

Technical Data Sheet

KOIMOS Nature Hard Oil No. 180

Application range	For interior use, for furniture and interior fittings made of solid wood, Multiplex, veneers and cork.
Technical qualities	Solvent-free. After one application matt, after the 2nd application silky matt surface. Complies with the German Industrial Norm DIN 53 160, fast to perspiration and saliva.
Full declaration	Linseed oil, wood oil, linseed oil-stand oil-natural resin ester, zinc salts, zinc oxide, silicic acid and drying agents free of lead (Mn, Zr).
Color	002 Clear
Dilution	Ready to use. The addition of a thinner results in a reinforcement of the natural color of the wood grain as well as a change of properties.
Application	Remove possible skin formed on surface, then stir thoroughly. Application by brush, cloth-bale, spraying device or by paint roller, at temperatures above 16 °C. Further information on page 2.
Coverage	To be determined by trial application. 1 st application: 1 l is sufficient for approx. 65 m ² , i.e. 15.5 ml/m ² . 2 nd application: 1 l is sufficient for approx. 170 m ² , i.e. 6 ml/m ² . The indicative values may vary depending on absorbency and wood type.
Cleaning	Clean tools immediately after use with LEVO Brush Cleaner No. 997 or SVALOS Thinner No. 222.
Drying time	At 23 °C (73°F) and 50 % relative humidity: First coat 8 - 16 hours, subsequent coats 24 hours. Final hardness is reached after 4 weeks. At higher temperatures, please consider shorter drying times and polish more quickly (see also second page). At lower temperatures and higher humidity, please consider longer drying times.
Specific gravity	Approximately 0.97 g/ml.
Safety advice	Ensure good ventilation during and after application. Always be sure to store cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with KOIMOS Nature Hard Oil in an airtight metal container or in water until their disposal, as there is a danger of spontaneous combustion caused by the plant oil content. <u>The liquid or applied product is not self-ignitable.</u> H412 Harmful to aquatic life with long lasting effects. P102 Keep out of reach of children. P273 Avoid release to the environment. P501 Dispose of contents/container according to local official regulations.
Disposal	According to locally regulated laws.
Container sizes	0.05 l; 0.375 l; 0.75 l; 2.5 l; 10 l.
Storage	Cool and dry. Transfer unused product into a smaller container for storage to minimize excess air.

How to use

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Wood

Preparation

Wood must be dry (moisture content below 12 %), solid, able to absorb, free of resin and dust. Particularly evenly reinforced wood structures can be achieved by gradual pre-sanding up to 180 grit.

Application

1st application: Apply 1st coat generously (approx. 15 ml/m²), allow to soak in briefly and remove excess oil after approx. 15 - 30 minutes with pad, brush or cloth.

2nd application: Apply 2nd coat sparingly and polish immediately with a grain-free pad and polishing machine (random orbit sander) or a lint-free cotton cloth.

If a higher silk gloss level is desired, after-treatment with ALISA Hard Wax No. 302 after drying.

For spray application we recommend nozzle size: > 1.7 mm, spray pressure: 2.5 - 3.5 bar.

Cork

Preparation

Level out perceptible joints between the individual cork sheets by sanding with a single-disc machine or similar and 180 grit sanding grid, then sand the entire surface with 180 grit. Smooth out the edge areas with an eccentric sander, 240 grit. Remove dust well from the entire surface.

Application

1st application: Apply 1st coat with paint roller or sealing roller.

After 15 - 30 minutes, remove the wet film with a grain-free pad and wipe the edges with a lint-free cotton cloth. Change the pad as soon as splashes occur or streaks remain visible. In case of manual application, remove excess oil after only 10 minutes with a lint-free cotton cloth in circular movements.

2nd application: After drying, smooth surface with a grain-free pad (e.g. beige) or abrasive fleece K 240-400 (avoid sanding patterns). Distribute the Nature Hard Oil with a tablespoon (1-2 tablespoons per m²) and immediately spread and polish with a single-disc machine, a grain-free pad or a cotton cloth. When doing so, move the single-disc machine at a moderate feed rate.

Apply a 3rd coat optionally for higher resistance (same as 2nd coat.).

In case of irregular gloss, level out with fleece K 240 24 hours after the last application.

Maintenance

As a general rule, once a year with KOIMOS Nature Hard Oil No. 180.

Important tips

The addition of a thinner may cause a reinforcement of the natural color of the wood grain. Furthermore, the storage stability of the oil is greatly reduced.

After prolonged polishing or sanding of the wet film, stained surface appearance may occur on pear and beech wood.

Large cork surfaces should be treated in sections of max. 25-30 m² (4 m² for manual application).

These directions are the result of long years of research and practical testing. They are backed by our most current expert information. New findings may invalidate this information. The latest version is available on our website at www.livos.de. This data sheet is meant to serve as information and instruction. No legal liability should be interpreted from it. In case of doubt, please contact the LIVOS customer service (see p. 1) .

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