



# PRODUCT DATA SHEET

## ZAR® ULTRA MAX WATERBORNE OIL MODIFIED POLYURETHANE

### DESCRIPTION

ZAR ULTRA MAX Waterborne Oil Modified Polyurethane is an environmentally safe, clear wood finish specially formulated to protect and beautify floors, cabinets, furniture and woodwork. Self-leveling for a smooth finish. This fast drying, low-odor formula features superior hardness and mar resistance for outstanding wear and durability.

Natural ambering enhances wood tones. Dual Drying Technology makes the polyurethane dry by coalescing and oxygen cross-linking for a harder "through cure". Child safe when dry. "Exotic Hardwood Approved"-Ideal for use on Teak, Brazilian Walnut and other exotic wood species.

### SURFACE PREP

**New Wood:** Sand smooth using fine sandpaper, vacuum sanding dust. Wipe clean using a tack-cloth or microfiber cloth. Do not use steel wool. If open-grained woods are to be filled, use a filler that does not contain stearates or waxes, such as ZAR Wood Patch.

#### Old Clear Finishes in Good

**Condition:** Remove grease, dirt and wax. Sand lightly in the direction of the grain to remove any gloss. Do not use steel wool. Vacuum all sanding dust. Wipe clean using a tack-cloth or microfiber cloth. If the old finish contains wax or stearates, regardless of condition, remove completely. Clean dust with cloth dampened with paint thinner or mineral spirits.

#### Old Clear Finishes in Poor

**Condition, Lacquer or Shellac:** Remove completely. Do not use

steel wool. Sand and vacuum all sanding dust. Wipe clean using a tack-cloth or microfiber cloth. If wood is to be stained, use ZAR Wood Stain or ZAR ULTRA MAX Wood Stain. Allow Wood Stain to dry a minimum of 3 hours. For water-based wood stains or oil-based wood stains other than ZAR, follow manufacturer's drying directions.

**NOTE:** To ensure satisfactory results, always prepare a sample or test the product on an inconspicuous area to determine compatibility prior to completing the entire job. Do not apply over finishes containing stearates or aluminum oxide.

### APPLICATION

Apply when air and surface temperatures are above 50 and the relative humidity is less than 60%. Stir all sheens except ZAR ULTRA MAX Gloss Polyurethane thoroughly before and during application. Stirring is not required for ZAR ULTRA MAX Gloss Polyurethane finish. Do not shake! Apply straight from the can. DO NOT THIN. Use a clean synthetic fiber brush or use a foam pad. Do not apply with a roller. Apply thin coats at a rate of 400-500 sq.ft. per gallon in the direction of the grain. Too thick a coat may appear milky when dry. Do not over brush or trap air bubbles in the finish. Avoid over-brushing which may trap air bubbles in the finish and result in streaks. Make final pass of applicator a skimming stroke across the entire surface.

#### FLOOR APPLICATION

If floor is to be stained prior to applying ZAR ULTRA MAX, let stain dry according to manufacturer's drying directions. Areas with poor ventilation such as closed rooms, corners and hallways may take

longer to dry. Prepare surface as above. Use a light weight T-Bar with a synthetic applicator or use a foam pad and spread the finish towards the opposite wall following the wood grain. Hold the applicator using a snowplow technique to maintain a wet edge. When approaching the end of a run, turn the applicator towards you and spread out excess material parallel to the wet edge. Feather out all turns. For maximum protection, apply 3 coats of ZAR ULTRA MAX. Allow floors to dry 24 hours before subjecting to light foot traffic; 3-5 days before moderate (normal) traffic or moving furniture. To avoid marring floor, lift and place furniture. One week is required before maximum resistance is achieved. Do not cover floors with rugs before one week has elapsed. If floor should become marred or scratched, simply sand lightly using fine sand paper, vacuum all sanding dust, wipe clean with a tack cloth or microfiber cloth, apply another coat to repair the finish.

### DRYING

Dries to the touch in 30 minutes, can be recoated after 2 hours. Drying time will be affected by temperature, humidity and film thickness. If while sanding, sandpaper gums or surface feels tacky, extend drying time.

### CLEAN-UP

Clean brushes and tools immediately after use with warm soapy water.

### COVERAGE

Covers up to 400-500 sq.ft. per gallon. Apply 2 coats, for floors apply 3 coats.

### CAUTION

Use only with adequate ventilation. Keep out of reach of children. For additional information please refer to the Material Safety Data Sheet.

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### PRODUCT CHARACTERISTICS

Viscosity	54 to 60 Ku
pH	8.0 to 9.0
% Solids by Weight	28 to 30
% Solids by Volume	28 to 30
Coverage	400 to 500 ft. <sup>2</sup> /Gallon/Coat
Recommended film thickness/coat	≈4 wet mils
VOC Content	<250 g/L
<b>Sheen Ranges:</b>	
Gloss	85+ at 60°
Semi-Gloss	65 to 75 at 60°
Satin	40 to 50 at 60°
Antique Flat	15 to 25 at 60°
May be thinned up to 10% with water for use as a first coat.	

### AVAILABILITY

ZAR ULTRA MAX is available in quart and gallon containers and can be purchased at paint stores, hardware stores, home centers and lumberyards.

