

DEFTHANE® Polyurethane (450 VOC)

Interior/Exterior Platinum Protection for hard-use wood surfaces



Defthane Interior/Exterior Polyurethane is an oil modified urethane that gives the most 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. Defthane is ideal for stained or bare wood surfaces and ideal for wood doors, interior floors, furniture, trim, garage doors and more.

Proven Durability

- Protects against rain, sun and wind damage
- Excellent ultraviolet protection
- Enhances finished or unfinished wood
- Resists abrasion and common household chemicals

Plenty of Uses

Defthane provides durability and protection to a wide variety of interior and exterior surfaces. It's ideal for:

- Interior Floors
- Doors
- Furniture
- Cabinet
- Trim
- Metals
- "Above waterline" marine applications

Conformance Standard

VOC compliant – lower than Federal AIM



DFT20	Gloss	Quarts, Gallons
DFT020S	Gloss	Aerosol †
DFT23	Semi-Gloss	Quarts, Gallons
DFT023S	Semi-Gloss	Aerosol †
DFT25	Satin	Quarts, Gallons
DFT025S	Satin	Aerosol †

Product Data

PRODUCT TYPE: Oil Modified Urethane

SHEEN: DFT20 Gloss: 90+ (60°)
DFT23 Semi-Gloss: 45-55 (60°)
DFT25 Satin: 18-28 (60°)

VOLUME SOLIDS: 44 ± 1%

WEIGHT SOLIDS: 50 ± 1%

VOC*: <450 g/L

*Product data calculated on DFT20

WEIGHT/GALLON: 7.3 – 8.3

FLASH POINT: 110°F (43.33°C)

VISCOSITY* @77°F (25°C): 200 – 600 CPS

COVERAGE: Up to 500 sq.ft./gal; (46.5 sq.m/3.78 L)
depending on surface texture and porosity

Wet Film Thickness: 3.0 mils

Wet Microns: 76.2

Dry Film Thickness: 1.32 mils

Dry Microns: 33.5

*Coverage figures do not include loss due to surface irregularities and porosity or material loss due to application method or mixing.

DRYING TIME: Dry time @ 77°F (25°C); 50% relative humidity.

To Touch: 65 minutes

Tack-Free: 4 hours

To Recoat: 4 – 6 hours

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

CLEANUP: Clean all brushes and applicators with mineral spirits or paint thinner.

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

†Patented Fanspray™ Aerosol nozzle rotates to create a more precise vertical or horizontal fan spray pattern; allows for better control, less overspray and more even coverage.



Application Information

Stir thoroughly before using. Do not shake. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.** Read all label and Material Safety Data Sheets (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

Application Equipment: Apply with a brush, paint pad, aerosol or by spray equipment; Airless, HVLP, Conventional. **DO NOT THIN.**

Application Method: Always apply with the grain of the wood using a smooth, even stroke.

General Surface Preparation

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

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. In Canada contact a regional Health Canada office. Follow these instructions to control exposure 1 to other hazardous substances that may be released during surface preparation.

DANGER! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL OR FATAL IF SWALLOWED. MAY BE HARMFUL IF INHALED. MAY CAUSE EYE IRRITATION. Can enter lungs and cause damage. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Contains material that can cause target organ damage. Keep away from heat, sparks and flame. Do not breathe the vapor or mist. Do not swallow. Do not get on skin or clothing. Avoid contact with eyes. Wash thoroughly after handling. Keep container tightly closed and sealed until ready for use. 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 DEFTHANE Interior/Exterior Polyurethane MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.** **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. **WARNING:** This product contains a chemical known to the State of California to cause cancer. Keep out of the reach of children. **SEE MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT.** For workplace use, an MSDS is available from your retailer or by calling (412) 492-5555. **EMERGENCY SPILL INFORMATION:** (412) 434-4515 (U.S.).

BARE WOOD: Sand with 180 to 220 grit sandpaper along the wood grain until smooth. Remove all dust.

Defthane can be applied direct to wood or to enhance the color of the wood, use Deft Interior Oil Based or Water Based stains.

PREVIOUSLY COATED WOOD: If the clean surface is in good condition, sand with 180 – 220 grit sandpaper. Remove all dust. Test Defthane in a small area. If it wrinkles or lifts, strip to bare wood. If the finish is damaged or deteriorated, complete removal of the finish is recommended.

RECOAT: For adequate protection two or more coats are required. A minimum of three coats are recommended for exterior applications or applications to interior floors. Sand with 180–220 grit sandpaper along the wood grain until smooth. Remove dust.

Limitations of Use

Do not apply when the air, coating or surface temperature is below 50°F (10°C).

For exterior applications, avoid application late in the day when dew or condensation is likely to form or if rain is anticipated. These products are not intended for immersion service or other extreme conditions. Not recommended in situations characterized by high heat or presence of corrosive chemicals. **Not for use on exterior floors or decks.**

Do not attempt to use on prewaxed wood flooring. Follow flooring manufacturer's coating recommendations. Do not apply over sanding sealers or shellacs. Defthane may amber after application. It is not recommended to use Defthane over light colored surfaces.