

## ADLER Legno-Hartwachsöl

**50821**

Ecological, universal hard wax oil for DIY and professional use

### PRODUCT DESCRIPTION

#### General

Combination based on natural waxes and oils for the treatment of softwoods and hardwoods with high solids (>97%). Very good penetration capacity, excellent grain accentuation of the wood, very good filling power, very good water resistance and pleasant feel.

Hardening takes place by the absorption of oxygen in the air (oxidative drying).

#### Special properties and standards

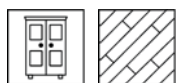


- Antistatic
- **DIN 53160-1 bzw. DIN 53160-2** Perspiration and saliva proof properties
- **ÖNORM EN 71-3** Safety of toys; migration of certain elements (free of heavy metals)
- Highly non-combustible coating material for sea-going vessels (complying with **SOLAS 74/88** Chapter II-2)
- **Meets the criteria of baubook "Ecological invitation to tender"**
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

#### Substances contained

Natural vegetable oils and waxes (linseed oil, sunflower oil, soybean oil, carnauba wax a candelilla wax), lead-free and cobalt-free siccatives.

#### Application area



- For the coating of furniture and interior finishing exposed to normal levels of stress, such as bedroom and living room furnishings as well as wooden floors.
- Apply a maximum of one thin coat of this product to the inner surfaces of furniture and cabinets on account of possible odours.

09-20 (supersedes 10-18) ZKL 7002

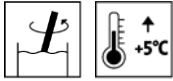
ADLER-Werk Lackfabrik, A-6130 Schwaz

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Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

## PROCESSING

### Instructions for use



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least + 5 °C.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity between 40 – 80 %.
- Apply the product and leave a short time to take effect and then carefully wipe of the excess with a cotton cloth or pack of gauze in the direction of the fibre. The formation of a film must be avoided at all costs!
- One coat is usually sufficient due to the high-solid content!
- For internal vessel coating the application quantity is 12 g/m<sup>2</sup>.
- Regarding the oiling of interior fittings on ships do not use flame-retardant surface material on pipes, pipe covers and cables
- **Attention:** Care should be taken to sand the wood uniformly and to apply the product evenly!

### Application technique



Application method	Cup gun	Brushing	Rolling	Wiping
Spraying nozzle (ø mm)	1.5 - 1.7	-	-	-
Spraying pressure (bar)	3 – 4	-	-	-
Application quantity per application (g/m <sup>2</sup> )	approx. 30 – 50	-	-	-
Yield per application (m <sup>2</sup> /l) <sup>1)</sup>	-	approx. 15 – 30		

<sup>1)</sup> Yield including addition of thinner and loss while spraying

The product is ready to use.

The shape, the properties and moisture of the substrate affect the consumption/yield. Accurate values for consumption must be obtained by applying trial coats in advance.

### Drying times

(at 23 °C and 50 % rel. humidity)



Subsequent coating	after approx. 12 hours
Dried through	after approx. 7 days

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

To ensure perfect drying, good room ventilation must be provided. Low ventilation, e.g. from dense stacking, delays drying.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

On types of woods rich in extracts (such as oak, iroko), the drying process may take longer.

**Cleaning the working equipment**

With ADLER Legno-Reiniger 80025.



80025

**SUBSTRATE****Type of substrate**

Fine pored and coarsely porous hardwoods, softwood.

**Substrate property**

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.

**Wood moisture**

Hardwoods: 12 % +/- 2 %  
Softwoods: 15 % +/- 2 %

**Preparation of the substrate****Furniture:**

Graduated wood sanding until grit size 180 – 240

**Wood- and parquet flooring:**

Graduated wood sanding until grit size 100 – 150

**COATING SYSTEM****Primer coat**

If necessary one coat of ADLER Legno-Hartwachsöl 50821

Intermediate drying: approx. 12 hours

**Intermediate sanding**

Slight smooth sanding: grit size 280 – 360

Remove sanding dust.

**Finishing coat**

1x ADLER Legno-Hartwachsöl 50821

**CLEANING & MAINTENANCE****Cleaning and maintenance**

**Cleaning** with water, ADLER Clean-Möbelreiniger (furniture cleaner) 96490, ADLER Clean-Parkettreiniger (parquet cleaner) 42198 or a mild household cleaner. Clean with ADLER Legno-Reiniger 80025 in case of greasy impurities. Cleaning must be carried out at the earliest 14 days after application of the oil/wax.

For **retouching work and maintenance** apply 1 coat of ADLER Legno-Pflegeöl 50882 and remove the excess.

Please follow our working guideline **ARL 253 - Care instructions for floors, treated with ADLER Legno-Hartwachsöl** and **ARL 256 - Care instructions for furniture treated with ADLER Legno-Hartwachsöl**.

Please observe the relative technical data sheets of the products.

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**ORDERING INFORMATION**


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**Size of trading unit** 750 ml; 2,5 l; 20 l

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**Colour shades** ADLER Legno-Hartwachsöl 50821

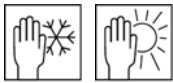
- It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.
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**Supplementary products** ADLER Legno-Reiniger 80025  
ADLER Legno-Pflegeöl 50882  
ADLER Clean Möbelreiniger 96490  
ADLER Clean-Parkettreiniger 42198

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**FURTHER DETAILS**


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**Durability / storage**


750 ml and 2.5 l package:  
At least 3 years in the original sealed containers.

20 l package:  
At least 1 year in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

We recommend to transfer the contents of open containers to smaller ones in order to prevent gelling / skin formation.

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**GISCODE** Ö20

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**Safety-related information**


Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at **[www.adler-lacke.com](http://www.adler-lacke.com)**.

When using cloths that have been soaked with oxidative drying products, there is a risk of spontaneous combustion! Spread soaked cloths out and let them dry; it is necessary to store them in sealed metal containers or under water.

Using the product in spraying booths, which are contaminated with nitrocellulose-containing spray dust, is prohibited owing to the risk of self-ignition

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