



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

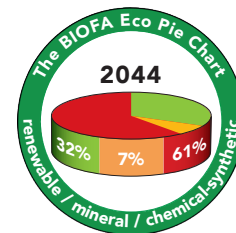
following GS values: rubber smooth: GS 2; rubber fine grooved: GS 3; plastic coarse grooved: GS 2; leather smooth: GS 1.

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, 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.





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 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, Universal Hard Primer 3755 solvent-free or Color Oil 2110-2111 (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 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:**
- 009949 / 009934** Flat brush, professional quality 50 mm / 70 mm
 - 009942** Flat brush 240 mm
 - 009951 / 009980 / 009982** Varnish roller microfiber 100 mm / 180 mm / 250 mm
 - 009952 / 009996 / 009954** Roller bracket 100-120 mm / 180-200 mm / 250-270 mm
 - 009973** Tool handle
 - 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.

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 you feel unwell, call a POISON CENTRE or doctor. 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+