



OIL DECKING

PRODUCT IDENTIFICATION

Belinka oil decking

DESCRIPTION

Belinka oil decking is an oil based on modified vegetable oils and waxes, for the protection, staining and care of outdoor wooden walking surfaces and garden furniture.

COMPOSITION

Modified vegetable oils and waxes, pigments, UV absorbers, non-aromatic solvent, dryers and additives.

CHARACTERISTICS

Oiling the wood emphasizes its natural structure, and helps to revive and color it. The oil penetrates deep into the wood's pores, fills them and prevents the absorption of other fluids, and does not form a protective film on the surface. The oiled surface repels water and dirt, but is not waterproof. Accumulated liquid on the surface can gradually penetrate the wood and in woods rich in water-soluble extractive substances such as tannins (e.g. oak), this can cause their migration into the wood, which appears as a lighter stain on the oily 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. As it does not form a film on the surface, there is no bubbling or peeling off of the film as a result of shrinkage or swelling of wood.

It contains UV filters and UV absorbers that slow down the decay of wood due to UV rays. The application of the product is simple; a correctly treated surface has no bubbles, craters, or surface defects.

AREA OF APPLICATION

It is used as a stand-alone product for the coating of outdoor walking surfaces and garden furniture made from more resistant wood types (larch, oak, acacia, chestnut and tropical wood, such as teak and balau).

COLOR

The product is available in several shades according to the color chart.

SURFACE PREPARATION

Apply the oil onto wooden surfaces which must be completely dry, finely sanded, and free of dust, grease, wax, and other impurities. To achieve a beautiful final appearance, the surface must be evenly sanded. Uneven sanding causes differences in oil absorption and a blotchy appearance. Unsanded wood fibers can retain excess oil that is difficult to wipe away.

If the wood is not dry enough, it is harder for the oil to penetrate the wood and the protection is not satisfactory. The recommended moisture content of the wood is 12–15 %.

For wood containing naturally occurring oils and many water-soluble substances, such as tannin, we recommend exposing the wood to weather (rain, sun) at least 1 month before the first coating. This removes the tannin and naturally occurring oils from the





surface, and the wood pores open and enable the oil to be better absorbed in the wood.

APPLICATION METHOD

Apply the oil in a temperature range of between 15 °C and 25 °C and at a relative air humidity of 40 - 70 %. The optimum working temperature is between 18 °C and 22 °C. At lower temperatures and/or higher relative air humidity, the drying time can be significantly extended.

Mix the product well before use.

Spread the oil evenly over the entire surface so that there is a slight excess, with a brush, cloth, floor brush or roller. Wipe off any excess oil after approx. 10–20 minutes and polish with a clean absorbent cloth. Oil remnants form a film on the surface that remains sticky for some time, and leaves an uneven and rough appearance.

Apply the oil to all the wood's surfaces, and pay particular attention to the transverse cuts.

Apply the oil in two coats with an interval of 24 hours. We advise against coating with this product if the temperature is below 15 °C.

We recommend additionally protecting all damage to the wood caused during assembly (e.g. holes when screwing), as the wood there is not well protected. Apply oil with a cloth or brush to the damaged places and after 10–20 minutes, wipe and sand with a dry cloth, as with normal coating.

DRYING

Under normal conditions (T = 20 °C, relative air humidity 65 %) the coat of oil is dry in 24 hours.

The surfaces will dry completely in 7 days.



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.

1 liter of oil covers between 15–30 m² in one coating.

MAINTENANCE OF THE COATING

Surfaces coated with Belinka oil decking should later be treated with the same product. Mandatory treatment intervals depend on the type of wood, mechanical load and exposure to humidity and sunlight. The condition of the protection of oiled and weather-exposed elements should therefore be checked regularly. Checks should be performed at least twice a year. Weather-exposed wood expands and contracts due to the absorption and release of moisture. This results in cracks in the wood that need to be filled with oil to prevent water from entering into the cracks and deeper into the wood. We therefore recommend the renewal if necessary or when the surface is no longer water-repellent.

Prior to maintenance, the surface of the wood should be thoroughly cleaned with a water jet or with special cleaners for outdoor walking surfaces.

The renewal procedure is the same as for the first oiling. Apply oil to the cracked areas, let it absorb into the wood and after the recommended time, remove excess oil with a dry cloth.

CLEANING TOOLS

Clean the tools with Belsol or white spirit immediately after use. If a thick layer of oil dries up, remove the oil with nitro thinner.





ADVICE AND WARNINGS

Wooden elements heavily exposed to moisture can be protected with a biocide agent prior to the first application of the oil.

The shade of the oiled surface depends heavily on the type and processing of the wood, and it is therefore recommended to test the appearance on the same wood pattern first.

Belinka oil decking is recommended for the protection of naturally resistant types of wood, such as Siberian larch, teak, mahogany, balau, black locust, afromosia, merbau, oak, chestnut. With wood types that are less resistant, such as pine, Douglas fir, walnut, spruce, fir and elm, the use of oil is not recommended.

If the oil that does not get absorbed into the wood surface is not removed and it dries up on the surface, clean it with nitro thinner. It is first necessary to check whether or not using nitro thinner is causing seeping of water-soluble substances from the wood, as this would lead to a change in the wood color and blotchiness.

In the first days after oiling, the oiled surface is sensitive to liquids, as the oil in the pores of the wood is not yet crosslinked. During this time, do not cover the wood, to allow uninterrupted access to air, which is necessary for the oil to dry completely.

The drying of natural vegetable oils causes oxidation, which is an exothermic reaction where heat is generated. Oiled cloths 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 be 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.



EXPIRATION DATE

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

ENVIRONMENT

Do not pour coatings into the sewage system or anywhere in the environment. Use the entire quantity of the coating. Dispose of liquid waste and 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

Read the safety data sheet regarding the regulations which regulate product safety, safety at work and transport.

ADDITIONAL 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.

Document: T_Belinka_oil_decking_1AN.docx | Revision: 3
Date of revision: 3. 9. 2024