

# Highland Wood Oil Installation Guidelines

One gallon covers approximately 300-600 sf based on surface porosity.

**PROPERTIES:** A bio-based, agriculturally renewable, oil based, interior and exterior wood stain. It restores, enhances and protects natural beauty of wood is easy to apply and has a pleasant citrus aroma. Provides excellent UV protection and will not harm the environment. Protects against algae, fungus and mildew growth.

**DESCRIPTION:** An effective, robust, agricultural oil based all purpose stain. Agriculturally renewable and will not harm the ozone. All Natural Materials. High solids formulation yet does not build up or peel off. Anti mold, mildew and algae formulation. Citrus and Castor oil based formula providing exceptional heat resistance and durability. Excellent UV protection. Contains transparent iron oxides to protect and enhance the natural warmth and beauty of wood. Contains: pure tung oil, citrus solvent, camuba wax, manganese drier, plant based flattening agent and an APE, PFAS and formaldehyde free mildew inhibitors.

**DIRECTIONS FOR USE:** The preparation process should be followed to ensure adequate penetration, coloration and optimum performance of this product. Proper surface preparation is an important factor in the ultimate performance and look of coatings on wood surfaces.

**SURFACE PREPARATION:** All surfaces to be stained should be thoroughly cleaned (free of any other prior coatings or stains), and free of mold or mildew prior to the application of Highland Wood Oil. Highland Wood Oil must be allowed to penetrate the wood for optimum performance. To be sure there is nothing to prevent Highland Wood Oil from penetrating, test the wood by sprinkling water on the surface. If all the water is absorbed into the wood, Highland Wood Oil will be able to penetrate into the surface of the wood. If the water beads on the surface of the wood or if the surface has an uneven color from prior coatings, a paint/stain stripper or sanding may be required to remove any other pre-existing coatings, sealers, paints, stains, preservatives, etc. If Highland Wood Oil is applied over another coating, sealer, paint, to remove any other pre-existing coatings, sealers, paints, stains, preservatives, etc. If Highland Wood Oil is applied over another coating, sealer, paint, stain etc., the wood surface may become tacky, blotchy or discolored. Clean surface by gently power washing or cleaning with deck cleaner. If mold/mildew/fungus/algae are present, treat wood surface with mold/mildew treatment prior to staining. Follow instructions on treatment and rinse off thoroughly. If wood has been stripped, a neutralizer must be used to stop the caustic action of the stripper prior to coating. Follow instructions on stripper for neutralizing. If sanding has been performed or if the wood is new, it is recommended to open the wood pores by using a wood brightener such as oxalic acid. After cleaning, use a wood brightener such as oxalic acid to open the pores of the wood and clean nail bleeds and discolored areas. Rinse thoroughly. Once the surfaces of the wood have been prepared, the wood needs to be thoroughly dry. A moisture content of 15% or below is optimal for stain application. If the moisture content is too high, the wood will not accept the stain very well. Prior to staining, tape and tarp off perimeter area to protect against spills, over spray or drips on surfaces that are not being stained. Before using stain perform a trial brush-out in an inconspicuous area to ensure the desired color is achieved. Replace rotted, extremely weathered or warped wood. This product will not repair existing wood damage such as cracking, checking, splintering, or splitting.

**Application New Unfinished Wood:** Apply two wet on wet coats of Highland Wood Oil to the wood surfaces. Apply the product when the temperature is above 60°F and when no precipitation is expected for 24 hours. To prevent

premature evaporation, do not apply to wood that is hot to touch or in direct sunlight. Apply with a natural or synthetic bristle brush, stain pad, 1/2" nap stain roller, airless sprayer, or dip for at least 3 minutes. When spraying, make sure to back brush along the grain to remove any drips and ensure even coverage and to remove any puddles. Do not over saturate surface with stain or allow puddles. Dry brush, dry roll or wipe excess off surface 30 minutes after application to avoid shiners, tackiness, excessive dry time or uneven appearance. Apply second coat within 1 hour of first coat for horizontal surfaces and within 6 hours for vertical surfaces. Do not allow to dry fully between coats. This product must penetrate the surface to work properly. The second coat will take approximately one half the amount of stain of the first coat. Clean-up over sprays, drips or splashes with citrus-based cleaner or mineral spirits immediately.

**Previously Oil Stained Wood:** Apply one coat of Highland Wood Oil to the wood surfaces. Apply the product when the temperature is above 60°F and when no precipitation is expected for 24 hours. To prevent premature evaporation, do not apply to wood that is hot to touch or in direct sunlight. Apply with a natural or synthetic bristle brush, stain pad, 1/2" nap stain roller, airless sprayer, or dip for at least 3 minutes. When spraying, make sure to back brush along the grain to remove any drips and ensure even coverage and to remove any puddles. Do not over saturate surface with stain or allow puddles. Dry brush, dry roll or wipe excess off surface 30 minutes after application to avoid shiners, tackiness, excessive dry time or uneven appearance. Apply second coat within 1 hour of first coat for horizontal surfaces and within 6 hours for vertical surfaces only if the first coat soaked in quickly. Clean-up over sprays, drips or splashes with citrus-based cleaner or mineral spirits immediately.

## TEST SAMPLE APPLICATION IS CRUCIAL TO DETERMINE PENETRATION AND QUANTITY REQUIREMENTS

**Dry Time:** Allow a minimum of 24 – 48 hours before walking on deck. Wait 72 hours to reposition furniture on wood surfaces.

**Clean-up:** Clean brushes with hot soapy water, citrus cleaner or mineral spirits. Highland Wood Oil is combustible, please dispose of rags and other materials safely.

**Maintenance:** Semi-annual cleaning with mild soap and water using a broom or brush to scrub the wood surface is recommended. This may be needed more often in areas where dirt and debris gather on the wood surface.

**CAUTION:** • Keep out of reach of children. **FIRST AID: IN CASE OF EYE CONTACT immediately flush eyes with plenty of water for at least 15 minutes. IN CASE OF SKIN contact, wash with soap and water.**

**WARNING:** • **Combustible Liquid. Highland Wood Oil is combustible, please dispose of rags and other materials safely. CONTACT immediately flush eyes with plenty of water for at least 15 minutes. IN CASE OF SKIN contact, wash with soap and water. IN CASE OF INHALATION of vapor or spray mist remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give air. Get immediate medical attention. IF SWALLOWED do not induce vomiting. Get immediate medical attention.**

**STORAGE & DISPOSAL:** Store in a cool dry location away from direct sunlight. Store below 100°F. Dispose according to State and Federal Regulations.

**ENVIRONMENTAL HAZARDS:** Use in a well ventilated area.

**IN CASE OF FIRE:** Use dry chemicals, foam, water, fog, carbon dioxide or CO<sub>2</sub>. Cool closed containers with water. **DO NOT MIX HIGHLAND WOOD OIL WITH ANY OTHER PRODUCT OR PRODUCTS. DO NOT DILUTE. IN CASE OF EMERGENCY CALL: CHEMTREC 1-800-262-8200 V.O.C. 110G/LITER MAX**

The manufacturer warrants that for five (5) years from the date of purchase on vertical surfaces, and for three (3) years from the date of purchase on horizontal surfaces, Highland Wood Oil will have the following points of performance when applied according to label instructions to properly prepared unpainted natural or pressure treated wood. If this product fails to perform as specified above, return the unused portion along with proof of purchase and provide wood samples of disputed area to be tested by the manufacturer. The manufacturer may at the manufacturer's discretion, refund the price paid for the product or replace it with an equivalent amount of new product. The manufacturer is not liable for the cost of labor; direct, incidental, or consequential damages; or any remediation directly or indirectly associated with product performance. This warranty allows specific legal rights; other rights vary from state to state.

Manufactured by: GDC/Building For Health - Waukesha WI. [www.thegreendesigncenter.com](http://www.thegreendesigncenter.com)