



OIL TUNG

PRODUCT IDENTIFICATION

Belinka tung oil

DESCRIPTION

The Belinka tung oil is an impregnation agent used for the protection of weather exposed wooden elements made of more resistant types of wood, and of wood built in yachts or other vessels.

COMPOSITION

Tung oil.

PROPERTIES

When protecting wood with natural vegetable oil, we emphasize the natural colour and texture of wood. The oil penetrates deep into the wood pores, fills them and prevents the absorption of other liquid, and does not form a protective film on the surface. Oiling does not seal wood, the surface is vapour permeable which enables wood to “breathe”, meaning that its natural humidity is adjusted according to the surrounding environment, which gives the treated surface a natural feel. Among natural oils, tung oil is the most water-repellent. At the same time, oil does not harm the environment, as the product is biodegradable.

The oil dries very slowly.

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APPLICATIONS

Tung oil is suitable for surface protection of wood, where the use of natural materials is desired. It is used as independent impregnation for massive and veneered wooden surfaces of more resistant types of wood which are exposed to external weathering conditions, or for those in indoor living areas.

A well treated wooden surface is water-repellent, has a silky gloss and does not yellow over time.

COLOR

Yellowish clear liquid.

SURFACE PREPARATION

Apply to wooden surfaces which must be finely sanded, free of dust, grease, wax, and other impurities. Because the oil does not form a film, sanding is of key importance in achieving the final level of smoothness. We recommend sanding with sanding paper of grain size P220. To achieve a beautiful final appearance, the surface must be evenly sanded. Uneven sanding causes differences in oil absorption and a spotty appearance.

Before applying the oil, the wood must be well dried, otherwise protection is not satisfactory.

Prior to application, the surface and the coating must be thermostated to room temperature (a minimum of 18 °C).



METHOD OF APPLICATION

Apply the oil in a temperature range of between 15 °C and 25 °C and at a relative air humidity of 40–70%. At lower temperatures and/or higher relative air humidity, the drying time can be significantly extended.

The oil must be slightly heated before use (approx. 30–40 °C), as this promotes better absorption into the substrate. When coating the surface for the first time, it is recommended to thin the oil with a maximum of 30% of Belsol.

The oil can be applied in several manners, however, in 90% of the cases it is applied with a cloth. Other methods include: application with a brush or roller, spraying or immersion.

An abundant quantity of oil should be poured onto the surface and spread evenly with a cloth or rag over the entire surface. Leave the oil to absorb for 15–20 minutes.

When applying by immersion dip the whole wooden element into the oil and after 10–60 seconds place it so that the oil drains off. Also in this case, leave the oil to absorb for 15–20 minutes.

In all cases of application, wipe the remaining oil off with a clean dry cloth or with absorbent paper, and then polish the surface with a dry cloth. The remaining oil forms a film on the surface which can crack once dry, leaving an uneven and rough appearance of the surface.

We advise against coating with this product if the temperature is below 15 °C.

For improved wood durability, it is recommended to repeat the procedure at least once after 24 hours. With more porous surfaces or softer types of wood, we recommend applying several coats. Between the two coatings, sand the surface with a Scotch-Brite pad or with fine abrasive cloths.



DRYING

Under normal conditions ($T = 20^{\circ}\text{C}$, relative air humidity 65 %) the applied oil is dry in a few days. At lower temperatures and/or higher air humidity the drying time can be longer.

Drying is improved with a slight increase of temperature (up to 25°C) and with good ventilation. Channel drying at a temperature of $30\text{--}40^{\circ}\text{C}$ does not speed up drying, but can cause an unwanted escape of oil from the wood pores in the form of droplets, which spoils the appearance of the surface.

CONSUMPTION

Consumption depends on the type and preliminary treatment of wood (we recommend fine sanding, brushing, smoothing), as well as on the method of application.

Consumption usually ranges between 60 in 100 g/m^2 in one coat.

MAINTENANCE

Surfaces coated with Belinka tung oil are maintained with the same product. The required maintenance interval depend on the type of wood, mechanical load and exposure to humidity. Oiled and weather-exposed elements should therefore be checked regularly to establish whether they are still protected in a high-quality manner. Checks should be performed at least twice a year.

CLEANING TOOLS

Clean the tools immediately after use with soap and water or with petrol, white spirit or nitro thinner. If a thick layer of oil dries up (immersion hangers, spraying chambers), remove the oil with nitro thinner.





ADVICE AND WARNINGS

We recommend testing the oil and appearance beforehand on a sample of the same type of wood.

The drying of natural vegetable oils is an oxidation process, which is an exothermic reaction that releases heat. Oiled cloths, paper and sponges can therefore heat up excessively, which can lead to self-combustion.

Oil soaked cloths and other porous working accessories (foam rollers, sponges, paper) must soaked in water or burnt immediately after use, otherwise spontaneous combustion may occur.

STORAGE AND HANDLING

Store in the originally sealed packaging at a temperature between 5 – 30 °C. Protect against direct sunlight. Keep out of reach of children.

SHELF LIFE

In accordance with the stated storage conditions, until the date printed on the packaging.

ENVIRONMENT

Do not pour coatings into the sewage system or anywhere in the environment. Use all contents till empty. Dispose of the packaging as special waste into collection centers for hazardous waste which are organized by the local service provider for the collection and transport of household waste.



REGULATIONS

In connection with regulations governing product safety, safety at work and transport, read the material safety data sheet.

FURTHER TECHNICAL INFORMATION

More information can be obtained from our distributors or visit our website:

www.belinka.com.

The purpose of technical information is to inform users about the possibilities of product use and its technical properties. Even though the advice is based on long-term experience, it does not exempt the user from making sure the product is suitable for use in their specific case. Due to numerous possible effects on the properties of the product, including the type and quality of wood, the method and conditions of application, the experience of the user, and the conditions of use, we cannot take any responsibility for material damage incurred when using the product. In the event of doubt, please call our advisory service.

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