

# UltraClassic™ 680 Clear NC Lacquer

## CLEAR NITROCELLULOSE LACQUER

Product Code: **653005NF**

UltraClassic™ 680 VOC Clear Lacquer is an economical single-component, high solids, conventional non-catalyzed nitrocellulose lacquer for interior wood surfaces.

### Ideal for

Doors & Trim  
Architectural Millwork  
Interior wood work

Federal AIM compliant at 680 g/l VOC  
NESHAP compliant—JJ (furniture)

### Benefits

Optimal 'open time' to minimize overspray and maintain wet edge  
Enhanced blush resistance in high temperature and high humidity environments  
Economical—ultra high solids, ready to spray  
High build with excellent flow and level  
Excellent vertical hang  
Provides rich look and feel  
Classic amber tone  
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 1000–1200 psi 411 or 513 tip
Air Assist	No thinning required. Spray at 700 to 900 psi fluid pressure, 10 to 12 psi cap air 411 or 513 tip
HVLP	Thin up to 20-30% Spray at 28 psi 1.4 fluid nozzle

**THINNING:** This product is formulated 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 or Acetone.

**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 Stain, Colortools™ Spray Only Stain, or Colortools™ Wiping Stain.

**SEAL:** Apply one coat (3–5 mils wet) of Clear NC Lacquer Sanding Sealer. Allow 30 minutes\* dry time and sand with 220/320 grit Silicon Carbide sandpaper before finishing.

**FINISH:** Apply two coats (4–5 mils wet) of UltraClassic NC lacquer. Allow 30 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:** 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

Read Material Safety Data Sheet and label before using.

## 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
Water Ring	Exhibited slight discoloration after 190° F. exposure for 1 hour.
Edge Soak	Passed 24 hour KCMA test with no softening, discoloration or film defects.

**\*\*\* Limited sheens and package sizes available.\*\*\***  
**Contact your Sales Representative or Rudd Customer Service for details.**

## SPECIFICATIONS

Coverage	<b>320 sq ft per gallon</b> <b>@ 1 mil dry film thickness</b>
Viscosity	27-32 Seconds (#2 Zahn Cup @ 75° F.)
Sag Resistance	5 mils vertical @ 65-70° F.
Solids*	26.7–27.4% by wt 2.03–2.1 lbs per gal
VOC*	Calculated: 656–659 g/l (5.47–5.5 lb/gal)
HAP* Hazardous Air Pollutants	Pounds HAP per Gallon: 0.65–0.651 Pounds HAP per Pound Solids: <0.8 (actual 0.31–0.32) Pounds HAP per Volume Solids: 3.24–3.29
Dry to Sand	25-30 minutes @ 65–70° F.
Block Free	8 hours
*Variations depend on gloss. CAUTION: Thinning will reduce film build and may increase VOCs and HAPs unless using VOC Exempt and/or HAP-free thinner.	

## APPLICATION PRECAUTIONS

When finishing wood subject to frequent contact with water or high humidity, use Rudd PreCat Lacquer or Rudd Conversion Varnish.

UltraClassic 680 NC Lacquer has a natural pale amber tone and will continue to develop patina with age. This product is not suitable for use over white or pastel stains.

Do not use UltraClassic 680 NC Lacquer in heated spray equipment.

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 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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