INTERIOR

BIOFA

Item no.
2044

Universal Hard Oil

semi mat

375 ml - 1 l - 2,5 l - 10 l





Natural primer and finish for indoor floors, stairs, furniture, OSB panels, and paneling of absorbent surfaces such as wood and cork, Plywood, Fu-, MDF- and OSP board.

- **Premium natural resin-oil blend ****
- **Rejuvenates the wood structure**
- **Open-pore surface for healthy living**
- **Water-repellent finish**
- **Especially resistant to yellowing**
- **Complies with DIN 53160 welding and saliva resistance and DIN EN 14342 for parquet floors**
- **Is listed on baubook (database for ecological construction and renovation)**

BIOFA
Naturprodukte
W. Hahn GmbH
Z-157.10-104
Emissions-geprüftes Bauprodukt nach DIBt-Grundsätzen

Emission-tested building product according to DIBt principles

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A+
A+ A B C
RAUMLUFT EMISSIONEN*
* Angaben zum Emissionsgrad flüchtiger Stoffe in der Raumluft, die beim Einatmen ein Toxizitätsrisiko darstellen, auf einer Skala von A+ (sehr geringe Emissionen) bis C (hohe Emissionen)

Properties:

High-quality natural resin oil finish made from natural raw materials. It revitalises the natural structure and, with its thin surface film, produces an open-pored, silky matt, hard-wearing, dirt and water-repellent surface that is largely non-yellowing. Fulfils the DIN 53160 standard (sweat and saliva fastness). Universal Hard Oil is suitable for absorbent interior surfaces such as wooden floors, cork and linoleum, stairs, wooden furniture, Sterling OSB boards and interior fittings. Not suitable for permanent wet exposure!
Attention: There is a risk of odour formation when used for interior furniture surfaces!
Universal Hard Oil 2044 has been tested for slip resistance in accordance with the Swiss bfu/EMPA criteria and has the following GS values: Rubber smooth: GS 2; Rubber fine grooved: GS 3; Plastic coarse grooved: GS 2; Leather smooth: GS 1.
Universal Hard Oil fulfils the requirements of the parquet standard DIN EN 14342.
DIBt-Zulassungsnummer: Z-157.10-104

** Ingredients:

Aromatic-free highly purified white spirit, tall oil fatty acid-based resin boiling, soya oil rosin resin boiling, rosin resin solution, safflower oil, matting agent, micro wax, zinc oxide, swelling clay, wetting agent, defoamer, zirconium, cobalt, calcium and manganese drier, antioxidant.

42 per cent water and renewable raw materials
7 per cent mineral and metallic raw materials
51 per cent chemical-synthetic and fossil raw material

The information and instructions in the technical leaflet are binding. Prior consultation with the application engineering department of BIOFA is required if a deviation from these specifications is necessary. The generally accepted construction engineering practices must be observed. All previous information is null and void after the publication of this leaflet.
BIOFA Naturprodukte W. Hahn GmbH, Dobelstr. 22, D-73087 Bad Boll Germany, www.biofa-de.com, Tel. 07164-9405-0, Fax 07164-9405-96

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Directions:

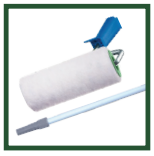
1. Preparation Substrates must be dry (max. wood moisture 12%), absorbent, grease-free and clean. Clean with BIOFA Thinner 0500 as needed. Remove old paint coats. Final sand furniture surfaces with up to 240 grit, floors with 120 grit.
2. Base coat Stir Universal Hard Oil well and apply thinly and evenly by brushing, rolling, spraying, dipping, rolling or wiping. In floor areas, it is best to work with a short-pile velour roller. Prime very absorbent substrates, substrates to be stained or substrates to be coloured with BIOFA Universal Hard Primer 3754 or Color Oil 2110 (observe the technical data sheets of the respective products!).
3. Intermediate and topcoats After the first application of hard primer or hard oil, an intermediate sanding is carried out (floors 150-180 grit, furniture and interior fittings with 240 grit). Floors made of wood and cork are treated at least twice with BIOFA Hard Oil. When using BIOFA Hard Oil alone, apply 2-3 thin coats depending on the absorbency of the substrate. The first coat can also be padded in as a primer. If necessary, carry out appropriate intermediate sanding. If uneven surfaces, highly absorbent and highly stressed substrates are created, a further application of hard oil may be necessary. The surface is only fully resilient if the film has formed and is sufficiently thick.
Universal Hard Oil is applied 1 to 2 thin coats to uncoated linoleum floors.
Spraying application
Cup gun with compressed air: Nozzle: 1-1.5 mm, spray pressure: 2-2.5 bar.
Airless: Nozzle: 0.23-0.28 mm, spray pressure: 4 bar, material pressure: 80 bar.
4. Equipment cleaning Clean immediately after use with BIOFA Thinner 0500.
5. Cleaning and caring for the finish Only dry clean the 2044 surface for the first 3 weeks. Sweep dirt with soft broom, rag, mop, or vacuum brush. For wet cleaning, use BIOFA NACASA All Purpose Cleaner 4010. See special care instructions for floor surfaces!

Important:

Mix containers from different batches before processing! Test compatibility before pro-ceeding! To avoid long-term odors, ensure sufficient fresh air circulation when applying and drying the products! Do not use below 12°C!

Recommended Equipment:






1. **009949 / 009934** Flat brush, professional quality 50 mm / 70 mm
2. **009942** Flat brush 240 mm
3. **009951 / 009980 /009982** Varnish roller microfiber 100 mm / 180 mm / 250 mm
4. **009952 / 009996 / 009954** Roller bracket 100-120 mm / 180-200 mm / 250-270 mm
5. **009973** Tool handle
6. **0500** BIOFA Thinner for cleaning the working equipment

Drying:

BIOFA Universal Hard Oil is dry to touch in 6-12 hours and can be sanded and repainted in 16-24 hours. Floors are subject to limited use after 3 days, unrestricted use after 7-10 days (at 20°C / 50-55 % rel. humidity).

Heat and air circulation will accelerate drying. Environmental conditions, wood type (esp. tannin content) can influence drying times.

Consumption/yield per coat:

1st application: approx. 60 - 80 ml/m² or 12 - 16 m²/l.
2nd and 3rd application 45 - 60 ml/m² or 16 - 20 m²/l each.
In the case of very absorbent substrates and high surface loads, a further application may be necessary
Consumption and coverage depend heavily on the absorbency and condition of the substrate.
In accordance with the building inspectorate approval (DIBt), apply 3 coats of Hard Wax Oil matt, each 25 g/m² or 28 ml/m² or, after priming with Universal Hard Primer solvent-free 3755 or Color Oil 2110-2111, apply two coats of Universal Hard Oil 2044, each 25 g/m² or 28 ml/m².

Storage:

Keep cool, dry and properly sealed. May form skin. Remove before next use. Screen oil as needed!

Container:

Interior painted metal containers.

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Disposal:

Discard liquid product remnants in compliance with local statutory regulations. Minor leftovers and soaked processing materials can be disposed in the household waste after drying out.
Only recycle fully emptied and cleaned containers.
Do not release into the environment or sewers

German & EU Waste Classification Directive code: 08 01 11*

Hazard warnings:

Poisonous for water organisms with long-term effect.

Hazard warnings and safety instructions:

Harmful to aquatic organisms, with long lasting effects. Contains cobalt neodecanoate. May cause allergic reactions. Advice for allergy sufferers: Tel.: +49(0)7164-9405-0.
Store work materials and clothing soaked with product in an airtight metal container or soak in water and spread out on a non-flammable surface to dry - (risk of spontaneous combustion!) The product itself is not self-igniting. Keep out of the reach of children. Avoid release into the environment. If medical advice is needed, have product container or label at hand. Do not get in eyes, on skin or clothing. IF ON SKIN: Wash with plenty of soap and water. Ensure adequate skin protection. Use only outdoors or in well-ventilated areas. When spraying, do not inhale the spray mist and wear suitable respiratory protection (combination filter A2/ P2) and safety goggles. Use respiratory protection (dust filter P2) when sanding. Heating or spraying may produce explosive vapour/air mixtures! A typical odour of the natural raw materials is possible!

Safety data sheet available on request.

VOC labeling law. Decopaint directive and ChemVOCFarbV:
EU threshold (Cat. A/i): 500 g/l (2010)
2044 contains max. 490 g/l VOC

GISCODE: Ö 60+

baubook:

Database for ecological building and renovation

This QR code will take you to the baubook database
BIOFA Universal Hard Oil 2044:

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