

MINWAX® Technical Data Sheet
MINWAX® WOOD FINISH 250 V.O.C. Compliant

DESCRIPTION:

Minwax® Wood Finish™ 250 V.O.C. Compliant Stain is an oil-based wood stain which provides long-lasting wood tone color. Wood Finish penetrates into wood pores to seal, protect, and become part of the wood, not just a surface film. It does not raise the wood grain, therefore, does not need additional sanding after application.

RECOMMENDED USE:

Designed for all interior wood surfaces including floors. Use only on dry, bare wood or over itself.

SURFACE PREPARATION:

WARNING! Removal of old paint by sanding, scraping, or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center as 1-800-424-LEAD (in US) or contact your local health authority.

Sand the wood in the direction of the grain. Start with a medium-grade sandpaper (#120) and work your way to final sanding of fine-grade sandpaper (#220). To achieve a darker stain color, use coarser sandpaper (#150-#180) on your final sanding. Remove all sanding dust. Make sure surface is dry, clean, and free of dirt, grease, glue, and old coatings before staining.

To help ensure even color penetration and beautiful results, pretreat soft or porous woods such as pine, maple, alder, and birch with Minwax® Pre-Stain Wood Conditioner. To determine if you are working with soft wood, press your fingernail against a hidden section of the wood. If you make a dent, the wood is soft and needs conditioning. Apply Wood Conditioner, allow to penetrate for 5-15 minutes, and then wipe off excess. Apply stain within 2 hours of pretreatment.

PRODUCT PREPARATION AND COLOR TESTING:

Stir stain thoroughly before and occasionally during use.

Always test stain on a scrap piece or hidden area of wood to verify desired color.

NOTE: Minwax® Wood Finish™ labeled “250 V.O.C. Compliant” is not compatible with other Minwax® Wood Finish™ stains. Do not mix other Minwax® Wood Finish™ stains with stains labeled “250 V.O.C. Compliant.”

To lighten any Minwax® Wood Finish™ color labeled “250 V.O.C. Compliant”, add Minwax® Wood Finish™ Natural 209, labeled “250 V.O.C. Compliant” to the mixture prior to staining.

STAIN APPLICATION:

SPECIAL NOTE: This product has been formulated to comply with environmental regulations that limit V.O.C. (Volatile Organic Compound) content to 250 grams per liter. It contains higher concentrations of quality resins

that lead to a thicker consistency than ordinary stain. Be sure to follow label directions carefully, especially as they pertain to application and coverage rate.

- 1) Apply stain in the direction of the grain with a brush or clean cloth.
- 2) Allow the stain to penetrate a maximum of 5 minutes to achieve desired color.
- 3) Be sure to remove excess stain with a clean cloth. Wipe in the direction of the grain, while blending light and dark areas to obtain uniform color.
- 4) To darken color, apply a second coat after 4- 6 hours – Repeating directions for application of first coat. Do not sand between coats of stain.
- 5) Dry time may be extended due to high humidity, low temperatures, or inadequate ventilation.

CLEAR FINISH APPLICATION:

After a minimum of 12 hours, complete your project by applying a clear protective finish such as Minwax® Wipe-On Poly, Minwax® Fast-Drying Polyurethane, Minwax® Super Fast-Drying Polyurethane, Minwax® Helmsman® Spar Urethane, and/or Minwax® Clear Shield.

For a low odor, water clean-up clear finish, apply Minwax® Polycrylic® Protective Finish after 24 hours.

Water clean-up finishes such as Polycrylic® should not be used over Red Mahogany stain.

Minwax® Wood Finish™ Pickled Oak should be top coated only with a water clean-up finish such as Polycrylic®.

CLEANUP/STORAGE:

For easy cleanup, use paint thinner or pure mineral spirits.

SAFETY:

DANGER! HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE! VAPOR HARMFUL. IRRITATES EYES, SKIN AND RESPIRATORY TRACT.

CAUTIONS: CONTAINS ALIPHATIC HYDROCARBONS. Contents are **COMBUSTIBLE**. Keep away from heat and open flame. **VAPOR HARMFUL.** Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NISH approved) or leave the area. Avoid contact with skin and eyes. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other container for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents that can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**

CONFORMS TO ASTM D-4239. Contact a physician for more health information.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

PHYSICAL PROPERTIES:

		<u>Testing method:</u>
Resin type:	Oil Modified Alkyd/Hydrocarbon Resin	
Solvent:	Mineral Spirits	
Odor:	Mineral Spirits	
Application time:	5 minutes maximum	
No. of coats:	1-2	
Dry-time:	12 hours minimum	
Flash point:	>102° F (Combustible)	ASTM D 93
Applicator:	Natural bristle brush or lint-free cloth	
V.O.C. (grams/liter):	250 maximum	ASTM D 3960
Coverage (sq.ft. /gal.):	approx. 500	