



The Wood Finish People

PRODUCT INFORMATION

WATER BASED POLYURETHANE

DESCRIPTION: WATER BASED POLYURETHANE is formulated with the latest water based oil modified urethane technology. Deft's "OSC" technology provides excellent hardness, durability, UV protection, and weather resistance. This innovative product offers exceptional sanding characteristics, self-priming, and non-toxic when dry. It meets environmental regulations for VOC. It is crystal clear protection for interior and exterior furniture, doors, floors, windows, window-frames, and other hard use wooden areas. Easy application, low odor, and water clean-up.

SPECIFICATIONS

SOLVENT TYPE

Water

RESIN TYPE

Modified Urethane

FINISH (at 60°)

Gloss 85+ %; Semi-Gloss 45-55 %; Satin 18-28%

COLORS

Clear

BASES

Not available

VISCOSITY AT 77 °F (25 °C)

50 – 56 K.U. (Stormer Viscometer)

VOC CONTENT

200 g/L maximum (less water)

100 g/L maximum (material VOC)

SOLIDS BY VOLUME*

28 ± 1 %

SOLIDS BY WEIGHT*

30 ± 1 %

WEIGHT PER GALLON

8.5 – 8.7

COMPOSITION BY WEIGHT

Vehicle 30 %

Water, co-solvents and additives 70 %

RECOMMENDED FILM THICKNESS PER COAT

Wet: 3 mils Dry: 0.8 mil

Apply three coats for best performance.

PRACTICAL COVERAGE PER COAT AT THE RECOMMENDED DRY FILM THICKNESS

Up to 500 sq.ft. /gal. depending on surface conditions.

AVERAGE DRY TIME AT 77 °F (25 °C)

To Touch: 30 minutes Recoat: 2 hours

Tack-free: 90 minutes Final coat: Allow 24 hours dry

APPLICATION EQUIPMENT

Brush, Pad, Roller, or Spray

PACKAGING

Quart, Gallon, and 5-Gallon Pail.

MATERIAL SAFETY DATA SHEET

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.

Water Based Polyurethane will cause some grain raising. Light sanding, with fine sandpaper will remove the swollen wood fibers.

THINNING RECOMMENDATIONS

Water Based Polyurethane is supplied at application viscosity. Thinning is not recommended.

CLEANUP

Soap and water cleanup. Dispose of waste in accordance with applicable laws and regulations.

PRIMER

Water Based Polyurethane is a self-priming product.

OTHER SYSTEM INFORMATION

Water Based Polyurethane can be applied over well cured stains and penetrating oils. However, make sure the stain has been wiped off the surface completely, and has dried thoroughly in accordance with manufacturer's instructions. Test a small area before finishing the entire project.

WARNING

Water Based Polyurethane does not adhere to finishes containing **Zinc Stearate**.

Do not apply Water Based Polyurethane over Deft's Lacquer Based Clear Wood Finish, exterior decks, factory pre-finished flooring, wax, shellac, or silicone.

PROTECT FROM FREEZING

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