

MINWAX® Technical Data Sheet
MINWAX® Water Based Polyurethane

DESCRIPTION:

A clear, ultra fast-drying finish that combines superior durability with the warmth and beauty of traditional polyurethane. Because it's water-based, it has little odor and cleans up easily with warm water. It protects and adds beauty to interior wood surfaces such as furniture, cabinets, floors and doors.

- **Superior Durability**
- **Ultra Fast-Drying**
- **Low Odor**
- **Easy Water Clean-Up**

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

RECOMMENDED USE:

Designed for interior wood surfaces.

SURFACE PREPARATION:

Surface must be dry and free of old finishes in poor condition, paint, wax, grease, polish, dirt and other foreign matter.

APPLICATION NOTES:

PRECAUTIONS:

Surface must be dry and free of old finishes in poor condition, paint, wax, grease, polish, dirt and other foreign matter. Slight ambering may be experienced when applied over light-colored surfaces. Always spot test on an inconspicuous area to ensure satisfactory results.

- 1) Sanded to obtain a smooth, uniform surface. Remove all sanding dust. Thoroughly wipe clean with a damp cloth. Allow to dry completely.
- 2) Stir MINWAX® Water Based 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.
- 3) Apply a thin coat of MINWAX® Water Polyurethane using a high quality synthetic bristle brush or foam brush.
- 4) Let dry 2 hours. Then lightly sand entire surface with fine sandpaper (220 grit) to ensure an even finish and proper adhesion. Remove all dust.
- 5) Apply a second coat. MINWAX® Water Based Polyurethane requires a third coat. Repeat step 4 before application.
- 6) After final coat, allow 24 hours before light use.

When used on wood floors, use a lambswool or synthetic pad applicator and maintain a wet edge to avoid lap marks. For maximum durability three coats are required. 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.

*Read all label directions and cautions carefully before use.

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.

MAINTENANCE:

To clean surfaces protected by MINWAX® Water Based Polyurethane, we recommend a gentle cleaner such as MINWAX® Wood Cleaner. For floors use MINWAX® Hardwood Floor Cleaner.

CLEANUP/STORAGE:

Clean application tools with warm water immediately after use.

SAFETY:

CAUTIONS: CONTAINS DIMETHYLETHANOLAMINE AND 1-METHYL-2-PYRROLIDONE.

Contains material that may cause reproductive effects and may adversely affect the developing fetus based on animal data. Use with adequate ventilation. To avoid over exposure, 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 (NOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **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.**

PHYSICAL PROPERTIES:

		Testing method:
Resin type:	Oil Modified Polyurethane Dispersion	
Solvent:	Water, 2-Methoxymethylethoxypropanol, Dimethylethanol Amine, 1-methyl-2-Pyrrolidone	
Odor:	Mild Amine	
Luster (@ 60°):	Satin 25 +/- 5	ASTM D 523
	Semi-Gloss 55 +/- 5	ASTM D 523
	Gloss 90 minimum	ASTM D 523
No. of coats:	2 - 3	

Dry-time:	Recoat:	2 hours;	ASTM D 1640 &
	Final coat:	24 hours (light use)	Gardner circular
Dry film thickness:	0.6 mil/coat		
Flash point:	>200°F (SETAFLASH*)		SETAFLASH*
			ASTM D 3828
Applicator:	Natural bristle or foam brush, lambswool or synthetic pad		
VOC (grams/liter):	275 maximum		ASTM D 3960
Coverage (sq. ft/gal):	Approx. 500		
% Solids:	29.0 – 31.0		ASTM D 2369
Pounds/gallon:	8.62 – 8.94		
pH:	7.00 – 9.00		
Viscosity (centipoises):	90 – 170		

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