

MINWAX® Technical Data Sheet
MINWAX® PRE-STAIN WOOD CONDITIONER

DESCRIPTION:

Minwax® Pre-Stain Wood Conditioner is specifically designed for use before staining new or bare softwood surfaces. It penetrates the grain of the wood to promote uniform acceptance of stain. Wood Conditioner penetrates the pores of the wood, reducing the amount of stain the larger pores will absorb. This evens out the absorption of stain, greatly reducing streaking and blotching.

RECOMMENDED USE:

Designed for use on any soft or porous wood surface - Common examples include pine, fir, and spruce (soft) or maple, alder and aspen (porous).

To determine if you are working with softwood, press your fingernail against a hidden section of the wood. If your nail leaves an impression or dent in the wood consider using the Pre-Stain Wood Conditioner. Pre-Stain should be used to avoid an uneven stain color. Pre-Stain Wood Conditioner may be used on all wood types but may limit or reduce the overall stain color on hard woods and less porous wood types.

SURFACE PREPARATION:

Use on clean, raw wood surface. Remove all dust and debris using a soft cloth dampened with mineral spirits.

APPLICATION NOTES:

- 1) Apply the Pre-Stain Wood Conditioner before staining on clean, raw wood, using a brush or cloth.
- 2) Allow the Wood Conditioner to penetrate 5-15 minutes, and then remove excess Conditioner with a clean dry cloth.
- 3) The stain should be applied **within** two hours of application of Pre-Stain Wood Conditioner. For best results, stain with Minwax Wood Finish, Minwax Gel Stain, Minwax Polyshades, or Minwax WoodSheen.
Note: Minwax® Pre-Stain Wood Conditioner is not recommended for use with water-based stains. For the Minwax Water-Based Stains, pretreat wood with the Minwax Water-Based Pre-Stain Wood Conditioner.
Note: For long-lasting protection, complete your project with Minwax Fast-Drying Polyurethane, Minwax Polyacrylic, or another fine Minwax protective clear finish.
Note: When using alder wood, it is recommended to let the Pre-Stain Wood Conditioner set for 2 hours before staining.

PRECAUTIONS: Do not allow Minwax Pre-Stain Wood Conditioner to dry before staining. This will minimize the wood texture and/or grain pattern as well as limiting the overall stain color penetration.

CLEANUP/STORAGE:

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

SAFETY:

***Read all label directions and cautions carefully before use*.**

CAUTIONS: Contents are **COMBUSTIBLE**. Keep away from heat and open flame. Prevent buildup of vapors by using cross ventilation. **CONTAINS: ALIPHATIC HYDROCARBONS. VAPOR HARMFUL. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.** 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. **HARMFUL IF SWALLOWED.** If swallowed do not include vomiting. Get medical attention immediately. **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. **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. **KEEP OUT OF REACH OF CHILDREN. CONFORMS TO ASTM D-4236.** Contact a physician for more health information.

PHYSICAL PROPERTIES:

		<u>Testing method:</u>
Resin type:	Modified Linseed Oil/Hydrocarbon Resin	
Solvent:	Mineral spirits	
Odor:	Mild hydrocarbon	
No. of coats:	1 - Additional coats may be applied on highly absorbent woods	
Dry-time:	15 Minutes	
Stain application:	After 15 minutes but no more than 2 hours	
Flash point:	>101 Fahrenheit	SETAFLASH*
Applicator:	Brush or cloth	
VOC (grams/liter):	350	
Coverage (sq. ft./gal.):	500	
% Solids:	10.24 +/- .5	ASTM D 2369
Specific gravity:	.796 +/- .005	ASTM D 2369
Pounds/gallon:	5.85	
Viscosity (centipose):	50cps	ASTM D 2196

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