

MINWAX<sup>®</sup> Technical Data Sheet  
MINWAX<sup>®</sup> FAST-DRYING POLYURETHANE 350 V.O.C.

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**DESCRIPTION:**

Minwax<sup>®</sup> Fast-Drying Polyurethane is a clear, oil-based, durable protective finish.

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**RECOMMENDED USE:**

Minwax<sup>®</sup> Fast-Drying Polyurethane provides long lasting protection and beauty to any interior wood surface including furniture, cabinets, doors, and floors. Its superior durability makes it ideal for use on all your wood surfaces. For exterior use, we recommend Helmsman<sup>®</sup> Spar Urethane.

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**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 the US) or contact your local health authority.

1. Surface must be dry and free of old finishes in poor condition, wax, grease, polish, dirt or other foreign matter.
2. Sand to a smooth, uniform surface. Remove sanding dust.
3. If desired, apply stain, such as Minwax<sup>®</sup> Wood Finish™ Stain or Minwax<sup>®</sup> Gel Stain, to unfinished wood surfaces. Follow directions for application and dry times.

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**APPLICATION NOTES:**

**Product Preparation**

- Stir Minwax<sup>®</sup> Fast-Drying Polyurethane before and during use to eliminate settling on the bottom of the can. Stir to rotate the product from the bottom to the top of the can.  
**NEVER SHAKE.**

## **Application:**

1. Apply a THIN coat of Minwax® Fast-Drying Polyurethane using a high quality natural bristle brush or foam brush.
2. Let dry 4-6 hours. Then lightly sand entire surface with fine sandpaper (220 grit) to ensure an even finish and proper adhesion. Remove all dust. For floor projects, use a square buff orbital or disk-type sander with 220 grit sandpaper or the equivalent grit pad or screen (specifically designed for sanding between coats). Do not use a belt or drum-type sander for sanding between coats. Follow the sander manufacturer's directions for your type of project.
3. Apply a second coat. If a third coat is desired, repeat step 2 before application.
4. After final coat, allow 24 hours before light use.

When used on hardwood 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.

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## **DRY TIME :**

Dry times are based on good ventilation, a temperature of 77°F and 50% relative humidity. Lower temperature, higher humidity, lack of air movement or application of thick coats will extend drying times. Always test tackiness between coats. Do not sand or re-coat when surface is tacky. 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 or Minwax® Ultimate Floor Finish.

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## **MAINTENANCE**

To clean surfaces protected by Minwax® Fast-Drying Polyurethane, we recommend a gentle cleaner designed for wood surfaces.

<p><b>DANGER:</b> 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.</p>
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## CLEANUP/STORAGE

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Use mineral spirits or paint thinner following manufacturers' safety instructions. Do not store near heat, sparks, open flames or other sources of ignition. Close container after each use. Store only in original container. Keep out of reach of children.

## SAFETY

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**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 approved) 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 a 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 may 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.**

**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.

**WARNING! COMBUSTIBLE! VAPOR HARMFUL, IRRITATES EYES, SKIN AND RESPIRATORY TRACT.**

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## PHYSICAL PROPERTIES:

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		<u>Testing method:</u>
Resin type:	Linseed Oil-Modified Polyurethane	
Solvent:	Mineral Spirits	
Odor:	Mild Hydrocarbon	
Luster (@ 60°):	Satin 25 +/- 6	ASTM D 523
	Semi-Gloss 50 +/- 5	ASTM D 523
	Gloss 90 minimum	ASTM D 523
No. of coats:	2-3	
Dry-time:	Recoat: 4-6 hours; Final coat: 24 hours (light use)	ASTM D 1640 Gardner Circular
Dry film thickness:	1.5 mil/coat	
Flash point:	>101°F (SETAFLASH*)	SETAFLASH* ASTM D 3828
Applicator:	Natural bristle brush, lambswool	
VOC (grams/liter):	350 maximum	ASTM D 3960
Coverage (sq. ft/gal):	500-600	
% Solids:	53.0 – 57.0	ASTM D 2369
Pounds/gallon:	7.8 – 8.1	
Viscosity (centipoises):	160 – 260	

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