

Finishing treatments for wooden surfaces.

IS IT:

☒ *Product*

☐ *Technology*

☐ *Equipment*

APPLICABLE FOR:

☒ *Restoration*

☒ *Rehabilitation*

☐ *New Construction*

APPLICABLE ON:

☐ *1. Foundations and underground structures*

☐ *2. Vertical structures*

☐ *3. Horizontal structures and vertical connections*

☐ *4. Roof and terraces*

☐ *5. Façade and building envelope*

☒ *6. Finishes and completion elements*

☐ *7. Integrated services*

☐ *8. General strategies for building recovery*

Related companies: Pure Tung oil.

DESCRIPTION

Pure Tung oil is a drying oil extracted from the seed of the tung tree, which is native to China and a few other Asian countries.

It deeply penetrates into the wood to enhance aspect and water resistancy while creating a great wood finish.

It is recommended for wood siding, wood flooring, concrete, stone, brick and any porous surface.

The oil has been used for centuries as a water-resistant finish for boats and other wooden objects, as well as to finish stone.

WHY TO USE

- Pure Tung oil is a 100% pure oil without any heavy metals, additives, or distillates.
- It resists marring, penetrates well, and is environmentally friendly.

HOW TO USE AND APPLY

The surface should be free of oil, dirt, grease and any other contaminants.

Old wooden surfaces need to be sanded with 150-grit sandpaper, to facilitate oil absorption.

A thinner will make the tung oil easier to apply, faster to dry, and will improve penetration. Thinner can be mineral spirits (paint thinner), citrus solvent (all natural thinner), odorless mineral spirits or turpentine.

You can apply the oil with a natural bristle brush, a paint roller, a finish pad or a soft and lint-free rag. Apply the oil liberally to the surface up to wood cell saturation.

After the first application, let the oil absorb. Then, apply a second coat. Continue this process, waiting 40 minutes between each treatment, until over 80% of the surface remains glossy for at least 40 minutes. This means the wood cells have been saturated.

Functional surfaces that will be handled, used, or walked on will need a minimum of three to five coats.

After multiple coats applications, and the wood does not absorb any more oil, use a clean rag to wipe the surface. If there are any patches of oil on the surface, mop them

up with the rags. This is important to prevent the oil from polymerizing on the surface.

The Pure Tung Oil finish will take 15 to 30 days to fully cure depending on temperature and number of applications. For the first 10 days of curing, check and wipe up any tung oil that may seep to the surface.

TECHNICAL CHARACTERISTICS

All natural finish that is water and alkali resistant and offers a protective barrier.

Will not darken with age. It resists marring, penetrates well, elastic, it consolidates the wood surface, and builds a transparent matte finish.

It will not mildew. It contains no thinners or driers and has a light nutty odor.

It presents a natural "Honey" color.

Tung Oil works by oxidation with the air and polymerizes.

RECOMMENDATIONS AND OTHER INFORMATION

Tung Oil is approved for food contact by the FDA. <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?FR=175.300>

Tung Oil is ASTM Quality Tested to be light in colour with the highest amount of reactive sites to ensure drying and a great wood finish.

The safety data sheet can be downloaded from the company's website.

EXAMPLES

- Zero VOC's
- Naturally polymerizing finish
- Cures by oxidation, not evaporation
- Form a flexible waterproof finish
- Resists abrasion and acids
- Does not blister and peel (properly applied)
- Combined with "Citrus Solvent" makes an all-natural finish.
- FDA approved for food contact.



REFERENCES / SOURCES AND LITERATURE

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?FR=175.300>

Books: Patents, Technology and Bibliography of China Wood Oil (Tung Oil); For Use as a Reference Book of the Oil, Varnish, Rubber, Linoleum, and Kindred Industries Volume 1. Publisher: Rarebooksclub.com, ISBN: 9781236758965, 9781236758965.

WEBSITE OF THE COMPANY

<https://www.realmilkpaint.com/shop/oils/pure-tung-chinawood/>

IMAGES AND CAPTIONS



Fig.1: Before and after. © <https://www.artisansupplies.com.au/product/pure-tung-oil-100/>