

## BIOFA Hartwachsöl (Hard Wax Oil) Art. No. 2055

### Properties

BIOFA Hartwachsöl is a high-quality product made from natural raw materials. It freshens the natural texture, emphasises the shade of the treated substrates and provides an open-pored, silk gloss, hard-wearing, water-repellent and largely yellowing-resistant finish. Fulfils the Norm EN 71, Part 3 (Safety of Children's Toys) as well as DIN 53160 (Weld and Mortar Tightness) Suitable for the rational, time-saving surface treatment of all absorptive wooden and cork floors, wooden material boards such as Sterling OSB boards and interior fittings. Suitable as primer and as topcoat.

Ideal topcoat for BIOFA Coloröle (Colour Oils).

### Ingredients

Aliphatic hydrocarbons, ricin oil, colophony resin ester, saffron oil, silicic acid, microwax, aluminium silicate, succinic acid ester, swelling clay, cobaltbis(2-ethylhexanoate), zirconium- and manganese octoate-drying agent, antioxidants.

### Instructions for use:

#### 1. Pretreatment

Substrates must be dry (max. 12% wood moisture) and clean. If necessary, clean with BIOFA Verdünnung (Thinner) 0500. Carry out final sanding with grit size 120 or abrasive mesh for floors and with grit size 180-240 for furniture and interior fittings. Suitable plastic pads can also be used.

#### 2. Basecoat

Stir BIOFA Hartwachsöl well. Apply thinly and evenly by short-pile velour roller and distribute in floor areas. Apply to furniture and interior fittings by brush, roller or spraying. Apply the first coat of oil liberally to highly absorptive or large-pored substrates such as cork, beech, alder, etc. and distribute evenly. Alternatively, prime with BIOFA Universal Hard Ground 3755 solvent free in order to improve penetration and 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 approx. 16-24 hours and remove dust thoroughly. Apply the second coat.

Another application of BIOFA Hartwachsöl may be necessary in the case of highly absorptive surfaces such as cork parquet, etc.

Apply 2 coats of BIOFA Hartwachsöl as final treatment for BIOFA Coloröle (Colour Oils). Carry out intermediate sanding after applying the first coat of BIOFA Hartwachsöl. Tint both coats of BIOFA Hartwachsöl with up to max. 10% of Coloröl (Colour Oil) used for tinting the floor.

**Important: Mix containers from different charges before using Carry out a preliminary test! Provide optimum fresh air circulation during product application and drying! Consequence of non-compliance could lead to a persistent unpleasant odour! Do not use under 12°C!**

### Spraying data

Cup spray gun with compressed air: 1-1.5 mm nozzle, 2-3 bar spray pressure.

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

These data are average values and must be adapted to the respective device system.

### 4. Cleaning of tools

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

### 5. Cleaning and maintenance of surfaces

Clean with a soft, dry cloth. 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

Thoroughly dry after 6-12 hours and ready to sand or paint after 16-24 hours. Floors can be loaded cautiously after 3 days and are fully ready after 7-10 (20°C/50-55 % relative humidity). Heat and good air circulation accelerate drying. At low temperatures, high humidity and subterranean moisture as well as wood that contain tannic acid, tropical woods and cork, drying can take longer

### Consumption/spreading rate

The data and information provided in this technical data sheet are binding. If it is necessary to deviate from these provisions, the Application Technology Department of BIOFA must be consulted in advance. The general rules for structural engineering are to be complied with. With publication of this technical data sheet all previous data sheets regarding this product are no longer valid.

1st coat: approx. 60 - 80 ml/m<sup>2</sup> or 12 - 16 m<sup>2</sup>/l.  
2nd and 3rd coat: 45 - 60 ml/m<sup>2</sup> or 16 - 20 m<sup>2</sup>/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

0.75 l / 2.5 l / 10 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.

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)  
2055 contains max. 440 g/l VOC.

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

GISCODE: Ö 60

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