

Prothane[™]

EXTERIOR CLEAR URETHANE

Product Code: **310590**

Prothane[™] is a professional quality single component urethane ideal for exterior doors and trim with moderate, indirect exposure. Prothane is a specially formulated quick dry system for production shop use.

Ideal For

Exterior Doors
Exterior Trim

Benefits

Tough and durable
Excellent mar resistance
Excellent gloss retention
Contains UV absorbers for added stability
Rich amber tone
Fast dry
Easy sand
Self seal system

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	Thin up to 20-30%. Spray at 28 psi through a 1.4 fluid nozzle.

THINNING: This product is designed to spray at package viscosity with most application equipment. If thinning is desired, use 650870 Premium Lacquer Thinner or MIBK.

Note: Thinning will reduce film build and may increase VOCs or HAPs. 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 variation.

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

FINISHING SYSTEM

STAIN: When staining wood, use Rudd Colortools[™] Dye Stains, Colortools[™] Spray Only Stain, or Colortools[™] Wiping Stain.

SEAL: Apply one coat (3-5 mils wet) of Prothane as its own sealer. Allow to dry 25 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply a minimum of two coats (3-5 mils wet) of Prothane Exterior Urethane. Allow 20-25 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. **See Precautions on back page.**

* Dry times vary with film thickness, temperature, humidity and air flow.

SAFETY PRECAUTIONS

Avoid breathing vapors, use a NIOSH approved cartridge respirator. Use pre-filters to avoid breathing spray particles or sanding dust.

Flammable Liquid and Vapor: 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 Prothane soaked rags, filters and sanding dust in water-filled, closed container prior to disposal. Dispose in safe, approved manner.

See Spontaneous Combustion precautions on back page.

Read Safety Data Sheet and label before using.

SPECIFICATIONS

Coverage	310 square feet per gallon @ 1 mil dry film thickness
Viscosity	33—37 seconds (#2 Zahn cup @ 75° F)
Sag Resistance	6 mils vertical at 65—70° F
Solids*	23.1—24.2% by weight 1.7—1.8 lbs per gallon
VOC* (Volatile Organic Compounds)	Calculated: 674—679 g/l (5.62—5.66 lb/gal)
HAP* (Hazardous Air Pollutants)	Pounds per Gallon: 5.50—5.54 Pounds HAP per Pounds Solids: 3.05—3.25 Pounds HAP per Volume Solids: 29.66—30.79
Dry to Sand	20 minutes @ 65—70° F
Block Free	12 hours @ 65—70° F
*Variations depend on gloss CAUTION: Thinning will reduce film build and increase VOCs.	

*** Contact your Sales Representative for available stock sheens and package sizes.***

APPLICATION PRECAUTIONS

All coats must be applied within 8 hours of the initial seal coat, or lifting may occur. Care should be taken to seal all edges, end grain and joints to provide adequate protection from moisture penetration.

Prothane Exterior Urethane should be used as a self seal system only.

Prothane Exterior Urethane must be sanded between all coats to ensure proper adhesion.

Do not use as a topcoat over lacquer sanding sealer, undercoater, or primer.

CAUTION: Overspray dust from Prothane Exterior Urethane is prone to spontaneous combustion. All overspray should be swept up regularly and disposed of properly.

Prothane Exterior Urethane contains UV absorbers to help preserve original appearance, gloss, and physical integrity of the coating. However, Prothane will yellow over time and may not be suitable as a finish over light colored woods or stains.

Prothane Exterior Urethane has a limited shelf life. For best results, use within 6 months of manufacturing date.

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. Prothane is formulated for use on exterior doors and trim with moderate indirect exposure to the elements.

Shipping & Storage Information

Flash Point: 45°F Pensky-Martin

OSHA Flammability Class: Flammable Liquid—Class IB

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



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.