

RUDD[®]

INDUSTRIAL WOOD FINISHES



CrystalVar[™] Series

WATER-CLEAR CONVERSION VARNISH

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CrystalVar™ 275 Water-Clear Conversion Varnish (310610)

CrystalVar™ 275 Water-Clear CV is a two-component, acid catalyzed, <275 VOC, water-clear conversion varnish finish.

Specifications

Coverage Rate:	600 sq ft per gallon @ 1 mil dry film
Viscosity:	17-21 Seconds (#2 Zahn @ 75° F)
Sag Resistance:	4 mils vertical @ 65-70° F
Solids:	41.4-44.5% by weight 3.56-3.92 lbs per gallon
VOC*:	Calculated: 198-209 g/l (1.6-1.7 lb/gal) Catalyzed: 226-237 g/l (1.9-2.0 lb/gal)
HAP**:	Pounds HAP per Pounds Solids: < 0.8
Dry to Sand:	35-40 minutes @ 65-70° F
Block Free:	24 hours @ 5 mils wet
Sheen:	Flat, Satin, Semi-Gloss, High Semi-Gloss, Gloss

Added Benefits

- Super-Low HAP
- Low VOC
- High build
- 10 hour pot life
- MEK Resistance - 200+ single rubs showed no removal of finish

Finish Testing

	Excellent Rating
	Excellent Rating
	Excellent Rating
	Excellent Rating
	Excellent Rating

CrystalVar™ 275 Water-Clear Conversion Varnish Sanding Sealer (310607)

CrystalVar™ 275 Water-Clear CV Sanding Sealer is a two-component, acid catalyzed, <275 VOC, water-clear conversion varnish sanding sealer formulated for use under CrystalVar 275 topcoats.

Specifications

Coverage Rate:	600 sq ft per gallon @ 1 mil dry film
Viscosity:	16-19 Seconds (#2 Zahn @ 75° F)
Sag Resistance:	4 mils vertical @ 65-70° F
Solids:	42.1% by weight, 3.6 lbs per gallon
VOC*:	Calculated: 206 g/l (1.72 lb/gal) Catalyzed: 234 g/l (1.95 lb/gal)
HAP**:	Pounds HAP per Pounds Solids: < 0.8
Dry to Sand:	35 minutes @ 65-70° F

- * Volatile Organic Compounds
** Hazardous Air Pollutants

Benefits

- Provides superior chemical and water resistance
- Fast dry
- Smooth to sand
- 24 hour pot life
- Super-Low HAP

Distributed by:



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RUDD COMPANY, INC
Manufacturers of Quality Coatings Since 1912



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Finish Testing

All Rudd Industrial Wood Finishes are subjected to rigorous laboratory and field testing prior to release. We are dedicated to formulating and producing quality coatings that give consistent results in application, appearance and end-use performance. Finishes are developed and tested utilizing ASTM and KCMA test methods: 5 = Excellent, 4 = Very Good, 3 = Good, 2 = Fair, 1 = Poor. Our goal is your success!



Chemical Resistance Test is performed to determine the finish's ability to withstand typical household substances that may come in contact with cabinets in a home. CrystalVar Series have been tested against the following substances.

Vinegar	Lemon Juice	Orange Juice	Grape Juice
Catsup	Olive Oil	100 Proof Alcohol	Coffee



Edge Soak Test is performed to determine a coated cabinet door's resistance to water and detergent. CrystalVar Series are tested using KCMA test procedures.



Hot Water Ring Test is performed to determine the coatings ability to withstand hot fluids for extended periods of time. 190° hot water ring sits on coating for 30 minutes.



Crosshatch Test is performed to test the finish's ability to adhere to substrates and other finishes.



Cold Check Test is performed to determine the coatings resistance to expansion and contraction at varying film thicknesses.

CrystalVar™ 550 Water-Clear Conversion Varnish (310599)

CrystalVar™ 550 is a premium two-component, acid catalyzed <550 VOC, water-clear conversion varnish.

Specifications

Coverage Rate: 441 sq ft per gallon @ 1 mil dry film
 Viscosity: 20-25 Seconds (#2 Zahn @ 75° F)
 Sag Resistance: 5 mils vertical @ 65-70° F
 Solids: 34.7-37.4% by weight
 2.68-2.96 lbs per gallon
 VOC*: Calculated: 536-549 g/l (4.5-4.6 lb/gal)
 Catalyzed: 539-549 g/l (4.5-4.6 lb/gal)
 HAP**: Pounds HAP per Pounds Solids: < 0.8
 Dry to Sand: 40 minutes @ 65-70° F
 Block Free: 24 hours @ 5 mils wet
 Sheens: Flat, Satin, Semi-Gloss

Added Benefits

- Quick build with higher solids, allowing a 2-coat system
- 24 hour pot life
- MEK Resistance - 150+ single rubs showed no removal of finish
- Super-Low HAP

Finish Testing



Excellent Rating



Excellent Rating



Excellent Rating



Excellent Rating



Excellent Rating



CrystalVar™ Series

WATER-CLEAR CONVERSION VARNISH

CrystalVar™ Water-Clear Conversion Varnish is the ideal coating for kitchen cabinets, bathroom cabinets, commercial cabinetry, displays and fixtures, bar tops and table tops, office and institutional furniture, and all general interior wood finishing.

Meet your customers' expectation for a premium finish in both durability and beauty. CrystalVar's exceptional mar and abrasion resistance, coupled with superior chemical and moisture resistance provides the ultimate in overall protection. And, whether it's with natural or stained wood, CrystalVar delivers the perfect look and feel.

Benefits

- Non-Yellowing
- Luxurious and smooth to the touch
- Tough, mar and abrasion resistant finish
- Resists common food stains
- Withstands common household chemicals
- Exceptional moisture resistance
- Surpasses all KCMA testing standards



- High solids with excellent build
- Ready-to-spray, no thinning required
- Excellent flow, leveling and sandability
- Can be used as self-seal system
- Apply with Conventional, HVLP, Air-Assisted, or Airless equipment
- Compatible with Rudd Industrial Wood Finish Color Systems
- Flexible - withstands long periods of expansion & contraction

- Low HAP content to meet NESHAP rules
- Available in 680 VOC, 550 VOC and 275 VOC formulations

CrystalVar™ 680 Water-Clear Conversion Varnish (310661)

CrystalVar™ 680 is a premium two-component, acid catalyzed <680 VOC, water-clear conversion varnish.

Specifications

Coverage Rate:	371 sq ft per gallon @ 1 mil dry film
Viscosity:	22-28 Seconds (#2 Zahn @ 75° F)
Sag Resistance:	4 mils vertical @ 65-70° F
Solids:	28.9-30.8% by weight 2.2-2.37 lbs per gallon
VOC*:	Calculated: 611-620 g/l (5.09-5.2 lb/gal) Catalyzed: 608-618 g/l (5.08-5.2 lb/gal)
HAP**:	Pounds HAP per Pounds Solids: < 0.8
Dry to Sand:	25 minutes @ 65-70° F
Block Free:	24 hours @ 5 mils wet
Sheens:	Flat, Satin, Semi-Gloss, Gloss

Added Benefits

- Quick dry for faster production
- 24 hour pot life
- MEK Resistance - 125+ single rubs showed no removal of finish
- Super-Low HAP

Finish Testing

	Excellent Rating
	Excellent Rating
	Excellent Rating
	Excellent Rating
	Excellent Rating

CrystalVar™ 680 Water-Clear Conversion Varnish Sanding Sealer (310761)

CrystalVar™ 680 Water-Clear CV Sealer is a two-component, acid catalyzed, <680 VOC, clear conversion varnish sealer formulated for use under CrystalVar 680 and CrystalVar 550 topcoats.

Specifications

Coverage Rate:	435 sq ft 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
VOC*:	Calculated: 584 g/l (4.88 lb/gal) Catalyzed: 584 g/l (4.88 lb/gal)
HAP**:	Pounds HAP per Pounds Solids: < 0.8
Dry to Sand:	30 minutes @ 65-70° F

Benefits

- Provides superior chemical and water resistance
- Fast dry
- Smooth to sand
- 24 hour pot life
- Super-Low HAP