

## 450 VOC WOOD FINISH

### DESCRIPTION:

Oil modified urethane Varnish.  
A clear coating formulated to provide a durable, solid protective film.

### ADVANTAGES:

- Superior Gloss
- Superior Abrasion resistance
- Superior Lightest in color
- Excellent finish hardness
- Excellent rubber burn resistance
- Easy application
- 450 VOC compliant

### PACKAGING:

Available in 1, 5 and 55 gallon containers.

### COVERAGE:

400-500 sq. ft/ gal. Recoat 16-36 hrs.

### ASSOCIATED PRODUCTS:

- WP-4 Fast Dry Poly sealer
- TC-1 Tie coat sealer
- WP-15 Waterless Cleaner
- WP-16 Dust Mop treatment
- WP-17 Neutral cleaner

### RELATED EQUIPMENT:

- Single disc, low speed floor machine (150 - 200 rpm). 17 - 20 inch diameter disc.
- #100 and #120 grit Abrasive disc screens
- 24 inch push broom for sweeping and tacking
- Terry cloth towels for use as tack rags
- Putty knife or scraper
- K-200 E-Z way applicator
- KV-4400 replacement pads for the K-200

### SURFACE PREPARATION:

Note: Follow MFMA and NOFMA guide lines for acclimation time of wood prior to installation, sanding, and finishing.

An adhesion test patch is strongly recommended to determine coating compatibility over a previous waterbased, or unknown finish. If **WP-8** is compatible, then proceed to Previously coated floors . If it's not compatible, then anchoring **WP-8** down with a seal coat of **TC-1** tie coat is strongly recommended.

### DIRECTIONS:

#### Previously coated floors

- 1) Remove any masking tape or gum with a putty knife. Clean the floor of dirt, dust mop treatments, etc with **WP-17** floor cleaner.

### GENERAL PROPERTIES:

		ASTM
Color	6 - 8	D1544
Viscosity	A2 - A	D1545
Weight/Gallon	7.4 - 7.5 Lbs	D1475
Solids	50+/- 1%	D1644
Flash Point	105°F	D56

### MFMA TESTS:

Sanding	Pass
Hardness	Pass
Abrasion resistance	Pass
Flexibility	Pass
Coefficient of friction	Pass
Maintenance	Pass

### CHEMICAL RESISTANCE:

Stain resistance	Pass
Alcohol resistance	Pass
Naphtha resistance	Pass
Cola resistance	Pass
Beer resistance	Pass
Perspiration resistance	Pass

- 2) Allow the floor to dry thoroughly.
- 3) Screen the floor with #100 grit screens (250 sq. ft per side) until the gloss is removed.
- 4) Tack rag the floor using **WP-15** waterless cleaner.
- 5) Proceed to **Finish coats**.

### New floors or sanded to bare wood

- 1) Screen the floor smooth using #100 grit screens (250 sq. ft per side).
- 2) Vacuum, then tack rag the floor with **WP-15** waterless cleaner.
- 3) Allow the floor to dry to a dull, gloss less surface.

### Seal coat application

- 1) With a lambs wool applicator or a foam pad seal the bare wood with **WP-4** Fast Dry Sealer.
- 2) Allow 2 - 4 hours dry for each coat.
- 3) Minimum of two coats of **WP-4** sealer is recommended.
- 4) Remove raised grain with a #120 grit screen, then tack rag with **WP-15** waterless cleaner.
- 5) Line marking paint can then be applied.

### LINE MARKING:

- 1) Before using paint every color should be tested for compatibility, not just brands.

### Recommended paints:

Ace:	Rust Preventative/ Alkyd Quick Drying Enamel
True Value:	True Test X - O RUST
Valspar:	Vitra-Guard industrial Maintenance Enamel

- 2) Apply line markings between the second and third coats. Follow the directions on the paint label for application.
- 3) Lay out the court with masking tape as required and apply the paint.
- 4) To ensure crisp lines allow paint to dry 1-2 hours before pulling up the tape.
- 5) Allow the lines to dry for a minimum of 24 hours.
- 6) Abrade the lines lightly with #120 grit screens.

### FINISH COATS:

- 1) With a lambs wool applicator or a foam pad apply **WP-8** varnish going with the grain, do not puddle finish.
- 2) Allow over night dry (18 Hrs min. 36 hrs max.) before recoating. Finish with a second coat of **WP-8**.
- 3) If cured over 24 hours abrade floor with a #120 grit screen, do not use #100 grit here.
- 4) Allow 48 hours cure before light traffic and 5 - 7 days before athletic activities.

Adequate ventilation is imperative during the curing process. Dry times will vary based upon the drying conditions. Do not apply when temperature is above 95 F or below 65 F, or when humidity is above 80%. Clean up with mineral spirits.

### MAINTANCE:

- 1) Use **WP-16** for daily dust mopping of the floor. See label for instructions.
- 2) Use **WP-17** for more stubborn dirt removal. See label for instructions.
- 3) Try to limit street shoe traffic as much as possible. Place walk off mats at all entrances to collect dirt and grit that otherwise would be tracked onto the floor. Clean mats often. Avoid dragging tables and chairs across the floor which can cause excess damage to the floor.

### TROUBLE SHOOTING:

Slow dry:	Low curing temperatures, High humidity, Lack of ventilation, and air movement after application.
Streaks:	Product applied too thin.
Fisheyes:	A foreign material on the surface, like oil, grease, or silicone.
Wrinkling:	Recoating too soon, Too heavy an application, Puddling finish.
Bubbling:	Overworking the product with applicator, Shaking the finish before applying, High temperatures during application.
Peeling:	Improper floor preparation.
Dirt particles:	Applicator Not "De-Fuzzed" loose fibers in the film, Room vents not sealed during the application.

Screen marks: Using a too aggressive screen between coats.

### CAUTION:

- 1) Keep away from heat and flames.
- 2) Avoid prolonged breathing of vapors or mist.
- 3) Open doors and windows to ensure fresh air entry during application and drying. If necessary wear respiratory equipment (NIOSH/ MSHA TC-23C or equivalent).
- 4) Avoid skin contact, eye contact, or clothes contamination.

### FIRST AID:

- 1) Skin contact wash with soap and water.
- 2) Eye contact flush with water for 15 minutes and get medical attention.
- 3) If swallowed do not induce vomiting, get medical attention immediately.
- 4) If experience watering eyes, headaches, dizziness, nose or throat irritation; increase the flow of fresh air, or leave the area.

### NOTICE:

- 1) Long term overexposure to solvents have been associated with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
- 2) Oil soaked rags should be air dried before discarding to limit spontaneous combustion. In case of a large spill absorb in inert material and dispose in accordance with local regulations.
- 3) Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container.

### DISPOSAL:

All label warnings must be observed until the container has been commercially cleaned, reconditioned, or disposed of in accordance with local government regulations.

**Refer to Material Safety Data Sheet** for further safety and handling information.

**For Emergency Medical Information call  
1-800-228-5635 Ext. 047**

**KEEP OUT OF REACH OF CHILDREN**

35484  
Revision: 1/6/99 cwg

#### WARRANTY STATEMENT

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