

MINWAX Technical Data Sheet

MINWAX® Fast-Drying Polyurethane 550 V.O.C.

DESCRIPTIONS:

Minwax® Fast-Drying Polyurethane 550 V.O.C. is a clear oil-based, durable protective finish.

Available in Clear Satin, Clear Semi-Gloss and Clear Gloss.

RECOMMENDED USE:

It provides long lasting protection and beauty to interior wood surfaces such as furniture, cabinets, doors and floors. Its superior durability makes it ideal for use on all your wood surfaces. For exterior use, we recommend Helmsman® Spar Urethane.

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 a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

APPLICATION NOTES:

1. Surface must be dry and free of old finishes in poor condition, paint, wax, grease, polish, dirt and other foreign matter.
2. Sand to obtain a smooth, uniform surface. Remove all dust with a cloth dampened with mineral spirits.
3. Stir Minwax® Fast-Drying Polyurethane before and during use to eliminate settling on the bottom of the can. Stir in such a manner as to rotate the product from the bottom to the top of the can. NEVER SHAKE.
4. Apply a THIN coat of Minwax® Fast-Drying Polyurethane using a high quality natural bristle or foam brush.
5. Let dry 3-4 hours. Lightly sand entire surface with 220 grit sandpaper to ensure an even finish and proper adhesion. Remove all dust.
6. Apply a second coat. If a third coat is desired, repeat step 5 before application.
7. After final coat, allow 24 hours before light use.

When used on wooden floors, use a lambswool or synthetic pad applicator or a natural bristle brush and maintain a wet edge to avoid lap marks. For maximum durability, we recommend three coats. Avoid heavy traffic and replacing of furniture for 72 hours after the final coat. When replacing furniture, do not slide. Do not install rugs or clean floors for 7 days.

Slight ambering may be experienced when polyurethane is applied over light-colored wood surfaces. Always spot test on an inconspicuous area to ensure satisfactory results. For light-colored wood surfaces, we recommend protecting with Minwax® Polycrylic® Protective Finish.

Maximum V.O.C. 550 grams/liter. Thinning is not recommended.

DRY TIME:

Dry times are based on application of thin coats, good ventilation, average temperature of 77°F and 50% relative humidity. Lower temperature, higher humidity, lack of air movement or excessive application will extend dry time.

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Always test tackiness between coats. Do not sand or recoat when surface is tacky.

MAINTENANCE:

To clean surfaces protected by MINWAX® Fast Drying Polyurethane 550 V.O.C., we recommend a gentle cleaner such as MINWAX® Wood Cleaner.

CLEANUP/STORAGE:

Use mineral spirits or paint thinner, following manufacturer's safety instructions.

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 (NIOSH/MSHA TC23C or equivalent) or leave the area. **Avoid contact with eyes and skin.** Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers 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. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents, which 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 THE REACH OF CHILDREN. CONFORMS TO ASTM D-4236** 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:

		Testing method:
Resin type:	Linseed Oil-Modified Polyurethane	
Solvent:	Mineral Spirits	
Odor:	Mild Hydrocarbon	
Luster (@ 60°):	Satin 25 +/- 5	ASTM D 523
	Semi-Gloss 57 +/- 5	ASTM D 523
	Gloss 90 minimum	ASTM D 523
No. of coats:	2 - 3	
Dry-time:	Recoat: 3-4 hours;	ASTM D 1640 &
	Final coat: 24 hours (light use)	Gardner circular
Dry film thickness:	1 mil/coat	
Flash point:	>101°F (SETAFLASH*)	SETAFLASH*

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Applicator:	Natural bristle or foam brush, lambswool or synthetic pad	ASTM D 3828
VOC (grams/liter):	550 maximum	ASTM D 3960
Coverage (sq. ft/qt):	125	
% Solids:	37.5– 41.5	ASTM D 2369
Pounds/gallon:	7.2	
Viscosity (centipoises):	50 – 90	

*SETAFLASH is a registered trademark of Stanhope-Seta Limited.