

# BIOHEL

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## DECKING OIL



12 shades according to the BIO MIX colour card



Protection against weather effects and UV rays

DECKING OIL is a mixture of modified quick-drying vegetable oils in a non-aromatic aliphatic solvent. The oil is suitable for colorless and colored oiling of medium-loaded wooden terraces and garden furniture, and for renovations. It is distinguished by its silky appearance, elasticity, hardness of the walkable surface, water resistance and quick drying.

**Maintenance:** For the first year after installation, attention must be paid to the potential cracking of the wood. In the event of a crack, it should be filled as soon as possible by rubbing the oil in with a cloth until the crack is saturated. Finish by wiping off any excess oil from the surface. Use only on clean and dried surfaces.

We recommend refreshing the oil once a year in a thin coat or as required, to fill micro and macro cracks and thus prevent decay. If the surface does not show signs of decay, clean and dry well before applying the oil. For decaying surfaces remove the entire coating that is peeling with a coarse or wire brush. First impregnate these areas with the oil (coat, saturate and wipe after a time), and coat once more after 6-12 hours, together with the remaining surface. Dry for 24 hours; do not walk over the surface during this time. If the surface is completely worn, sand it off entirely and re-coat it in three layers. Before doing this, tighten the screws, as the wood becomes slightly thinner with the sanding.

**Warning: Due to the risk of spontaneous combustion, oil soaked cloths must be soaked in water or burnt after use.**

When using a colorless oil, the surface decays faster than when using tinted oils from the BIO MIX color card, which is why more frequent oiling is needed. Before applying the coating, check the drying of the coating, compatibility with the selected wood type and the final appearance on a test piece under the same conditions (wood, temperature, relative humidity, application).



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## OILING A TERRACE



Easy to apply



Filling of cracks and good adhesion



For terraces and other walking surfaces

### 1. Surface preparation

DECKING OIL is an oil suitable for the protection of all types of coniferous wood and certain exotic wood species (check compatibility before use). If the surface is already slightly oily (especially for exotic wood species), it must be degreased with the **BIO IMPREGNOL thinner** and dried before oiling. We recommend that the edges are slightly rounded, as this will result in better quality protection.

The surface must be completely dry (the moisture content of the wood should not exceed 15%), well-sanded, free of dust, resin, grease, wax and other impurities. Open resin saps in conifers should be removed with the thinner and then sealed with the putty. Prior to the first application of the oil, the surface should also be protected with biocidal protection in order to prevent the occurrence of blue stain, rot and woodworm. Do not oil damp or wet wood.

### 2. Application

Apply the oil at a temperature above 15°C and at a relative air humidity of 40-75%. Drying time is considerably longer outside these conditions. The oil must be mixed thoroughly before use. For the first coating of denser wood species (teak, oak etc.), it can be further diluted with **BIO IMPREGNOL thinner**. We recommend using a velour roller and a brush from natural bristles. The oil is intended for the treatment of horizontal surfaces. Due to its low viscosity, it fills wood pores and cracks well; it is not suitable for oiling vertical surfaces (run-off).

Apply the oil to all the workpiece from all sides, and ensure the cross-section of the wood in particular is well protected. Place the workpiece horizontally and leave for 24 hours to dry and harden. After drying, sand the oil with a sanding sponge only so that it is slightly smoothed to remove the raised wood fibers.

Then apply the oil at least twice or until the surface is completely sealed, and dry as for the first application. Do not walk on the treated surfaces during this time. After treatment, do not stack the boards on top of each other to prevent adhesion. In the case of transport, insert spacers or wax paper between them. After treatment, the oil dehydrates and solidifies for at least another week, so apply little loads during this time. To clean the tools, use **BIO IMPREGNOL thinner** or Helios nitro thinner. We recommend the use of protective equipment, such as rubber gloves resistant to aliphatic solvents and protective goggles.

Protect further any additional incisions and damage caused by the installation, as the wood quickly starts to decay in areas that are not completely sealed. Apply the oil with a brush to these places and wipe after 2-5 minutes to re-saturate the wood structure.

### 3. Consumption

Depending on the wood type and the quality of the pre-treatment; 40-60 mL /m<sup>2</sup> when applying with a velour roller.

Consumption is higher with milled surfaces.

When the packaging is more than half empty, we recommend storing in smaller and appropriately labeled packaging, so that the oil does not gel. Store the product in a dry place at temperatures of up to 35 °C and protect it from direct sunlight.

