

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 sanding dust. Keep free of dirt, grease, silicone oils, lubricants and other contaminants.

APPLICATION EQUIPMENT: This product may be applied with conventional air-spray, airless, air-assisted, or HVLP spray equipment.

THINNING: Use Rudd 650870 Premium Lacquer Thinner, MIBK. For additional open time use Rudd 650921 Retarder as needed.

Caution: Thinning with solvents will reduce film build and increase VOCs (unless using Acetone). 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 variation.

CLEAN UP: Use lacquer thinner or MIBK.

FINISHING SYSTEM

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

SEAL: Thin Prothane Exterior Urethane 100% using Rudd 650870 Premium Lacquer Thinner or MIBK. Apply one coat (3–4 mils wet) of Prothane as its own sealer. Allow to dry 20 minutes*. Sand with 220/320 grit silicon carbide sandpaper before finishing.

FINISH: Apply a minimum of two coats (4–6 mils wet) of Prothane Exterior Urethane thinning as follows:

- Conventional / HVLP: 20–30%
- Air Assist / Airless: No thinning required.

Allow 20 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: Keep away from heat, sparks and flame. Assure adequate ventilation during use. **See Spontaneous Combustion precautions on back page.**

Read Material Safety Data Sheet and label before using.

AVAILABLE SHEENS*

Gloss	Semi-Gloss	Satin	Flat
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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
VOCs* (Volatile Organic Compounds)	Calculated: 5.62–5.66 lb/gal 674–679 g/l
HAPs* (Hazardous Air Pollutants)*	Pounds HAP per Pounds Solid: 3.05–3.25
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.	

*Call for current 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 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 Pinsky-Martin

OSHA Flammability Class: Flammable Liquid—Class IB

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



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