

# DuraCat™ 550

## WATER-CLEAR PRE-CATALYZED LACQUER

Product Code: **651810**

DuraCat™ 550 is a water-clear pre-catalyzed vinyl lacquer ideal for interior wood surfaces where a flawless finish is required.

### Ideal for

Furniture  
Millwork  
Cabinetry & Casegoods  
Interior Wood Work

Exceeds KCMA performance tests  
Federal AIM compliant 550 g/l VOC  
NESHAP compliant—JJ (furniture)  
NESHAP compliant—QQQ (doors & windows)

### Benefits

Water-Clear  
Non-yellowing  
Exceptional abrasion resistance  
Excellent water and chemical resistance  
Low odor  
Excellent flow and leveling  
Easy sand  
Ultra 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 contaminants.

**APPLICATION EQUIPMENT:** This product is designed for spray application through all types of equipment. Recommended settings are with trigger pulled:

Airless	No thinning required. Spray at 1000 to 1200 psi 411 or 513 tip
Air Assist	No thinning required. Spray at 700 to 900 psi fluid pressure 10 to 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. If thinning is desired, use 650870 Premium Lacquer Thinner, 652081 VOC Exempt Lacquer Thinner, 652210 No-HAP Lacquer Thinner or Acetone.

*Note: Thinning will reduce film build and may increase VOCs or HAPs, unless using VOC Exempt or HAP-Free solvents.*

**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

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

**SEAL:** Apply one coat (3-5 mils wet) of DuraCat 550 as it's own sealer OR one coat of 651975 DuraCat 680 Sealer. Allow to dry 20 minutes\*, sand with 220/320 grit silicon carbide sandpaper before finishing.

**FINISH:** Apply two coats (3-5 mils wet) of DuraCat 550. Allow 20 minutes\* dry time and sand with 220/320 grit silicon carbide sandpaper between coats.

If desired, additional coats may be applied up to a total dry film of 5.0 dry mils.

\*Dry times will 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 container prior to disposal. Dispose in safe, approved manner.

Read Safety Data Sheet 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	Pass 2B
Mar Resistance	Excellent
Adhesion	Excellent

\*\*\* Contact your Sales Representative for available package sizes.\*\*\*

**SPECIFICATIONS**

Coverage	295 square feet per gallon @ 1 mil dry film thickness
Viscosity	17-19 seconds (#2 Zahn Cup @ 77°F)
Sag Resistance	5 mils vertical @ 65-70°F
Solids*	26.2-27.7% by weight 2.0-2.1 lbs per gallon
VOC* (Volatile Organic Compounds)	Calculated: 537-547 g/l (4.47-4.55 lb/gal)
HAP* (Hazardous Air Pollutants)	Pounds HAP per Gallon: 0.0331—0.0335 Pounds HAP per Pound Solids: < 0.8 (actual 0.0155—0.0170) Pounds HAP per Volume Solids: <0.48 (actual 0.1667—0.1789)
Dry to Sand	20 minutes @ 65-70°F
Block Free	6 hours @ 65-70°F
Sheen	GS: 87, HSG: 60, SG: 40, ST: 20, FL: 5,
*Variations depend on sheen. CAUTION: Thinning will reduce film build and may increase VOCs and HAPs unless using VOC Exempt of HAP-free thinner	

**APPLICATION PRECAUTIONS**

DuraCat 550 PreCat has a limited shelf life of approximately 12 months from date of manufacture. Usability and performance may not always be determined from viscosity. Shelf life will vary with storage conditions.

Do not use DuraCat 550 PreCat as a topcoat over stearated sanding sealers. Use with 651975 DuraCat 680 PreCat Sealer or as a self-seal system.

Do not use DuraCat 550 PreCat in heated spray equipment.

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 is not recommended for exterior use.

Clear finishes will not prevent natural (unstained) wood from changing color over time.

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 by spray application only.

**Shipping & Storage Information**

**Flash Point:** -4° F Pinsky-Martin

**OSHA Flammability Class:** Flammable Liquid—Class IB

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



Gemini Industries, Inc. • 421 SE 27th St. • El Reno, OK 73036  
 ruddwoodfinishes.com • 800 262-5710

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