit sandpaper. Sand the first coat (with 280 to 320 paper) to eliminate any grain raising, and improve adhesion of the subsequent coat. Topcoat within 8 hours of sanding.
Use Directions: For interior use only. Mix thoroughly before application. Stack only when the surface temperature is below 35°C / 95 ° F. Dry time can be directly impacted by many factors, including film thickness. Users are urged to test the system under shop conditions.
App. Equip.: Conventional & HVLP Siphon Feed and Pressure Pot Systems and Airless Air Assist Equipment.
Ind. Standards: This product meets the quality standard - System 5 - Conversion Varnish Transparent for AWI. It also meets KCMA and CKCA standards.

DRYING TIMES TO SAND / STACK:

| Method | Drying Temp. | Drying Time (@ 60 % RH and thickness @ 1 mil dry) |
|------------|---------------|--|
| Air Drying | 20° C / 68° F | 2-3 hrs dry to sand and recoat / 2-3 hr. dry to stack |

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APPLICATION RECOMMENDATIONS:

APPLICATION EQUIPMENT SETTINGS

| Method of Application | Wet Film | | Dry Film | |
|-----------------------------|------------|-------------------------|--------------|-----------------|
| | Mils | g/m ² | Mils | Microns |
| Conventional – Siphon Fed | 3 – 4 mils | 75-100 g/m ² | 1.1-1.5 mils | 28.5-38 microns |
| Conventional – Pressure Pot | 3 – 4 mils | 75-100 g/m ² | 1.1-1.5 mils | 28.5-38 microns |
| Airless Air Assist | 3 – 4 mils | 75-100 g/m ² | 1.1-1.5 mils | 28.5-38 microns |
| HVLP - Siphon Fed | 3 – 4 mils | 75-100 g/m ² | 1.1-1.5 mils | 28.5-38 microns |
| HVLP - Pressure Pot | 3 – 4 mils | 75-100 g/m ² | 1.1-1.5 mils | 28.5-38 microns |

All measurements and application equipment settings are based on application at a temperature of 68°F. Viscosity will vary depending on the temperature of the liquid. The application equipment setting recommendations are guidelines only. The settings are starting point recommendations and adjustments to the equipment settings and equipment may be needed to obtain the desired results. Please refer to your specific equipment manufacturer's recommendations for equipment set-up.

REDUCTION – TIP SIZE – PSI SETTINGS

Conventional Equipment Siphon Feed:

Reduce to 18-21 seconds #4 ford viscosity cup, nozzle size 0.070 inches (1.8mm) – 0.0 inches (2.0 mm), atomizing air 40 psi (2.8bar)–50 psi (3.5 bar).

Conventional Equipment Pressure Pot:

Reduce to 18-21 seconds #4 ford viscosity cup, nozzle size 0.472 inches (1.2mm) – 0.055 inches (1.4 mm), atomizing air 40 psi(2.8 bar)–50 psi (3.5 bar), Pot pressure 7 psi (0.48 bar) to 10 psi (0.68 bar)

Airless Air Assist Equipment:

Reduce to 18-25 seconds #4 ford viscosity cup, tip size .011 inches (0.28mm) - .013 inches (0.33mm), fluid pressure 290 psi (20 bar) – 580psi(40 bar), atomizing air 11psi (0.8 bar) to 17psi (1.2 bar).

HVLP Equipment Siphon Feed:

Reduce to 17-21 seconds #4 ford viscosity cup, .061inch (1.5mm) -.072inch (1.8MM) nozzle, atomizing air 35psi (2.4bar) -45 psi (3.1bar).

HVLP Equipment Pressure Pot:

Reduce to 17-21 seconds #4 ford viscosity cup, 0.472 inches (1.2mm) – 0.055 inches (1.4 mm) nozzle, atomizing air 20psi (1.37 bar) -25 psi (1.72 bar). Pot pressure 7 psi (0.48 bar) to 10 psi (0.68 bar)

PRODUCT NOTES

- For optimum drying under different conditions, it may be necessary to vary the catalyst level. The recommended range for catalyst addition is 10-14% by volume.
- To help reduce trapped air, blushing or orange peel, use Retarder 0987 at a maximum of 2% by volume.
- For better flow and leveling, use Thinner 419 at a maximum of 3% by volume.
- This product meets KCMA and CKCA standards when used as a self-seal system or over a recommended AcromaPro sealer.
- Do not catalyze in an unlined metal container
- Vertical hand spray viscosity:
Din 4 20-21"
#4 Ford: 27-28"
Zahn 2 (Sig.) 29-30"
- Machine spray viscosity:
Din 4 15-16"
#4 Ford 18-22"
Zahn 2 (Sig.) 20-24"
- Maximum recommended dry film thickness for total coating system is 6 dry mils.
- Can be used over recommended AcromaPro water-based and solvent-based stain systems. Please contact your AcromaPro representative for system recommendations.

CONTACTS:

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TESTING: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

FOR INDUSTRIAL SHOP APPLICATION: Thoroughly review Material Safety Data Sheet (MSDS) for safety information and cautions prior to using this product. For Regulatory compliance data (i.e. VOC, HAPS, etc.), obtain an Environmental Data Sheet (EDS) prior to using the product. A MSDS and/or EDS is available from your local distributor or representative. Please direct any questions or comments to 1-800-524-5979.

NOTE: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, AcromaPro cannot make any warranties as to the end result.