

Scion™ ZF 680 Sealer

CLEAR FORMALDEHYDE FREE CONVERSION VARNISH SEALER

Product Code: **310667**

Scion™ ZF 680 Clear Conversion Varnish Sanding Sealer 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

- AIM compliant 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
- Super-low HAP

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 contaminates.

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. Recommended settings below are with 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 only 650870 Lacquer Thinner.

Note: Thinning will reduce film build and will increase VOCs and HAPs.

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

CLEAN UP: Use lacquer thinner compliant with local air quality rules and regulations.

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 680 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 Scion ZF 680 top-coats. 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 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 containers prior to disposal. Dispose of in safe, approved manner.

Read Safety Data Sheet (SDS) and label before using.

SPECIFICATIONS	
Coverage	390 square feet per gallon @ 1 mil dry film
Viscosity	22 Seconds (#2 Zahn @ 75°F)
Sag Resistance	4 mils vertical @ 65-70°F
Solids	30.9% by weight 2.35 lbs per gallon
VOC (Volatile Organic Compounds)	Calculated: 5.24 lb/gal 629 g/l
HAP (Hazardous Air Pollutants)	Pounds HAP per Gallon: 0.077 Pounds HAP per Pounds Solids: < 0.8 (actual 0.0326) Pounds HAP per Volume Solids: < 0.48 (actual 0.315)
Dry to Sand	20 minutes @ 65-70°F
CAUTION: Thinning will reduce film build and increase VOCs and HAPs.	

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. Use Rudd 650870.00 Lacquer Thinner.

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 680 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: 23°F Pinsky-Martin

OSHA Flammability Class: Flammable Liquid—Class IB

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



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Manufacturers of Quality Coatings Since 1912

Gemini Industries, Inc., 421 SE 27th St, El Reno, OK 73036

ruddwoodfinishes.com · 800 262-5710

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