



RUDD COMPANY, INC
Manufacturers of Quality Coatings Since 1912

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WATER BASE

NuWave™

WATER BASE PRE-CATALYZED CLEAR LACQUER

Product Code: 280103

NuWave™ Water Base Clear 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
- California AIM complaint at 275 g/l VOC
- OTC Phase II compliant at 275 g/l VOC
- Utah AIM compliant at 275 g/l VOC
- NESHAP compliant—JJ (furniture)
- NESHAP compliant—QQQQ (doors & windows)
- Meets LEED 2009

Benefits

- Non-yellowing
- Very low odor
- Exceptional adhesion
- High Solids
- Fast dry
- Can be used self-seal
- Easy to use

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.

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.

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 one coat of NuWave Clear Lacquer as its own sealer. Allow to dry 45 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply two coats (3–4 mils wet) of NuWave Clear Lacquer. Allow 45 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.

AVAILABLE SHEENS*

Gloss	High Semi-Gloss	Semi-Gloss	Satin	Flat
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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	Pass at 190° F after 30 minutes
Edge Soak	Passed 24 hr KCMA test with no softening, discoloration or film defects

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*	29.7–32.9% by weight 2.5–2.8 lbs per gallon
VOCs* (Volatile Organic Compounds)	Calculated: 2.0–2.2 lb/gal 250–262 -g/l
HAPs* (Hazardous Air Pollutants)	Pounds HAPs per Pound Solid: 0.13–0.14 by weight
Dry to Sand	45 minutes @ 65–70° F
Block Free	18 hours @ 65–70° F

*Variations depend on gloss

CAUTION: Thinning will reduce film build and increase VOCs.

***Call for current Stock Sheens and 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.
- 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



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