



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
- Meets En 71,3 (safety of children's toys), DIN 53160 (fastness to perspiration and saliva) and DIN EN 14342 for parquet floors



Emission-tested building product according to DIBT principles

Properties:

High-quality natural resin oil boiling from natural raw materials. It revives the natural structure and, with its thin surface film, results in an open-pored, silk-matt, hard-wearing, dirt- and water-repellent surface that is largely non-yellowing. Complies with EN 71, Part 3 (safety of children's toys) and DIN 53160 (fastness to perspiration and saliva). Universal Hard Oil is suitable for absorbent surfaces in interior areas such as floors made of wood, cork and linoleum, stairs, wooden furniture, sterling OSB boards and interior fittings. Not suitable for constant wet exposure!

Caution: When used for interior furniture surfaces, there is a risk of odor formation!

Universal Hard Oil 2044 has been tested according to the Swiss bfu/EMPA criteria for slip resistance/slip resistance and has the

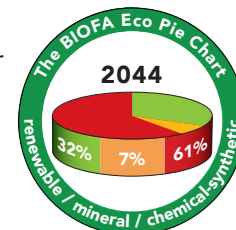
following GS values: rubber smooth: GS 2; rubber fine grooved: GS 3; plastic coarse grooved: GS 2; leather smooth: GS 1.

Universal Hard Oil meets the requirements of the parquet standard DIN EN 14342.

DIBT-approval number: Z-157.10-104

Ingredients:

Aromatic-free, highly-purified white spirit, castor oil - colophony resin blend, safflower oil, co-lophony resin solution, natural matting agents, clay, natural binder, micro-wax (food grade), zinc oxide, cobalt-polymer drying agent, zirconium, calcium, and manganese drying agents, antioxidant.





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. Finish sand with 240 on furniture and 120 grit on floorings.

2. Base coat Prime with a thin layer of BIOFA Hard Oil or for highly absorbent surfaces where wood grain is prominent with BIOFA Universal Wood Primer 3754. Thoroughly mix either oil before use. Apply evenly thinly with brush, roller, sprayer, dipping or wiping. Allow to dry and sand floors with 150-180 and furniture with 240 paper. For floor short-pyled velour roller work best.

3. Intermediate and topcoats Flooring of wood and cork require at least 2 finishing coats with BIOFA Universal Hard Oil, depending on surface absorption. The first coat can also be polished into the surface. Sand between coats as needed. Another hard oil coat may be required for any resulting uneven finishes, or on highly absorbent and high-traffic substrates. Allow to dry completely before heavy use.

Apply 1 to 2 thin coats of BIOFA Universal Hard Oil on uncoated linoleum floors.

Important: ALWAYS use THIN layers!

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 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 proceeding! 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:

Compliance with German construction code (DIBt) requires that a primer coat with Universal Hard Primer 3754 must be followed by two coats of Universal Hard Oil 2044 with 25 g/m² (28 ml/m²) each.

If the primer is Universal Hard Oil 2044, apply:

1st coat: 60-80 ml/m² (12-16 m²/l).

Subsequent coats 45-60 ml/m² (16-22 m²/l).

An additional coat may be required on highly absorbent substrates or in high-traffic areas.

Yield depends on the absorption and condition of the surface. Thin coats are critical!

Storage:

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

Container:

Interior painted metal containers.



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.

Safety instructions:

Store processing materials and clothing soaked with product in air-tight metal containers, or soak in water, then allow to dry on non-combustible surface --(risk of spontaneous combustion!) The product itself is not auto-ignitable. Keep away from children. Read

label carefully before use. Get medical help if feeling unwell. If medical help is required, keep the packaging handy for reference. Avoid contact with skin, eyes or clothing. Wash from skin with plenty of soap and water. Ensure sufficient ventilation during application and drying. Use appropriate mask and work with vacuum when spraying. Avoid heat, which can cause explosive vapors to form. Wear appropriate mask when sanding.

The natural ingredients may generate an odor typical for the product!

Safety data sheet available upon 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+