

WP-14

REDUCED VOC, 1-COAT POLYURETHANE

Technical Data Sheet**DESCRIPTION:**

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

ADVANTAGES:

- Superior Gloss
- Abrasion resistance
- Excellent rubber burn resistance
- Lightness in color
- 275 VOC compliant
- One coat high solids finish

PACKAGING:

Product is available in 1 and 5 gallon containers.

COVERAGE:

350-450 sq. ft/ gal

ASSOCIATED PRODUCTS:

- **WP-4** Fast Dry Polyurethane Sealer
- **WP-15** Waterless cleaner
- **WP-16** Dust Mop treatment
- **WP-17** Neutral cleaner
- **VALSPAR** Paints

RELATED EQUIPMENT:

- Single disc floor machine, low speed (150 - 200 rpm). 17 - 20-inch diameter #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
- Weighted lambs wool applicator

SURFACE PREPARATION:

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

DIRECTIONS:

NOTICE: THIS PRODUCT IS DESIGNED TO BE USED AS IS THEREFORE THINNING OR REDUCING WITH SOLVENTS IS NOT RECOMMENDED.

Previously coated floors

A test patch is strongly recommended to determine adhesion compatibility over a previous water base, or unknown finish.

- 1) Remove any masking tape or gum with a putty knife. Clean the floor of dirt, dust mop treatments, etc with **WP-17 neutral cleaner**.
- 2) Allow the floor to dry thoroughly.
- 3) Screen the floors 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 coat (back page)**.

GENERAL PROPERTIES:

		ASTM
Color	6 - 8	D1544
Viscosity	D - E	D1545
Weight/Gallon	7.6 - 7.8 Lbs.	D1475
Solids	57+/- 1%	D1644
Flash Point	105°F	D56
VOC	<275 g/L	

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

Newly installed floors or sanded to bare wood

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

Seal coat application

- 1) With an EZ-way applicator, lambs wool applicator, or a foam pad seal the bare wood with **WP-4 Fast Dry Sealer**.
- 2) Allow 2 - 4 hours dry with good ventilation for each coat.
- 3) Minimum of two coats of **WP-4 Fast Dry 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:**Recommended paints
VALSPAR Anti-Rust enamel paints**

- 1) Before using paint every color should be tested for compatibility, not just brands.
- 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 6 - 8 hours.
- 6) Abrade the lines lightly with #120 grit screens.

FINISH COAT:

- 1) With a weighted lambs wool applicator or a weighted foam pad, apply **WP-14 One Coat Polyurethane** going with the grain. Do not puddle finish.
- 2) Allow over night dry (24-hrs. min.) before reentering the room.
- 3) If cured over 24 hours abrade floor with a #180 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.

MAINTENANCE:

- 1) Use **WP-16 dust mop treatment** for daily dust mopping of the floor. See label for instructions.
- 2) Use **WP-17 neutral cleaner** 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 the 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 irritations, increase the flow of fresh air, or leave the area.

NOTICE:

1. **SPONTANEOUS COMBUSTION:** Dust created from screening oil based finishes and rags soaked with oil and dust can auto-ignite causing a fire. DO NOT store or throw away the dust and oil soaked rags into a closed vacuum or trash can. Immerse the dust in water and open the rags to air dry before discarding the waste. High temperatures, high humidity and freshly applied seal increase the potential for a fire.
2. Long term overexposure to solvents has been associated with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
3. In case of a spill absorb with inerts like sawdust or "oil dry" and wipe clean with **WP-15 waterless cleaner**. Dispose in accordance with local regulations.
4. 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
1-888-345-5732**

KEEP OUT OF REACH OF CHILDREN

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