

# CrystalVar™ 550 VOC Sealer

## WATER CLEAR CONVERSION VARNISH SEALER

Product Code: **310645**

CrystalVar™ 550 VOC Conversion Varnish Sealer is a water clear, two-part conversion varnish ideal for interior wood cabinetry where a flawless finish is required.

### Ideal For

- Kitchen cabinets
- Bathroom cabinets
- Wood placed in high moisture areas
- Residential table and bar tops
  
- Exceeds KCMA performance tests
- AIM compliant at 550 g/l VOC
- NESHAP compliant—JJ (furniture)
- NESHAP compliant—QQQQ (doors & windows)

### Performance Benefits

- Water Clear
- Non-yellowing
- Excellent water and chemical resistance
- 24 hour pot life
- Excellent flow and leveling
- High Build
- Excellent sanding properties

## 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 with all types of spray equipment. Mixing or pumping equipment that is in constant contact with Conversion Varnish should be constructed of stainless steel or other anti-corrosive material.

**THINNING:** This product is designed for spray application at package viscosity with all equipment. If thinning, use Rudd 650870 Premium Lacquer Thinner, Rudd 651393 No-HAP Thinner, or Acetone. For additional open time use Rudd 650921 Retarder as needed.

*Caution: Thinning with solvents will reduce film build and increase VOCs (unless using Acetone). Note: Thinning requirements may vary with changes in temperature and spray room conditions.*

**AGITATION:** This product must be kept under slow, constant agitation, to ensure proper mixing.

**CLEAN UP:** Use lacquer thinner.

## FINISHING SYSTEM

**MIXING DIRECTIONS:** Add 3% (4 fluid ounce) of Rudd 03-143 Catalyst per gallon. Stir well during and after adding catalyst.

**POT LIFE:** 1 day (24 hours) @ 65–70 °F.

**STAIN:** When staining wood, use Rudd ColorTools™ Dye Stains, ColorTools™ Spray Only Stain, or ColorTools™ Wiping Stain.

**SEAL:** Apply one coat (3-4 mils wet) of CrystalVar 550 VOC Clear Conversion Varnish Sealer. Allow to dry 35 minutes\*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

**FINISH:** Apply one or two coats (3-4 mils wet) of CrystalVar 550 VOC or 680 VOC Clear Conversion Varnish finish. 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 time will vary with film thickness, temperature, humidity & 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:** Keep away from heat, sparks and flame. Ensure adequate ventilation during use.

Read Material Safety Data Sheet and label before using.

## SPECIFICATIONS

Coverage	435 square feet per gallon @ 1 mil dry film
Viscosity	20–25 Seconds (#2 Zahn @ 75 °F)
Sag Resistance	5 mils vertical @ 65–70 °F
Solids	34.5% by weight 2.65 lbs per gallon
VOCS (Volatile Organic Compounds)	Calculated: 4.5 lb/gal 535 g/l
HAPS (Hazardous Air Pollutants)	Pounds HAP per Pounds Solids: 0.02
Dry to Sand	35 minutes @ 65–70 °F
CAUTION: Thinning will reduce film build and increase VOCs.	

## APPLICATION PRECAUTIONS

- Do not use alkaline based products to clean surfaces finished with the CrystalVar 550 VOC Clear Conversion Varnish system.
- 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 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 with 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



Rudd Company, Inc. · 1141 NW 50th St. · Seattle, WA 98107  
ruddcompany.com · 206-789-1000

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