



## Hard Wax Oil<sub>mat</sub>

1 l - 2,5 l - 10 l



**Durable coating with a silky feel and elegant look.**

- fully declared
- with natural raw materials
- colourless
- diffusible and antistatic
- fulfils DIN 53 160 welding and saliva fastness and the parquet standard DIN EN 14342
- dirt and water repellent
- hard-wearing and low yellowing



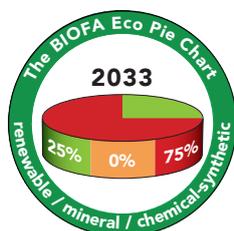
### Properties:

Hard Wax Oil matt is a high-quality product made from natural raw materials. It revitalises the natural structure, deepens the tone of the treated substrates and produces an open-pored, matt, hard-wearing and water-repellent surface that is largely non-yellowing. For the efficient, time-saving surface treatment of all absorbent wood and cork floors, wood-based panels such as Sterling OSB boards, etc. indoors. Suitable for priming and as a top coat. Not for substrates with constant wet exposure. It fulfils DIN 53 160 for welding and saliva fastness, as well as the requirements of the parquet standard DIN EN 14342.

DIBt-Zulassungsnummer: Z-157.10-104

### Ingredients:

Aromatic-free highly purified white spirit, ricin oil rosin resin, modified ricin oil rosin resin, safflower oil rosin resin, matting agent, alumina, micro wax, zinc oxide, swelling clay, wetting agent, defoamer, cobalt, zirconium and manganese drier, antioxidant.



### Directions for Use:

**1. Preparation:** The substrate must be dry (max. moisture content: 12 %), and clean; Remove residues with BIOFA Thinner 0500 as needed. Sand floors with 120 and furniture or paneling with 180-240 grit sandpaper or equivalent.

**2. Base coat:** Stir Hard Wax Oil matt well. For floors, apply thinly and evenly with a flat brush or short-pile velour roller. For furniture or interior surfaces, apply with a brush, roller or by spraying. For highly absorbent or coarse-pored substrates such as cork, beech, alder etc., apply the oil generously during the first application and spread evenly. Alternatively, BIOFA Universal Hartgrund solvent-based Art. No. 3754 or BIOFA Universal Hard Primer solvent-free Art. No. 3754 (please observe the technical data sheets of the corresponding products).

**3. Intermediate and topcoats:** Sand floors between coats after 16-24 hours with 150-180 and furniture with 240 grit paper or equivalent. Remove dust. Apply a second coat as above. An additional coat of Hard Wax Oil may be required on highly absorbent materials, such as cork parquet. As a finish for BIOFA Color Oils 2110, apply 1 coat of Hard Wax Oil mixed with up to 10% of the used Color Oil. Extremely absorbent substrates may require an additional coat.



**Technical spraying parameters: Compressed air cup gun: Nozzle:** 1-1.5 mm and 2 -3 bar pressure. **Airless: Nozzle:** 0.23-0.28 mm with 4 bar pressure, material pressure: 80 bar. These are general parameters. Adjust for your equipment systems as needed.

**Important:** Mix containers from different batches and test product before processing! 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 maintaining the finish:** With a soft, dry cloth. For damp cleaning, use a pH-neutral, mild detergent in lukewarm water. We recommend BIOFA NACASA Universal Cleaner 4010 (BIOFA dealers). For floor surfaces, see special care instructions! Only dry clean the surface for the first 3 weeks after the last oil application.

## Recommended Utensils and Companions:



1. **009949 / 009934** Flat brush, professional quality 50 mm / 70 mm for oilbased products
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

## Consumption/yield:

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

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

Consumption and coverage depend heavily on the absorbency of the substrate.

In accordance with the building authority approval (DIBt)

3 coats of Hard Wax Oil matt, each 25 g/m<sup>2</sup> or 28 ml/m<sup>2</sup> or, after priming with Universal Hard Primer solvent-free 3755 or Colour Oil 2110-2111, two coats of Universal Hard Oil 2044, each 25 g/m<sup>2</sup> or 28 ml/m<sup>2</sup>.

## Drying:

The drying time is 12-16 hours (20°C / 50-55 % relative humidity).

Intermediate sanding and the 2nd coat can be applied after 24 hours.

Slightly loadable after 3 days. Full load-bearing capacity after 7-10

days. Heat and good air circulation accelerate drying. Drying delays due to low temperatures, high humidity and on woods containing tannic acid, tropical woods and cork are possible.

## Storage:

Keep cool, dry and properly sealed. If skin forms, re-move prior to use.

## 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 and safety instructions:

**Harmful to aquatic organisms, with long-term effects. Contains cobalt salt, neodecanoic acid. May cause allergic reactions. Advice for allergy sufferers: Tel.: +49(0)7164-9405-0. Store working 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. Use only outdoors or in well-ventilated areas. If medical advice is required, have packaging or labelling ready. Do not get in eyes, on skin or on clothing. IF ON SKIN: Wash off with plenty of soap and water. Ensure adequate skin protection! When spraying, do not inhale the spray mist and wear suitable respiratory protection (combination filter A2/P2) and safety goggles. Heating or spraying may produce explosive vapour/air mixtures! Use respiratory protection (dust filter P2) when sanding. A typical odour of the natural raw materials is possible!**

**Safety data sheet available on request.**

## VOC labeling iaw. Decopaint directive and ChemVOCFarbV:

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

2033 contains max. 290 g/l VOC

**GISCODE:** Ö 60+