

Scion™ ZF Clear CV Finish

ZERO FORMALDEHYDE CONVERSION VARNISH

Product Code: 310630

Scion™ ZF Clear Conversion Varnish is a two-part, formaldehyde free, acid cure 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 680 g/l VOC
- NESHAP compliant—JJ (furniture)
- NESHAP compliant—QQQQ (doors & windows)

Performance Benefits

- Zero Formaldehyde CV resin technology
- Low odor
- Clear finish (inherent slight yellow cast)
- Color of clear finish will not change
- 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. For additional open time use Rudd 650921 Retarder as needed.

Caution: Thinning with solvents will reduce film build and increase VOCs. 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 and consistent sheen.

CLEAN UP: Use lacquer thinner.

FINISHING SYSTEM

MIXING DIRECTIONS: Add 3% (4 fluid ounce) of Rudd 03-350 ZF 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 Scion ZF Clear Conversion Varnish Sealer. Allow to dry 20 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply one or two coats (3-4 mils wet) of 310630 Scion ZF Clear Conversion Varnish. 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. Assure adequate ventilation during use.

Read Material Safety Data Sheet and label before using.

AVAILABLE SHEENS*

Gloss	High Semi-Gloss	Semi-Gloss	Satin	Flat
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KCMA FINISH TEST

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
Coffee	No visual effect
MEK Resistance	100+ single rubs showed no removal of finish
Water Ring	Slight marking at 190°F after 30 minutes
Edge Soak	Passed 24hr KCMA test with no softening, discoloration or film defects

SPECIFICATIONS

Coverage	425 square feet per gallon @ 1 mil dry film
Viscosity	~22 Seconds
Sag Resistance	4 mils vertical @ 65–70°F
Solids*	32.3–33.9% by weight
VOCs* (Volatile Organic Compounds)	Calculated: 5.22 lb/gal 626 g/l
HAPs* (Hazardous Air Pollutants)	Pounds HAP per Pounds Solids: 0.013
Dry to Sand	20 minutes @ 65–70°F
Block Free	24 hours @ 5 mils wet

*Variations depend on gloss.

CAUTION: Thinning will reduce film build and increase VOCs.

***Call for current Stock Sheens and Package Sizes.**

APPLICATION PRECAUTIONS

- This product **MUST** be catalyzed with 03-350 ZF Catalyst. Do not catalyze with any other Rudd acid catalyst.
- This product has an inherent slight yellow cast and cannot be made water-clear. The dry film will not change color.
- Do not thin this product with Acetone or solvent blends containing Acetone.
- This product **MUST** be sanded between all coats to ensure proper adhesion. This product **MUST** be re-coated within 8 hours of being sanded.
- Total film build of system must not exceed 5.0 dry mils.
- Finish, substrate and curing temperatures should remain above 60°F, extremes of temperature and humidity may affect product performance.
- Do not use alkaline based products to clean surfaces finished with the Scion ZF Clear Conversion Varnish system.
- This product is not recommend for exterior use.
- 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: 55°F Pinsky-Martin

OSHA Flammability Class: Flammable Liquid—Class IB

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



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