

# Defthane® Polyurethane

## *Indoor/Outdoor Platinum Protection for hard-use wood surfaces.*

Defthane® Polyurethane gives professional results on any wood surface. It is the heavy-duty choice for sealing and finishing INTERIOR and EXTERIOR wood, metal or marine (above waterline) surfaces.

### **Proven Durability.**

- Tough finish outlasts varnish 3 to 1.
- Enhances finished or unfinished wood.
- Resists abrasion, marring, alcohol and other common household chemicals.
- Used on the R.M.S. Queen Mary for over 25 years.

### **Quick & Easy.**

- Goes on smooth with a brush, pad or roller.
- Apply over old finish (read label instructions).
- Easy to touch-up.

### **Protects Hard Use Interior/Exterior Areas.**

- Floors
- Doors
- Furniture
- Cabinets
- Metal
- Great for use as an “above waterline” marine spar finish

Note: Defthane Polyurethane ambers over light colored surfaces.

### **Finishes and Sizes.**

- Available in three finishes: Gloss, Semi-Gloss, and Satin.
- Sizes include: Aerosol, Quart, Gallon, and 5-Gallon Pail.
- Also offered in VOC Compliant Formulas for SCAQMD and OTC.

### **Convenient Aerosol Cans.**

- Ideal for small projects, quick touch-ups or hard-to-reach areas.
- Patented Fanspray™ nozzle rotates to create a more precise vertical or horizontal fan spray pattern; allows for better control, less overspray and more even coverage.



### **APPLICATION:**

Wear rubber gloves while working with any stain or finish product. If staining, note dry time on stain label before finishing.

#### **FINISHING UNFINISHED INTERIOR/EXTERIOR WOOD:**

1. Sand wood and wipe off dust.
2. Apply first coat with long, smooth strokes. Let dry for 4-6 hours (450 VOC) or 6-8 hours (275 VOC).
3. Sand smooth, remove dust.
4. Apply 2 more thin coats. Where exposure or wear is severe, apply additional coats. Let dry 4-6 hours between coats (450 VOC) or 6-8 hours between coats (275 VOC).
5. Use paint thinner (mineral spirits) for clean up.
6. Sand and repeat when first signs of deterioration appear.



The Wood Finish People

# PRODUCT INFORMATION

# DEFTHANE® POLYURETHANE

**DESCRIPTION:** DEFTHANE is an Interior and Exterior Oil Modified Urethane Varnish, with great acceptance by professionals and do-it-yourself finishers throughout the United States and beyond. NASA has used Defthane on the Space Shuttle for over 20 years. Use Defthane on stained or bare wood for furniture, floors, doors, cabinets, windows, etc. Non-toxic when dry.

## SPECIFICATIONS

### SOLVENT TYPE

Mineral Spirits

### RESIN TYPE

Oil Modified Urethane

### FINISH (at 60 degrees)

Gloss 90+ %, Semi-Gloss 45-55 %, Satin 18-28 %

### COLORS

Clear

### BASES

Not available

### BASES

Not available

### VISCOSITY AT 77° F (25° C)

200 - 600 CPS

### VOC CONTENT

Available at 275 g/L and at 450 g/L (as supplied). Meets the federal AIM Rule.

### SOLIDS BY VOLUME\*

275 VOC: 59 ± 1%  
450 VOC: 44 ± 1%

### SOLIDS BY WEIGHT\*

275 VOC: 63 ± 1%  
450 VOC: 50 ± 1%

### WEIGHT PER GALLON

7.3 - 8.3

### COMPOSITION BY WEIGHT\*

	275 VOC :	450 VOC :
Vehicle	63 %	50 %
Solvents and Additives	37 %	50 %

### RECOMMENDED FILM THICKNESS PER COAT

Wet: 3.0 mils      Dry: 1.5 mils  
Apply three coats for best performance.

### PRACTICAL COVERAGE PER COAT AT THE RECOMMENDED DRY FILM THICKNESS

500 - 600 sq.ft. /gal. depending on surface conditions.

### AVERAGE DRY TIME AT 77° F (25° C)

To Touch:	90 mins (275 VOC)	65 mins (450 VOC)
Recoat:	6-8 hrs (275 VOC)	4-6 hrs (450 VOC)
Tack-free:	6 hrs (275 VOC)	4 hrs (450 VOC)
Final Coat:	36 hrs (275 VOC)	18 hrs (450 VOC)

### APPLICATION EQUIPMENT

Brush, Airless Spray, HVLP Spray, Conventional Spray

### PACKAGING

Pints, Quarts, Gallons, 5 Gallons, Drums and Aerosols

### MATERIAL SAFETY DATA SHEET

[www.deftfinishes.com/trade](http://www.deftfinishes.com/trade)

### SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, and other contaminants. Remove all loose, peeling, or cracked coatings. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded, and cleaned. Glossy surfaces should be dulled to provide a roughened surface for good adhesion.

### THINNING RECOMMENDATIONS

DEFTHANE is supplied at application viscosity. In VOC (Volatile Organic Compound) regulated areas, it is not permitted to add additional solvent. Where permitted, the addition of mineral spirits (5% - 10%) will improve flow and leveling for spray application.

### CLEANUP

Use paint thinner (mineral spirits) for cleanup. Dispose of waste in accordance with applicable laws and regulations.

### PRIMER

Do not apply over sanding sealers or shellac.

### OTHER SYSTEM INFORMATION

DEFTHANE can be used over most well cured stains and penetrating oils such as DEFTOIL and STEP-SAVER. Try a small test area before doing the entire project.

### WARNING

DEFTHANE may amber after application. For that reason, it is not recommended to use DEFTHANE over light colored surfaces.

### COMBUSTION

The solvents in DEFTHANE are combustible; provide ventilation and avoid all ignition sources during application and drying.

\*Not specification values. Representative values calculated based on product formulas and ingredient characteristics as reported to Deft by suppliers.