

**MINWAX® Technical Data Sheet**  
**MINWAX® Clear Brushing Lacquer (All Sheens)**

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**DESCRIPTION:**

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Minwax® Clear Brushing Lacquer is a beautiful, clear, durable protective wood finish. It is ideal for interior wood surfaces, and can be used over bare or stained wood. It dries to the touch in 30 minutes, ensuring a smooth, dust-free finish. Recoat in only two hours, with no sanding needed between coats. The finish flows evenly across the wood to provide a smooth surface. Once Minwax® Clear Brushing Lacquer has been applied, another coat can be applied at any time without having to remove the old lacquer finish.

Minwax® Clear Brushing Lacquer acts as its own sealer. You can also use Minwax® Clear Brushing Lacquer Sanding Sealer for added smoothness.

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

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**RECOMMENDED USE:**

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Designed for interior wood surfaces. May be used over bare wood or surfaces coated with Minwax® Wood Finish and Minwax® Clear Brushing Lacquer Sanding Sealer. Also compatible with Minwax® Gel Stain and Minwax® Waterbased stains.

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**SURFACE PREPARATION:**

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**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.

Surface must be dry and free of old finishes in poor condition, paint, wax, grease, polish, dirt or other foreign matter. Sand to obtain a smooth, uniform surface.

**Note:** Do not apply Minwax® Clear Brushing Lacquer over a surface that has been coated with polyurethane. Polyurethane must first be removed before Minwax® Clear Brushing Lacquer is applied.

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**APPLICATION NOTES:**

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1. Remove all dust with a cloth dampened with mineral spirits. Apply Minwax® Wood Finish stain, if desired, following label directions.
2. Stir Minwax® Clear Brushing Lacquer well before and during use to rotate the product from the bottom to the top of the can. NEVER SHAKE.
3. Apply a coat of Lacquer using a high quality natural bristle brush. On unfinished wood, apply sufficient Lacquer to seal open joints, edges and end grain.
4. Let dry at least two hours, then apply a second coat.
5. Apply a third coat, repeating the steps above for each coat. Apply a fourth coat, if desired.
6. After final coat, allow at least 24 hours before normal use.

## **PRECAUTIONS:**

Slight ambering may be experienced when Lacquer is applied over light colored stains or wood surfaces. Always spot test on an inconspicuous area to ensure satisfactory results. Minwax® Clear Brushing Lacquer is not formulated for use on floors. To protect floors, use Minwax® Super Fast-Drying Polyurethane for Floors or Minwax® Water Based Polyurethane for Floors.

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## **DRY TIME:**

Dry times are based on good ventilation, temperature of 77°F and 50% relative humidity. Lower temperature, higher humidity, lack of ventilation or application of thick coats will extend dry time. Always test tackiness between coats. Do not re-coat if surface is still tacky.

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## **MAINTENANCE:**

Damp wiping with Minwax® Hardwood Floor Cleaner is recommended. Mild detergent and water may also be used. Do not use abrasive pads.

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## **CLEANUP/STORAGE:**

For easy cleanup, use lacquer thinner. 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.

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## **SAFETY:**

**DANGER! FLAMMABLE! VAPOR HARMFUL. IRRITATES EYES, SKIN AND RESPIRATORY TRACT. CAN BE ABSORBED THROUGH THE SKIN.**

**CAUTIONS: CONTAINS ACETATES, ALCOHOLS, AND KETONES.** Contents are **FLAMMABLE**. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. **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 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.**

## PHYSICAL PROPERTIES:

		<b>Testing Method:</b>
<b>Resin Type:</b>	Nitrocellulose, Coconut Alkyd	
<b>Solvent:</b>	n-Butanol, Xylene, Methyl n-Amyl Ketone, Di-isobutyl Ketone, n-Butyl Acetate, Acetone	
<b>Odor:</b>	Strong Ketone Odor	
<b>Luster (@60°):</b>	Satin            20 ± 5 Semi-gloss    50 ± 5 Gloss            90 ± 5	ASTM D523 ASTM D523 ASTM D523
<b>No. of coats:</b>	3 – 4	
<b>Dry-time:</b>	Dry to touch: 30 minutes Re-coat: 2 hours Final coat: 24 hours	ASTM D1640& Gardner circular
<b>Dry film thickness:</b>	0.75 – 1.0 mil/coat	
<b>Flash point:</b>	<100°F (Flammable)	SETAFLASH* ASTM D 3828
<b>Applicator:</b>	Natural Bristle Brush	
<b>VOC (grams/liter):</b>	680 maximum	ASTM D 3960
<b>Coverage (sq.ft./gal.):</b>	100 – 150	
<b>% Non-Volatile:</b>	24.50 – 27.50	ASTM D 2369
<b>Pounds / gallon:</b>	7.5 – 7.7	
<b>Viscosity (centipoise):</b>	70 - 120	

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