

## BIOFA Hard Wax Oil Item No. 2055 semi gloss

### Properties

BIOFA Hard Wax Oil is a premium blend from natural oils and resins. It rejuvenates the natural structure of the substrates and results in a film-forming, open-pore, satin, durable, dirt and water-repellent finish. Meets DIN 53160 (perspiration and saliva color fastness). For an efficient, time-saving surface treatment of all absorbing wood and cork floors, engineered wood panels such as Sterling OSB panels, etc. and for furniture and interior built-ins for indoor applications. BIOFA Hard Wax Oil is used as a primer and as a finish coat. Not suited for continuous moisture exposure.

It is the ideal finishing step for BIOFA Color Oils. The oil was tested for anti-slipping properties pursuant to Swiss bfu/EMPA criteria and has the following GS values: Rubber, smooth: GS 2; Rubber, fine grooves: GS 3; Plastics, rough grooves: GS 3; Leather, smooth: GS 1. BIOFA Hard Wax Oil 2055 meets the requirements of the parquet standard DIN EN 14342 DIBt approval number: Z-157.10-104

### Ingredients

Aromatic-free, highly-purified white spirit, ricin oil - colophony resin blend, safflower oil - colophony resin blend, matting agents, alumina, micro-wax, zinc oxide, swelling clay, wetting agents, anti-foaming agents, cobalt-polymer drying agent, zirconium, calcium, and manganese drying agents, antioxidant.

### Processing steps:

#### 1. Preparation

The substrate must be dry (max. wood moisture content: 12 %), and clean; clean with BIOFA Thinner 0500 as needed. Finish sand floor surfaces with 120-150 grit or screen, and with 180-240 grit for furniture and interior built-in applications. Corresponding plastic pads can also be used.

#### 2. Base coat

Thoroughly mix BIOFA Hard Wax Oil. For flooring, apply a thin and even coat with short-pyled velour roller. For furniture or interior built-in applications, use a brush, roller, or sprayer. On heavi-

ly absorbent or large-pore substrates like cork, beech, alder, etc., apply the oil liberally for the first coat and distribute evenly. BIOFA Universal Wood Primer 3755 solvent-free can be used as an alternative primer to achieve a better penetrating effect and to minimize solvents.

#### 3. Intermediate and topcoats

On floors, sand between coats after 16-24 hours with 150-180 screen and with 240 grit on furniture and interior built-ins, then apply a second coat after thoroughly removing all dust. An additional coat of hard wax oil may be required on highly absorbent substrates such as cork parquet. As a topcoat for BIOFA color oils, apply 1 coat of hard wax oil, in which case the hard wax oil is colored with no more than 10% of the same color oil used to stain the floor. A second coat may be required for extremely absorbent substrates.

#### Technical spraying parameters

Compressed air cup gun: Nozzle: 1-1.5 mm, spray pressure: 2 -3 bar.

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

These parameters are average values. Adjust to your own equipment systems as needed.

**Important: Mix containers from different batches before processing! Be sure to test product before proceeding! Ensure sufficient fresh air circulation when processing and drying the products! Failure to observe these instructions may result in long-term odor exposure. Do not use below 12°C.**

#### 4. Equipment cleaning

Clean immediately after use with BIOFA Thinner 0500.

#### 5. Cleaning and caring for the finish

Use a soft, dry rag. For wet cleaning, use a pH-neutral, mild cleaning agent in lukewarm water. We recommend NACASA Universal Cleaner 4010. See special care instructions for floor surfaces!

#### Drying

Dust-dry after 6-12 hours, can be sanded and coated over after 16-24 hours. Floors are ready for light use after 3 days, unrestricted use after 7-10 days (20°C/50-55 % rel. humidity). Heating

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and good air circulation will accelerate drying. Drying may be inhibited in low temperatures, high ambient humidity and substrate moisture, and with tannin-rich woods, tropical woods, and cork.

## Consumption/yield

Construction codes (DIBt) require that a primer coat with BIOFA Universal Wood Primer solvent-free 3755 or BIOFA Color Oil 2110-11 must be followed by a coat of BIOFA Hard Wax Oil 2055 with 25 g/m<sup>2</sup> or 28 ml/m<sup>2</sup> or 2 x 25 g/m<sup>2</sup> hard wax oil 2055.

The following consumption quantities and yields apply if only BIOFA Hard Wax Oil 2055 is used:

1st coat: approx. 60-80 ml/m<sup>2</sup> or 12-16 m<sup>2</sup>/l.

2nd and 3rd coat each 45-60 ml/m<sup>2</sup> or 16-20 m<sup>2</sup>/l.

Consumption and yield greatly depend on the absorption and condition of the substrate.

## Storage

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

## Container

1 l / 2.5 l and 10 l metal containers.

## Disposal

Deposit liquid product leftovers at collection point for old paints/old varnishes, and/or dispose 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. Not completely emptied and cleaned containers must be treated and disposed like the product!

## 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 spread out and allow to dry on non-combustible ground —**(auto-ignition risk!)** The product itself is not auto-ignitable. Keep away from children. Read label before use. Call a POISON CENTER or doctor / physician if you feel unwell. If medical advice is required, have the packaging or identification label ready. Do not get

in eyes, on skin, or on clothing. IF ON SKIN: Wash with plenty of soap and water. Ensure thorough ventilation during application and drying. When processing by spraying, ensure that there is adequate suction equipment and respiratory protection as well as that there is adequate skin protection. When heated or sprayed, explosive vapor / air mixtures can arise! Wear a fine dust mask when sanding! Avoid release to the environment. In the typical smell of the natural raw materials is possible!

Safety data sheet available on request.

German Waste Classification Directive [Abfallverzeichnis Verordnung - AVV] waste code iaw. European waste classification: 08 01 11\*

## VOC labeling iaw. Decopaint directive and ChemVOCFarbV:

EU threshold (Cat. A/i): 500 g/l (2010)

2055 contains max. 450 g/l VOC

GIS CODE: Ö 60+

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