



OIL FOOD CONTACT

PRODUCT IDENTIFICATION

Belinka oil food contact

DESCRIPTION

Belinka oil food contact is an impregnation agent based on refined vegetable and mineral oils, with added aromatic oils and other additives, used for the protection and maintenance of massive and veneered wooden surfaces in living areas.

COMPOSITION

Vegetable oils, mineral oil and additives.

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 liquids, 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. At the same time, oil does not harm the environment, as the product is biodegradable.

The product does not contain organic solvents and is non-flammable. The application of the product is simple; a correctly treated surface should have no bubbles, craters, or surface defects.





AREA OF APPLICATION

It is used for the impregnation and maintenance of massive and veneered wooden surfaces which are used for food preparation (kitchen counter, table, serving trolley, etc.). The impregnation is absorbed deep into the wood and makes the surface water-repellent. The oil does not form a protective film on the surface, so the coated surface is not waterproof.

It is not suitable for closed and non-airy products (bread boxes, etc.), as a rancid smell may develop. For the same reason, it is not suitable for treating surfaces that come into contact with hot foods, as a warm oily product can change the organoleptic properties of foods (smell and taste).

CERTIFICATES

The product complies with the provisions of point 1a of Article 3 of Regulation (EC) No. 1935/2004 from 27 October 2004 on materials and articles intended to come into contact with food.

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.

For tougher types of wood such as oak and teak we recommend sanding with sandpaper of grain size P220; for beech P280–320; for softer types of wood, a grain size of P180 suffices as the level of smoothness does not improve with finer sanding. To achieve a beautiful final appearance, the surface must be evenly





sanded. Uneven sanding causes differences in oil absorption and a spotty appearance of surface.

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

Mix the product well before use.

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 can be applied in several manners, however, in most 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 10–15 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 10–15 minutes.

In all methods of application, thoroughly 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 sticky 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 recommend to repeat the procedure at least once after 24 hours. With more porous surfaces or softer types of wood, we recommend applying several coats. Sand the surface with a Scotch-Brite pad or with fine abrasive cloths between individual layers.





DRYING

Under normal conditions ($T = 20\text{ }^{\circ}\text{C}$, relative air humidity 65%) the applied oil is dry in 24 hours. At lower temperatures and/or higher air humidity the drying time can be longer.

The surfaces will dry completely in 7 days.

Drying is improved with a slight increase of temperature (up to $25\text{ }^{\circ}\text{C}$) and with good ventilation. Channel drying at a temperature of $30\text{--}40\text{ }^{\circ}\text{C}$ 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. We therefore advise against channel drying.

An unpleasant rancid smell can occur during the drying of natural oils, which is completely harmless. The rancid smell may last until the oil is completely crosslinked, depending on the drying conditions. This smell is less noticeable when oiling small areas and in a well-ventilated space. The rancid smell is more pronounced when drying larger oiled surfaces (large counter, table). We therefore recommend oiling and drying for a few days in a separate and ventilated space.

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 50 in 100 ml/m² in one coat.

MAINTENANCE

Surfaces coated with Belinka oil food contact are maintained with the same product.

The required maintenance interval depend on the type of wood mechanical load and exposure to humidity. We recommend regular status checks and maintenance, if





required. Kitchen units which are often exposed to humidity must be treated more frequently.

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 the same type of equally treated wood.

Initial contact between the oiled surface and water may result in raised wood fibers. For wood species rich in tannin (oak, walnut), there may be migration of the tannin in the wood itself and leaching from the wood; this manifests as stains on the wood surface. We recommend washing the workpiece with a damp cloth and cleaner before oiling, drying it well, sanding it and finally oiling it.

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. Prior to using it, it is necessary to check whether or not tannin has leached from the wood, as this would lead to a change in wood colour and the formation of blotchy spots.

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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Helios TBLUS, d.o.o. • Member of KANSAI HELIOS. • Količevo 65, SI-1230 Domžale, Slovenija
T +386 (0)1 588 62 99, E info@belinka.si, www.belinka.com



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