

680 Vinyl Sealer

WATER-CLEAR PRE-CATALYZED SANDING SEALER

Product Code: **652124**

680 Vinyl Sealer is a water-clear pre-catalyzed, ready to use, sanding sealer for use with Rudd Clear PreCat Lacquers and Clear Nitrocellulose (NC) Lacquers.

Ideal for

Furniture
Millwork
Kitchen and Bath Cabinetry
Interior Wood Work

Federal AIM compliant 680 g/l VOC
NESHAP compliant—JJ (furniture)
NESHAP compliant—QQQQ (doors & windows)

Benefits

Water-clear
Non-yellowing
Superior water resistance
Excellent chemical resistance
Low odor
High build
Excellent hold out
Easy sand
Excellent flow and leveling
Super-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 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	No thinning required. 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 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.

CLEAN UP: Use lacquer thinner compliant with local air quality rules

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 680 PreCat Vinyl Sealer. Allow to dry 20 minutes*, sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply two coats (3-5 mils wet) of Rudd Clear NC or Clear Pre-Catalyzed Lacquer. 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 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. Dispose in safe, approved manner.

Read Safety Data Sheet and label before using.

SPECIFICATIONS	
Coverage	300 square feet per gallon @ 1 mil dry film thickness
Viscosity	21-25 seconds (#2 Zahn Cup @ 77° F)
Sag Resistance	5 mils vertical @ 65-70° F
Solids	27.2% by weight 2.07 lbs per gallon
VOC (Volatile Organic Compounds)	Calculated: 599 g/l (4.99 lb/gal)
HAP (Hazardous Air Pollutants)*	Pounds HAP per Gallon: 0.0315 Pounds HAP per Pound Solids: < 0.8 (actual 0.0166) Pounds HAP per Volume Solids: < 0.48 (actual 0.176)
Dry to Sand	20 minutes @ 65-70° F
CAUTION: Thinning will reduce film build and may increase VOCs and HAPs unless using VOC Exempt and/or HAP-free thinner.	

APPLICATION PRECAUTIONS

680 PreCat Vinyl Sealer has a limited shelf life of approximately 12 months unopened, from date of manufacture. Usability and performance may not be determined from viscosity. Shelf life will vary with storage conditions.

Do not use 680 PreCat Vinyl Sealer in heated spray equipment.

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 is not recommended for exterior use.

Clear finishes will not prevent natural (unstained) wood from changing color over time.

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 Pensky-Martin

OSHA Flammability Class: Flammable Liquid—Class IB

DOT Class: Paint, 3, UN 1263, PG II



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