

BIOFA Universal Hartöl (Universal Hard Oil) Art. No. 2044

Properties

High-quality universal hard oil made from natural raw materials. It freshens the natural texture, deepens the shade of the treated substrates and provides an open-pored, satin finish, hard-wearing, dirt- and water-repellent, largely yellowing-resistant finish. Fulfills the Norm EN 71, Part 3 (Safety of Children's Toys) as well as DIN 53160 (Weld- and Mortar Tightness. The universal hard oil is suitable for absorptive surfaces inside such as wooden, linoleum and cork floors, staircases, furniture, Sterling OSB boards and interior fittings.

Warning: Do not use for the interior surfaces of furniture, since this can produce lasting unpleasant odour!

Ingredients

Aliphatic hydrocarbons, ricin oil, colophony resin ester, saffron oil, silicic acid, microwax, succinic acid ester, cobaltbis(2-ethylhexan-oate), zirconium- and manganooctate-drying agent, antioxidants.

Instructions for use:

1. Pretreatment

Substrates must be dry (max. 12% wood moisture), clean, absorptive and free of grease. If necessary, clean with BIOFA Verdünnung (Thinner) 0500. Remove old coatings. Carry out final sanding with grit size 240 on furniture, with grit size 120 on floors.

2. Basecoat

Stir well and apply thinly and evenly by brush, roller, spraying, dip coating or wiping. Preferably use a short-pile velour roller in floor areas. Prime very absorptive substrates or substrates whose natural colour shall be brought out with BIOFA Universal Hartgrund (Universal Hard Primer) 3755. In the floor finish level, we recommend priming with Universal Hard Ground 3755, solvent-free, to reduce solvents.

3. Intermediate coat and topcoat

Carry out intermediate sanding (150-180 grit abrasive mesh for floors, grit size 240 for interior

fittings) after the first hard primer or hard oil application.

Treat wooden and cork floors at least twice with BIOFA Hartöl. When using BIOFA Hartöl on its own, apply 2-3 thin layers depending on the substrate's absorbency. The first coat can also be applied by padding. If necessary, carry out respective intermediate sanding. If surfaces turn out uneven, apply another hard oil layer. Surfaces are only fully stress-resistant in the case of sufficient film formation and thickness.

Important: Mix containers from different charges before using! Carry out a preliminary test! Provide optimum fresh air circulation during product application and drying! Should you fail to heed this guideline, you must count on dealing with a persistent unpleasant odour! Do not use under 12°C!

Spraying data

Spray application:

Cup spray gun with compressed air: 1 - 1.5 mm nozzle, 2 - 2.5 bar spray pressure.

Airless: 0.23 - 0.28 mm nozzle, 4 bar spray pressure, 80 bar material pressure.

4. Cleaning of tools

Clean with BIOFA Verdünnung (Thinner) 0500 immediately after use.

5. Cleaning and maintenance of surfaces

Dry cleaning with a soft broom, cloth, mop or vacuum cleaner brush. Damp cleaning with a pH-neutral, mild cleaner in hand-hot water. We recommend NACASA Universalreiniger (Universal Cleaner) 4010 (BIOFA dealer). See special maintenance instructions for floor surfaces!

Drying

BIOFA Universal Hartöl is dust dry after 6-12 hours, sandable and recoatable after 16-24 hours (20°C / 50-55 % rel. air humidity).

Floors are resistant to minor stress after 3 days, fully stress resistant after 7-14 days.

Heat and good air circulation accelerate the drying process. Low temperatures, high air and surface humidity and use on wood containing tannic acid, tropical wood and cork may slow down the drying process.

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Consumption/spreading rate

1st coat: approx. 60 - 80 ml/m² or 12 - 16 m²/l.
2nd and 3rd coat: 45 - 60 ml/m² or 16 - 20 m²/l
each. Consumption and spreading rate strongly depend on the substrate's absorbency and nature.

Storage

Cool, dry and sealed airtight. Skin formation is possible. Remove skin prior to use. If necessary, sieve oil.

Container size

0.375 l / 0.75 l / 2.5 l / 10 l / 30 l metal containers.

Safety instructions

Warning! Working materials and clothing soaked with product should be stored in an airtight metal container or wet down and left to dry on non-flammable surfaces— **(danger of self-ignition!)**

The product itself is not self-igniting, but is flammable. Contains cobaltbis(2-ethylhexanoate). Can cause allergic reactions. Keep out of reach of children. Do not inhale vapours or aerosol. Use only in well-ventilated areas. When heating or spraying, explosive vapour/air mixtures can be generated! Wear fine dust mask when sanding or grinding. Wear adequate skin protection when preparing! There may be an odour typical of the natural raw materials!

Disposal

Dispose of liquid product residues at collection points for old paints/varnishes or dispose of according to locally applicable regulations. Small quantities of residue and soaked work materials can be disposed of along with domestic waste after drying.

Only recycle cleaned or completely empty packaging with cured deposits or dispose of according to locally applicable legal regulations. Uncleanable packaging and packaging not emptied appropriately must be treated and disposed of like the product!

VOC identification according to Decopaint Directive and ChemVOCFarbV (Directive on the limitation of emissions of volatile organic compounds due to the use of organic solvents in paints and varnishes):

EU limit value (cat. A/e): 500 g/l (2010)

2044 contains max. 490 g/l VOC.

Waste Incineration Ordinance[AVV]-
Waste Code according to European Waste Catalogue: 08 01 11*

GISCODE: Ö 60

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