

ChromaCat™ 680 White

OPAQUE PRE-CATALYZED LACQUER

Product Code: **651955**

ChromaCat™ 680 is a white opaque, ready to use, pre-catalyzed lacquer ideal for all interior wood surfaces.

Ideal for

- Doors & Millwork
- Cabinets and Casegoods
- Fixtures & Displays
- Interior wood surfaces
- Exceeds KCMA performance tests
- Federal AIM compliant 680 g/l VOC
- NESHAP compliant—JJ (furniture)
- NESHAP compliant—QQQQ (doors & windows)

Benefits

- Non-yellowing
- Exceptional abrasion resistance
- Excellent water and chemical resistance
- Low odor
- Superior flow, leveling and sandability
- User friendly in broad range of environmental conditions
- Exceptional hide
- Tintable
- Super-Low HAPs

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 application 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	Thin up to 20-30%. 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 Rudd 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 and to prevent sheen variations.

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

FINISHING SYSTEM

SEAL: Apply one coat (4-6 mils wet) of 651947 ChromaCat 680 PreCat Sanding Sealer, or use ChromaCat 680 as it's own sealer. Allow to dry 20-25 minutes*, sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply two coats (3-5 mils wet) of ChromaCat 680. Allow 25 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 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 container prior to disposal. Dispose of in a safe, approved manner.

Read Material 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	Very Good
Adhesion	Excellent

*** Contact your Sales Representative for available stock sheens and package sizes.***

SPECIFICATIONS

Coverage	315 square feet per gallon @ 1 mil dry film thickness
Viscosity	44-50 seconds (#2 Zahn Cup @ 77° F)
Sag Resistance	6 mils vertical @ 65-70° F
Solids*	33.7-35.0% by weight 2.84-2.98 lbs per gallon
VOC* (Volatile Organic Compounds)	Calculated: 643-650 g/l (5.36-5.41 lb/gal)
HAP* (Hazardous Air Pollutants)	Pounds HAP per Gallon: 0.0410—0.0410 Pounds HAP per Pound Solids: < 0.8 (actual 0.0136-0.0142) Pounds HAP per Volume Solids: <0.48 (actual 0.1965—0.2041)
Dry to Sand	25 minutes @ 65-70° F
Block Free	24 hours @ 65-70° F
*Variations depend on sheen. CAUTION: Thinning will reduce film build and may increase VOCs and HAPs unless using VOC Exempt and/or HAP-free thinner.	

APPLICATION PRECAUTIONS

- ChromaCat 680 Opaque PreCat Lacquer has a limited shelf life of approximately 12 months unopened, from date of manufacture.
- Usability and performance may not always be determined by viscosity. Shelf life will vary with storage conditions.
- Do not use ChromaCat 680 PreCat as a topcoat over stearated primer. Use 651947 ChromaCat 680 PreCat Sanding Sealer, or use ChromaCat 680 as it's own sealer.
- Do not use ChromaCat 680 PreCat in heated spray equipment.
- ChromaCat 680 may be tinted to a maximum of 8 fl oz per gallon with Colortools™ Colorants or high quality industrial colorant dispersion such as 844. For darker or bolder colors, use ChromaCat 680 Deep Base.
- This product is not recommended 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.
- 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



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