



Architectural Coatings

GENERAL DESCRIPTION

ProLuxe Defthane Interior/Exterior Polyurethane is an oil modified urethane that gives professional results on a wide variety of wood surfaces. *Defthane* provides added protection from water, sun and wind damage. This advanced formula contains both UV absorbers and UV inhibitors to deliver excellent ultraviolet protection and help to prevent fading and discoloration caused by the damaging effects of the sun.

RECOMMENDED SUBSTRATES

Interior Wood Floors	Wood Cabinets
Interior/Exterior Wood Doors	Wood Garage Doors
Interior/Exterior Wood Furniture	Wood Trim
"Above Waterline" Marine Applications	

FEATURES / BENEFITS

SAME DEFT® FORMULA, NEW NAME
Interior/Exterior
Resists abrasion and common household chemicals
Protects against rain, sun and wind damage
Excellent ultraviolet protection
Excellent hardness
Exceptional sanding properties

CONFORMANCE STANDARD

VOC compliant – lower than Federal AIM

PRODUCT INFORMATION

PLX20	Clear Gloss
PLX23	Clear Semi-Gloss
PLX25	Clear Satin

PACKAGING

Quart (946 mL)
1-Gallon (3.78 L)

PPG *ProLuxe Defthane* Interior/Exterior Oil-Based Polyurethane Clear

PRODUCT DATA

PRODUCT TYPE:	Oil-Based Polyurethane
SHEEN:	Gloss, 90-98 @ 60° Semi-Gloss 45-55 @ 60° Satin, 15-25 @ 60°
VOLUME SOLIDS*:	43% +/- 2%
WEIGHT SOLIDS*:	50% +/- 2%
WEIGHT/GALLON*:	7.4 lbs. (3.4 kg) +/- 0.2 lbs. (91 g)
VOC:	< 450 g/L (3.8 lbs./gal.)

*Product data calculated on product PLX20.

COVERAGE: Up to 500 sq. ft. (46.5 sq. meters) per U.S. gallon (3.78 L) depending on surface texture and porosity.

Wet Film Thickness:	3.2 mils
Wet Microns:	81
Dry Film Thickness:	1.4 mils
Dry Microns:	36

Coverage figures do not include material loss due to application or mixing.

DRYING TIME:	Dry time @ 77°F (25°C); 50% relative humidity.
To Touch:	1 hour
To Recoat:	4-6 hours
To Service:	24 hours
Return-To-Service (floors)	5 days

Drying times listed may vary depending on temperature, humidity, film build, and air movement.

CLEANUP: Clean all brushes and applicators with paint thinner or mineral spirits. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH *PROLUXE DEFTHANE* MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

FLASH POINT:	110°F (43°C)
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GENERAL SURFACE PREPARATION

Surface must be clean and dry. Remove all loose and peeling paint, dust, dirt, grease, oils, wax, and any other surface contaminants.

NEW OR BARE WOOD: Stain if desired. When applying over stained wood, ensure stain is thoroughly dry. Sand with 180 to 220-grit sandpaper along the wood grain until smooth. Remove all dust.

PREVIOUSLY COATED WOOD: If the clean surface is in good condition, sand with 220-grit sandpaper. Remove all dust. If the finish is damaged or deteriorated, complete removal of the finish is recommended. Do not use over light-colored surfaces, wax, shellac, fresh lacquer, lacquer sanding sealer, silicones, or stearates.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted, NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

MAINTENANCE: Exterior clear finishes will degrade with time. Surfaces in direct sunlight or subject to more harsh environments may have to be recoated more often to maintain sheen and prevent degradation. Additional and/or maintenance coats will extend the life of the finish. Recoat at the earliest sign of peeling, cracking, or excessive wear.

NOTE: Tannin containing woods, such as redwood, red cedar, mahogany, Douglas fir, etc., contain tannic acid which tends to migrate to the surface and can discolor the finish. The discoloration is not harmful and can usually be removed by cleaning with a solution of four (4) ounces of oxalic acid to one gallon of warm water. Apply with a garden sprayer or heavy nap roller cover. Allow to sit on surface for 20 min. Rinse thoroughly with clean water. DO NOT ALLOW solution to dry on wood surface.

LIMITATIONS OF USE

FOR WOOD SUBSTRATES ONLY. Apply when air and surface temperature is between 50°F (10°C) and 90°F (32°C) and surface temperature is at least 5°F (3°C) above the dew point.. Do not apply in direct sunlight. Avoid painting late in the day when dew and condensation are likely to form, or if rain, snow or temperatures below 50°F (10°C) are expected within 48 hours.

Not recommended for large exterior wood surfaces, such as siding and decks. Do not use over PROLUXE® exterior wood stains and finishes. Do not use over light-colored surfaces, wax, shellac, fresh lacquer, lacquer sanding sealer, silicones, or stearates.

APPLICATION INFORMATION

Stir well before and during use. Do not shake. DO NOT THIN. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site or by calling 1-800-441-9695.

Application Equipment: Apply with a high-quality, natural bristle brush, pad, or spray equipment. Apply thin, even coats with the grain of the wood. For adequate protection on interior surfaces, two coats are required. A minimum of three coats are recommended for exterior applications or applications to interior floors. Between coats, sand with 220-grit or finer sandpaper along the wood grain until smooth. A powder should develop when lightly sanded. Do not use steel wool. Remove all dust.

Airless Spray: Pressure 700 to 800 psi; tip 0.011" to 0.015". Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

Brush: Natural Bristle Brush

Thinning: Do not thin.

Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 90°F	10 to 32°C
Substrate:	50 to 90°F	10 to 32°C

PRECAUTIONS

DANGER! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL OR FATAL IF SWALLOWED. CAUSES RESPIRATORY TRACT AND EYE IRRITATION. Inhalation of high concentrations of vapor may affect the central nervous system. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness. Can enter lungs and cause damage. Keep away from heat and flame. Do not breathe vapor or mist. Do not swallow. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Use personal protective equipment as required. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH PROLUXE DEFTHANE MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information. FIRST Aid:** If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. If on skin, rinse well with water. Wash with soap and water. Get medical attention if irritation develops. If inhaled, remove to fresh air. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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