

LIGNEX[®] HYDRO OIL

Fast-drying, water-based oil for outdoor wood

3076-a February 2021

1. Description

Product: LIGNEX HYDRO OIL is a water-based, decorative, weather-resistant hybrid oil and is ideal for first treatment and maintenance of facades, terraces, outdoor garden furniture. Thanks to its special UV absorbers, it offers a high protection against sun rays and also protects against humidity and weather.

LIGNEX HYDRO OIL contains active ingredients that protect the film from microorganisms.

Fields of use: For the transparent treatments on wood with or without dimensionally stability, without direct contact with the ground or with water. Particularly suitable for softwoods and wood with low tannin content.

Property: Leaves the wood open, penetrates deep into the wood offering good abrasion resistance. Does not flake. Easy to maintain.

Colours: 00 colorless. Variety of other colors available via Colormix system: 01 oak; 02 larch; 04 walnut; 10 light walnut; 13 pine; 27 teak; 82 moss gray; 85 light gray; 86 dark gray; 87 brown gray; 88 quartz gray

Packaging: Colorless 0,95 L; 2,38 L; 4,75 L; – colored 1 L; 2.5L; 5L; 5L in metal tins

2. Technical Data

Density: approx. 1.01 g / cm³, at +20°C.

Viscosity: 49s / DIN cup, 2 mm at +20°C

Drying time: Dust dry after about 1 hour, can be handled after about 2 hours, can be over-painted after 4 - 48 hours. In low temperatures and/or high humidity the drying time is prolonged proportionally. The extracts contained in some types of exotic wood (e.g. teak, massaranduba, iroko, ipe etc.) and domestic (e. g. oak, chestnut, etc.) can slow down the product from drying up to several days.

Odour: weak odour; odourless once dry.

Storage: 18 months in original sealed containers. Store at a cool temperature protected from frost. Close partially used tins well. Store away from food, drink and animal feed. Only store the original, intact containers and keep out of the reach of children.

3. How to apply

General: mix well before and during use.

Application system: brush.

Application temperature: +15 - 30 °C (ambient temperature, substrate and paint)

Surface preparation: The wood to be treated must be dry and free from dust and grease. Do not apply to wood with a moisture content over 15%. Remove any poorly anchored old paint or varnish. Clean any resinous areas or pockets on the surface with nitro thinner.

Application advice: End-grain wood should be treated with more coats of LIGNEX HYDRO OIL to reduce water-absorption as much as possible. Metal fixings (nails, screws, hinges) and other metal parts that may come into contact with the product must be in a corrosion-proof material. LIGNEX HYDRO OIL is particularly suitable for soft and hard woods with little tannin, on exotic woods there may be delays in drying, so it is essential to carry out a test beforehand.

Recommended treatments:

- New outdoor wood:	Sand with grain 150-180 then apply 1 – 3 x LIGNEX HYDRO OIL (50 – 80 g/m ² per coat)
- Maintenance:	Clean the substrate then apply 1 – 3 x LIGNEX HYDRO OIL (50 – 80 g/m ² per coat)

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- Restoration:	Restore wood as new by completely removing old badly adhering coats. Clean the surface and sand to ensure better oil penetration, then apply 1 – 3 x LIGNEX HYDRO OIL (50 – 80 g/m ² per coat)
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Warning:

LIGNEX HYDRO OIL colourless contains no pigments and thus offers no protection against UV rays despite its UV absorbers. It should therefore only be used on exterior wood as a finishing product in coloured cycles or for toning down darker colours. The effect of each single colour depends on the type of wood. It is therefore always advisable to carry out a test coat. It is furthermore recommended that the condition of the external paint is checked regularly, especially on wood exposed the weather-side (south-west) and treat if necessary.

Yield: approx. 12 - 18m²/l per application, depending on the absorption power of the wood and the quantity of product applied.

Dilution: LIGNEX HYDRO OIL is ready for use. It must not be diluted.

Tool cleaning: with water immediately after use.

4. Special instructions

Do not apply to wood liable to come into contact with food, animal feed or drinking water. Not suitable for wood intended for use in hives, greenhouses and saunas. The product is toxic for fish and fish-eating animals. Do not apply the product in unprotected places. Do not apply in the immediate vicinity of water courses. The product must not be thrown into water. Do not pour onto plants. Not to be sold loose. During use ensure the face, hands and eyes are adequately protected and that the working area is properly ventilated. In case of contact with eyes or with the skin rinse immediately and thoroughly with plenty of water. Keep out of the reach of children. Mask electric switches and cabling and protect them from short circuits. When cleaning surfaces painted with LIGNEX HYDRO OIL, do not use alcohol or solvent-based products or those that are acidic or alkaline. Use only water with neutral soap or light, neutral detergents. Clean used tools with Amonn Detergent and tap water.

VbF classification: --

Waste disposal: Do not dispose of with domestic waste. Do not pour leftover product into water-bodies, into the ground or into the sewage system. In the event of product escape or spills, mop up the liquid with absorbent material and dispose of according to current regulations. Tins containing leftover product and any leftover product itself should be disposed of according to regulations (special waste centre).

Water hazard class: Class 2 (WGK 2). (Self classification: dangerous).

ADR/RID: not applicable.

European waste catalogue: 08 01 12

The above instructions are consistent with the most recent information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied. If in doubt please contact our technical consultancy service.