



PURE TUNG OIL

- DESCRIPTION:** Pure Tung Oil is obtained from the seeds of a tropical tree—the Tung tree (*Aleurites fordii*). It is a member of the Spurge family, and can also be known as China Wood Oil or Nut Oil. The seeds found in the centre of the tung fruit contain more than 50% Tung Oil, which is available when the seeds heated, ground and pressed. The oil is amber coloured, and contains a high proportion of eleostearic acid.
- GENERAL:** Tung Oil is one of the world's oldest and best natural wood preservers. For hundreds of years, the Chinese have used Tung Oil to waterproof marine timbers. The oil penetrates deeply into the wood's structure, forming an almost permanent seal against moisture, because it never loses its elasticity.
- USES:** For finishing timber. Widely used as a drier in varnishes and paints. Pure Tung Oil can also be used to seal concrete mud brick (adobe) and other similar construction types. More suited for interior use than exterior, due to lack of UV resistance.
- PREPARATION:** Pure Tung Oil cannot be used over existing skin or film building finishes. These must be completely removed by sanding or stripping prior to application. Ensure the surface to be treated is clean, dry and free of sawdust etc before application.
- APPLICATION:**
1. On timber, pure Tung Oil is too thick to be applied direct. It should be thinned to give greater coverage and better penetration. A good ratio to start with is 50% Tung Oil and 50% solvent. (An ideal thinner for pure Tung Oil is Citrus Turpentine). This ratio should be adjusted according to the density of the timber. A hardwood should have more solvent and less Tung Oil, whereas a softwood would have more Tung Oil and less solvent. Pure Tung Oil can be used without thinning to seal raw concrete or earth construction (adobe etc.)
 2. Apply a thin coat to all accessible sides of the timber. The mix can be brushed, clothed or sprayed. Work well into the surface, and wipe off any excess. Allow to dry overnight, then buff with fine grade steel wool or fine (600 grit) wet and dry sandpaper.
 3. Apply a second coat as above. Additional coats may be applied if the timber still looks dry, but avoid trying to build a film with too many coats, as the ultimate finish may look patchy and dull, and will remain sticky.
 4. Allow the oil to fully cure before subjecting to moisture. Drying time will be variable depending on the number of coats, moisture content of the timber and the ambient temperature and humidity while drying. Drying time may be as long as 28 days.
- COVERAGE:** Anywhere from 1 to 12 square metres per litre, depending on whether the timber is dressed or rough sawn, hardwood or softwood.
- SIZES:** 1 litre, 4 litre, and 20 litre containers.
- MAINTENANCE:** To clean, wipe surface with a mild solution of water and detergent. A plant based soap is better, as a chemical detergent may strip oil from the surface. Use a synthetic scourer to remove grime. In need, apply a light coat of oil mix as above.
- SAFETY:** Keep containers tightly closed when not in use, and store in a dark, cool, well ventilated area. When in use, keep clear of heat, sparks and other sources of ignition. Use with adequate ventilation. Avoid contact with the skin, as prolonged use may irritate, or cause dermatitis. Wash skin thoroughly with soap and water. If swallowed, seek medical advice.
- HANDLING:** Store with lid tightly closed in a cool place. Clean up with a solvent such as citrus turpentine, then clean in warm soapy water. **SOAK CLOTHS IN HOT SOAPY WATER, RINSE AND HANG TO DRY AS THEY MAY SELF IGNITE IF LEFT UNATTENDED.** Keep out of reach of children. Use in a well ventilated area. If swallowed, seek medical advice.

CONDITIONS: OUR INFORMATION IS GIVEN IN GOOD FAITH, AND IS BASED ON RESULTS OBTAINED FROM EXPERIENCE AND TESTS. HOWEVER, AS THE ACTUAL END USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, ALL RECOMMENDATIONS AND SUGGESTIONS ARE MADE WITHOUT GUARANTEE. NO AGENT OR REPRESENTATIVE OF NATURAL OILS LTD HAS THE AUTHORITY TO WAIVE OR ALTER THESE CONDITIONS.