

BSL™ 550 Black

OPAQUE CONVERSION VARNISH

Product Code: **310095.65**

BSL™ 550 Black is a two-part, high-semi-gloss, opaque conversion varnish 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
NESHAP compliant - JJ (furniture)

Benefits

Excellent water and chemical resistance
Exceptional abrasion and mar resistance
Beautiful high semi-gloss sheen
24 hour pot life
High solids—superior build
Excellent flow and leveling
Excellent sanding properties
Ready-to-spray viscosity after catalyzing
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 650870 Lacquer Thinner, 6520881 VOC Exempt Lacquer Thinner, 652210 No-HAP Lacquer Thinner.

Note: Thinning will reduce film build and 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 4 fluid ounces of Rudd 03-134 Catalyst per gallon. Stir well during and after adding catalyst.

POT LIFE: 24 hours @ 65-70°F.

SEAL: Apply one coat of BSL Black (3-4 mils wet) as its own sealer. Allow to dry 40-45 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply one or two coats (4-6 mils wet) of BSL Black. Allow to dry 45 minutes between 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 times may vary with film thickness, temperature, humidity and air movement.

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.

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, discoloration or film defects
Cold Check	Passed 20 cycles @ 5 mils dry film

OTHER

Pencil Hardness	2B
Mar Resistance	Very Good
MEK Resistance	100+ single rubs showed no removal of finish
Hot Water Ring	Passed at 190° F after 30 minutes
Adhesion	Excellent

SPECIFICATIONS

Coverage	535 square feet per gallon @ 1 mil dry film
Viscosity	18-21 Seconds (#2 Zahn @ 75° F)
Sag Resistance	5 mils vertical @ 65-70°F
Solids*	41.9 % by weight 3.28 lbs per gallon
VOC* (Volatile Organic Compounds)	Calculated: 545 g/l (4.55 lb/gal) Catalyzed: <545 g/l (4.55 lb/gal)
HAP* (Hazardous Air Pollutants)	Pounds HAP per Gallon: 1.89 Pounds HAP per Pound Solids: < 0.8 (actual 0.577) Pounds HAP per Volume Solids: 5.57
Dry to Sand	45 minutes @ 65-70°F
Block Free	8 hours @ 5 mils wet

CAUTION: Thinning will reduce film build and increase VOCs and HAPs unless using VOC Exempt or HAP-free thinners.

APPLICATION PRECAUTIONS

BSL 550 Black Conversion Varnish is designed as a self seal system.

Do not use alkaline based products to clean surfaces finished with BSL 550 Conversion Varnish.

This product **MUST** be sanded between all coats to ensure proper adhesion.

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.

For best results, use within 12 months of manufactured date.

Designed for professional use by spray application only.

Shipping & Storage Information

Flash Point: 45°F Pinsky-Martin

OSHA Flammability Class: Flammable Liquid—Class IB

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



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