

NuWave™

CLEAR WATER BASE PRECATALYZED LACQUER

Product Code: **280103**

NuWave™ Clear Water Base Lacquer is a single component, pre-catalyzed, high solids, finish ideal for interior wood surfaces. Rudd NuWave products are the perfect solution for on-site applications.

Ideal For

Doors and Millwork
Fixtures & Displays
Furniture
Cabinets & Casegoods

Meets KCMA performance standards
AIM complaint 275 g/l VOC
NESHAP compliant—JJ (furniture)
NESHAP compliant—QQQQ (doors & windows)
Meets LEED v4

Benefits

Non-yellowing
Very low odor
Exceptional adhesion
High Solids
Fast dry
Can be used self-seal
Easy to use
Ultra low/No 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: NuWave is designed for spray application through all types of spray equipment. Use corrosion resistant equipment with water base products. Recommended settings below are with trigger pulled.

Airless	No thinning required. 1000 to 1200 psi 409 spray tip. Note: Double orifice fine finish tips are NOT recommended.
Air Assist	No thinning required. 500 to 700 psi fluid pressure, 10 to 12 psi air cap, 409 spray tip.
HVLP	No thinning required. 28 psi air cap 1.4 fluid nozzle

THINNING: This product is designed to spray at package viscosity. Thinning is not recommended. However, if thinning is desired, thin sparingly with water. Thinning will reduce film build and may increase grain raise.

Note: *Thinning requirements may vary with changes in temperature and spray room conditions.*

AGITATION: This product must be kept under slow, constant agitation, to ensure proper mixing and to prevent sheen variations. **Do not shake.**

CLEAN UP: Use soap and water for wet product. For dried finish clean up, use lacquer thinner compliant with local air quality rules & regulations..

FINISHING SYSTEM

STAIN: When staining wood, use Rudd Colortools™ Water Base Spray Only Stain or Colortools™ Water Base Wiping Stain.

SEAL: Apply one coat (2-4 mils wet) of 280115 NuWave Clear Lacquer Sealer or use one coat of NuWave Clear Lacquer as its own sealer and allow to dry 25 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply two coats (3-5 mils wet) of NuWave Clear Lacquer. Allow 45-50 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.

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	
Hot Water Ring	Slight marking at 190° F after 30 minutes (recovers)

SPECIFICATIONS

Coverage	440 square feet per gallon @ 1 dry mil film thickness
Viscosity	25-30 Seconds (#2 Zahn Cup @ 75° F)
Sag Resistance	5 mils vertical @ 65-70° F
Solids*	29.7-33.3% by weight 2.5-2.8 lbs per gallon
VOC* (Volatile Organic Compounds)	Calculated: 236-262 g/l (2.0-2.2 lb/gal)
HAP* (Hazardous Air Pollutants)	Pounds HAP per Gallon: 0.013—0.014 Pounds HAP per Pound Solids: < 0.8 (actual 0.0048—0.0055) Pounds HAP per Volume Solids: < 0.48 (actual 0.0450—0.0501)
Dry to Sand	45 minutes @ 65-70° F
Block Free	18 hours @ 65-70° F
Sheen	SG: 40, ST: 20, FL: 10
*Variations depend on gloss CAUTION: Thinning will reduce film build and increase VOCs.	

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

APPLICATION PRECAUTIONS

Dry times may vary due to environmental controls, humidity and application methods.

Keep container closed when not in use. Store in the original container.

Do not store above 100°F (38.8°C). Keep from freezing. Best if used within 12 months of manufacture date.

Recommended for use with water base Colortools™ stains. If using over solvent base Colortools stains, allow stains to dry overnight prior to applying NuWave Clear Sealer or Lacquer.

This coating will have a milky appearance in can but will dry to a clear finish.

Excessive wet film thickness will result in a “blue” coloration of film. Coloration will disappear once the coating has dried completely.

Not recommended for use on MDF or as an exterior finish.

The use of stainless steel application equipment is recommended.

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.

Shipping & Storage Information

OSHA Flammability Class: Not applicable

DOT Class: Not regulated



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

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Rudd Company, Inc. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Rudd Company, Inc. quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY THE SELLER, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.