

NuWave™

OPAQUE WATER BASE PRE-CATALYZED LACQUER DEEP BASE

Product Code: **280180**

NuWave™ Water Base Opaque Deep Base is a ready to use, pre-catalyzed, high solids tint base used to produce deep-tone colored finishes for interior wood surfaces. Rudd NuWave products are the perfect solution for on-site applications.

Ideal For Finishing

Doors and Millwork
Fixtures & Displays
Furniture
Cabinets & Casegoods

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

Performance Benefits

Very low odor
Exceptional adhesion
High solids
Achieve beautiful deep tone colors
Excellent hide
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 411 tip. Note: Double orifice fine finish tips are NOT recommended.
Air Assist	No thinning required. 600 to 800 psi fluid pressure 10 to 12 psi air cap 411 or 513 spray tip.
HVLP	No thinning required. 32-34 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

SEAL: Apply one coat (2-4 mils wet) of 280119 NuWave Opaque White Sanding Sealer or one coat of 280190 NuWave Opaque White Lacquer as its own sealer. Allow to dry 35 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply two coats (3-4 mils wet) of 280180 NuWave Opaque Deep Base Lacquer tinted to the desired color. Allow 35 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 1 hour

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

SPECIFICATIONS

Coverage	450 square feet per gallon @ 1 dry
Viscosity	35-40 Seconds (#2 Zahn Cup @ 75° F)
Sag Resistance	4 mils vertical @ 65-70° F
Solids*	30.9-33.3% by weight 2.64-2.89 lbs per gallon
VOC*	Calculated: 2.09-2.16 lb/gal
HAP* (Hazardous Air Pollutants)	Pounds per Gallon: 0.0133—0.0138 Pounds HAPs per Pound Solid: < 0.8 (actual 0.0049—0.0050) Pounds HAPs per Volume Solids:
Dry to Sand	35 minutes @ 65-70° F
Block Free	24 hours @ 65-70° F
Sheen	SG: ?, ST: 20
*Variations depend on gloss	

APPLICATION PRECAUTIONS

Tint with Colortools™ Water Base Colorants. Do not exceed 8 fluid ounces of colorant per gallon. Stir thoroughly. Do not shake (or be sure to allow sufficient time for bubble release after shaking).

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.

Not recommended for use as an exterior finish.

Test technique before using on MDF—apply very light coats to avoid excessive grain raise.

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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