Pache SARL - 64 Route de Gravin, 74300 Magland
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Technical data sheet

Paint runs through our veins.

Legno Hartwachsöl 7002

Ecological, universal **hardwax oil** for **DIY and professional use**

PRODUCT DESCRIPTION

General

Combination based on natural waxes and oils for the treatment of hardwoods and softwoods with high solids content (>97 %). The product is characterised by very good penetration, excellent grain enhancement, very good filling power, very good water resistance and a pleasant feel. Antistatic. Curing occurs by absorption of atmospheric oxygen (oxidative drying).

Special properties and standards

- **DIN 53160-1 and DIN 53160-2**
  Perspiration and saliva-proof properties
- **ÖNORM EN 71-3**
  Confirmed by an external test certificate.
  Safety of toys; migration of certain elements (free of heavy metals).
- **declared product in baubook**
  Criteria of the "Baubook Ökologisch ausschreiben" fulfilled
- **French ordinance DEVL1104875A**
  Confirmed by an external test certificate.
  Marking of construction coating products for their emission of volatile pollutants: A+

Application area

For surface treatment of surfaces in furniture and interior finishing that are subject to a normal level of wear, e.g. bedroom and living room fittings, as well as wooden floors.

Substances contained

Natural vegetable oils and waxes (linseed oil, soybean oil and carnauba wax), low-odour isoparaffins, lead-free and cobalt-free driers.

PROCESSING

Processing instructions

- Please stir the product before use.
- The product is ready to use.
- The temperature of the product and object, and the room temperature must be at least +10 C.
- 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

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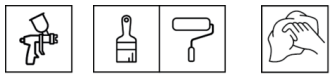
Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

direction of the fibre. A layer build-up must be avoided under all circumstances.

- The high solids content means that one application is generally sufficient.
- **Attention:** Care should be taken to sand the wood uniformly and to apply the product evenly!
- Apply a maximum of one thin coat of this product to the inner surfaces of furniture and cabinets on account of possible odours.
- **Important:** With hardwoods and tropical woods that are rich in active substances, we strongly recommend doing a test treatment with Legno Hartwachsöl (7002) before proceeding.
- The optimal conditions for use are between 20 - 25 °C with a relative atmospheric humidity between 40 - 60 %.
- In order to improve mechanical and chemical resistance, Legno Hartwachsöl (7002) can be hardened **3:1** with Legno Hardener (7084), when using for trade applications. Carefully stir the hardener component into the oil. Pot life is 8 hour(s). We advise against the use of Legno Hardener (7084) with shades of white due to the risk of slight yellowing when hardener is used.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result.
- Please read and take note of our working guidelines **ARL 013 – Safety measures required for the use of oils and waxes that dry by oxidation** and **ARL 160 – Working guidelines for oils and waxes.**

Application technique



	Cup gun	Brushing	Rolling	Wiping
Spraying nozzle Ø (mm)	1,5 - 1,7	-		
Spraying pressure (bar)	2 - 3	-		
Yield per application (m²/l)	-	15 - 30		
Applied quantity per application (g/m²)	30 - 50	-		

The stated yield includes spray loss.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)

Follow-up treatment	12 hour(s)
Thoroughly dried	7 day(s)

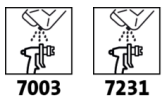
The figures given above are reference values. Drying depends on the substrate, layer thickness, temperature, air exchange, relative humidity, stacking pressure and stacking conditions.

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

On types of woods rich in extracts (such as oak, iroko), drying may be delayed.

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

Cleaning the working equipment



With Legno-Reiniger (7003) or Adlerol-Verdünner (7231) immediately after use.

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SUBSTRATE

Type of substrate	Fine-pored and coarse-pored hardwoods and softwoods.
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 %
Substrate preparation	**Furniture:** Graduated wood sanding Grit size 180 - 240 **Wooden and parquet floors:** Graduated wood sanding Grit size 100 – 150 Remove sanding dust.

PROCESSING STEPS

Basic treatment	If necessary: 1 x Legno Hartwachsöl (7002)
Intermediate sanding	Slight smooth sanding: Grit size 280 – 360 Remove sanding dust.
Final treatment	1 x Legno Hartwachsöl (7002)

CLEANING AND MAINTENANCE

Cleaning	**Clean** with water, Clean-Möbelreiniger (7202), Clean-Parkettreiniger (7207) or a mild household cleaner. Use Legno Reiniger (7003) for greasy stains. Cleaning must be carried out at the earliest 14 days after application of the oil/wax/hard wax oil. Abrasive cleaning agents should not be used.
Maintenance	For **freshening up and after-care, apply** 1 x Legno Pflegeöl (7009) and wipe away the excess. Please read and take note of our **ARL 253 – Care instructions for floors treated with Legno-Hartwachsöl** and **ARL 256 – Care instructions for furniture treated with Legno-Hartwachsöl**.

ORDERING INFORMATION

Size of trading unit	750 ml, 2.5 l, 20 l
Colour shades	Legno Hartwachsöl Farblos (7002000200) The final colour achieved is very dependant on the inherent colour of the wood and the quantity of the product that is applied.
Supplementary products	Adlerol-Verdünner 7231 (7231) Clean-Möbelreiniger (7202) Clean-Parkettreiniger (7207) Legno Hardener (7084)

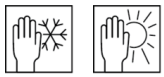
PACHE Sarl

Legno Pflegeöl (7009)
Legno Reiniger (7003)

Please refer to the corresponding technical data sheets of the products.

FURTHER DETAILS

Durability / storage



Min. 1 year(s) in the original sealed containers.

With containers under 3 % the shelf life is 3 year(s).

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.

Close opened containers well and use up the content as soon as possible.

Giscode

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Safety information

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

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.

When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust. In case of hardwood (especially for Beech, Oak) a dust filter P3 is recommended.

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

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.**

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