LumaVar™ 275 Clear CV

WATER-CLEAR CONVERSION VARNISH

Product Code: 310750

LumaVar™ 275 Conversion Varnish is a water-clear, two-part acid catalyzed conversion varnish ideal for interior wood cabinetry in kitchens & baths.

Ideal For

- Kitchen cabinets
- Bathroom cabinets
- Wood placed in high moisture areas

- Exceeds KCMA performance tests
- AIM compliant 275 g/l VOC
- NESHAP compliant—JJ (furniture)
- NESHAP compliant—QQQQ (doors & windows)

Benefits

- Water Clear
- Non-yellowing
- Exceptional abrasion resistance
- Excellent water and chemical resistance
- 10 hour pot life
- Excellent flow and leveling
- Excellent sanding properties
- May be used as a self-seal system
- Ultra low HAP
- PCBTF Free

APPLICATION DATA

SURFACE PREPARATION: "White sand" wood with maximum 150 grit aluminum oxide sandpaper. Remove all sanding dust. Keep free of dirt, grease, silicone oils, lubricants and other contaminants.

APPLICATION EQUIPMENT: This product is designed for spray application through all types of equipment. Mixing or pumping equipment that is in constant contact with Conversion Varnish should be constructed of stainless steel or other anti-corrosive material. The recommended settings below are with the trigger pulled.

Airless	No thinning required. Spray at 1000 or 1200 psi 411 or 513 tip
Air Assist	No thinning required. Spray at 700 to 900 psi fluid pressure 10-12 psi air cap 411 or 513 tip
HVLP	No thinning required. Spray at 28 psi through a 1.4 fluid nozzle

THINNING: This product is designed to spray at package viscosity with most application equipment. Thinning requirements may vary with changes in temperature and spray room conditions. If thinning is desired, use 652081 VOC Exempt Lacquer Thinner, 652210 No-HAP Lacquer Thinner, or Acetone.

Note: Thinning will reduce film build and may increase VOCs or HAPs, unless using VOC exempt or HAP-free solvents.

AGITATION: This product must be kept under slow, constant agitation, to ensure proper mixing and prevent sheen variations.

CLEAN UP: Use acetone or compliant lacquer clean-up solvent.

FINISHING SYSTEM

MIXING DIRECTIONS: Add 4 fluid ounces of Rudd 03-143 Catalyst per gallon. Stir well during and after adding catalyst.

POT LIFE: 10 hours @ 65-70°F.

STAIN: When staining wood, use Rudd Colortools™ Low VOC Dye Stain, Colortools™ Low VOC Spray Only Stain,or Colortools™ 240 VOC Wiping Stain.

SEAL: Apply one coat (3-5 mils wet) of LumaVar 275 Clear CV as its own sealer, or one coat (3-5 mils wet) of 310751 LumaVar 275 Sealer. Allow to dry 20-25 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply two coats (3-5 mils wet) of LumaVar 275 Clear CV. Sand between all coats with 220/320 grit silicon carbide sandpaper.

If desired, additional coats may be applied up to a total dry film of 5.0 dry mils.

*Dry times may vary with film thickness, temperature, humidity and air flow.

SAFETY PRECAUTIONS

Avoid breathing vapors, use a NIOSH approved cartridge respirator. Use pre-filters to avoid breathing spray particles or sanding dust.

Flammable Liquid and Vapor: Keep away from heat, sparks and flame. Ensure adequate ventilation during use. Clean up spills with non-sparking tools and inert absorbent material. Store solvent and lacquer soaked rags and filters in water-filled, closed container prior to disposal. Dispose in safe, approved manner.

Read Safety Data Sheet and label before using.

LUMAVAR 275 CLEAR CV

310750

FINISH PERFORMANCE TESTING

KCMA	
Vinegar	No Visual Effect
Lemon Juice	No Visual Effect
Orange Juice	No Visual Effect
Grape Juice	No Visual Effect
Catsup	No Visual Effect
Olive Oil	No Visual Effect
100 Proof Alcohol	No Visual Effect
Hot Coffee	No Visual Effect
Edge Soak	Passed 24 hr KCMA test with no softening,
Cold Check	Passed 20 cycles @ 5 mils dry film
OTHER	
MEK Resistance	140 + single rubs showed no removal of finish
Hot Water Ring	Slight marking at 190° F after 30 minutes
Pencil Hardness	Pass 2B
Mar Resistance	Excellent
Adhesion	Excellent

Sheens ▪ Gloss—90% ▪ High Semi-Gloss—60% ▪ Semi-Gloss—40% ▪ Satin—20% ▪ Flat—7%

SPECIFICATIONS

Coverage	**420-447 square feet per gallon @ 1 mil dry film**
Viscosity	18 Seconds (#2 Zahn @ 75°F)
Sag Resistance	4 mils vertical @ 65-70°F
Solids*	30.7-33.6 % by weight 2.51-2.8 bs per gallon
VOC* (Volatile Organic Compounds)	Calculated: 215-229 g/l (1.78-1.92 lb/gal)
HAP* (Hazardous Air Pollutants)	Pounds HAP per Gallon: 0.0210—0.0215 Pounds HAP per Pound Solids: < 0.8 (actual 0.0075—0.0085) Pounds HAP per Volume Solids: <0.48 (actual 0.0753—0.0822)
Dry to Sand	20-25 minutes @ 65-70°F
Block Free	24 hours

*Variations depend on gloss. CAUTION: Thinning will reduce film build and may increase VOCs or HAPs, unless using VOC exempt or HAP-free solvents.

***** Contact your Sales Representative for available stock sheens and package sizes.*****

APPLICATION PRECAUTIONS

- LumaVar 275 Clear CV may be used as a self seal system or with 310751 LumaVar 275 CV Sanding Sealer.
- Do not use as a topcoat over lacquer based sanding sealers, undercoaters or primers.
- Do not use alkaline based products to clean surfaces finished with LumaVar 275 Clear CV.
- This product MUST be sanded between all coats to ensure proper adhesion. This product must be re-coated within 8 hours of being sanded.
- This product is not recommend for exterior use.
- Finish, substrate and curing temperatures should remain above 60°F, extremes of temperature and humidity may affect product performance.
- Total film build of finishing system must not exceed 5.0 dry mils.
- This product has been tested on a limited number of substrates and over a limited number of coatings. The user is responsible for testing suitability and performance for their specific application.
- Designed for professional use and spray application only.

Shipping & Storage Information

Flash Point: -4°F Pensky-Martin

OSHA Flammability Class: Flammable Liquid—Class IB

DOT Class: Paint, 3, UN 1263, PG II

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