

## BIOFA Universal Hard Ground

contains solvent

**Art. No. 3754**

### Properties

Universal ground coat for interiors. Deep penetrating, it invigorates and deepens the natural structure and tones of the sub-surfaces treated and produces an open-pored and water-resistant surface that is largely free of yellowing. Saturates and strongly levels irregularly absorbent sub-surfaces. . It is suitable as primer for wooden and cork floors, stairs, exterior furniture surfaces, interior fittings such as cotto tiles, highly absorbent, joined stone tiles and other mineral substrates. Suitable as pretreatment for BIOFA Universal Hartöl (Universal Hard Oil) 2044, coloured and finishing varnishes inside, highly absorptive wood, Hartwachs (Hard Wax) 2060/61, Universallack (Universal Varnish) 2050/2051 and Steinöl (Rock Oil) 2100.

### Ingredients

Aliphatic hydrocarbons, ricinen oil, linseed oil, soy bean oil, colophonium resin ester, cobaltbis(2-ethylhexanoate), zirconium, zinc and manganese octoate dryer.

### Instructions for use:

#### 1. Pretreatment

Substrates must be dry (max. 12% wood moisture), clean, free of dust and grease. If necessary, clean with Verdünnung (Thinner) 0500. Mineral sub-surfaces must be stable, clean, dry and alkali neutral. Remove old coatings thoroughly. Wash tropical wood, highly resinous wood and wood containing tannic acid thoroughly with ethyl alcohol or white spirit and allow to dry for at least 24 hours. Pre-sand furniture surfaces with 240 grit size, floor surfaces with grit size 120. The minimum floor temperature is 16°C during the application. Joint sealer used on cotto and stone tiles must be fully dry and cured. When using the product on other

mineral substrate, observe the technical data sheet for Steinöl (Rock Oil) 2100!

When using rock oil on new floors with floor heating, turn on the heating step by step according to instructions and put to full blast for approx. 3 days. Switch the heating off 24 hours prior to the treatment (operate at lowest level in winter) and put back to full blast step by step 72 hours after the last treatment (water circulation with 5°C increase per day, max. circulation temperature: 30°C).

**Observe VOB (Contract Procedure for Construction Work).**

#### 2. Application

Apply 1 thin, even coat of BIOFA Universal Hartgrund by brush, roller, spraying, dip coating, roller or sweeping (e.g. by short-pile, lint-free wiper). Distribute oil residues evenly onto still absorptive patches or remove after approx. 30-60 minutes. In wooden floors areas, implement intermediate sanding with grit size 120-150 abrasive mesh after drying or, alternatively, treat the entire, still damp surface with a disc polishing machine and a green or beige pad (approx. 60 minutes after application). **Important!** Especially absorbent woods such as maple, ash, beech, White Pine, etc. absorb more oil in the wood grain, which is significantly more affected by the strokes and can become darker. Only dip tools into the oils quickly and do not apply too much material onto the surface. Never pour the oil (puddles) and distribute. This leads to strong marking in the cross-grained wood and the edges in this area which cannot be remedied even by sanding.

Carry out intermediate sanding on dried surfaces of furniture and interior fittings oil-treated with BIOFA Universal Hartgrund (Universal Hard Ground) 3754 or rework with an eccentric grinder (green or beige pad), Fladder sanding machine or bale until all the oil has been removed from the surface.

Remove all non absorbed oil entirely from cotto and stone tiles. Tint universal hard primer before application to mineral sub-

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strates, if necessary (see technical data sheet for Steinöl (Rock Oil) 2100)!

When implementing a secondary treatment with BIOFA Hartwachs (Hard Wax) 2060/61, prime a second time with 3754 until the surface is evenly saturated, if necessary.

**Important: Oil residues lead to sticky and glossy surfaces which do not dry completely. Carry out preliminary tests!**

**Provide optimum fresh air circulation during product application and drying!**

**Do not use in the interior of furniture, drawers, etc, since this can engender a persisting unpleasant odour!**

### Spraying data

Cup spray gun: 1.5 - 1.7 mm nozzle, approx. 2.5 - 3.0 bar spray pressure.

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

These values must always be adapted to the specific device used.

### 3. Cleaning of tools

Clean with BIOFA Verdünnung (Thinner) 0500 immediately after use. Soiled thinner can be reused by allowing the sediment to settle and decanting the clean thinner.

### 4. Secondary treatment

Finish wooden floors with BIOFA Universal Hartöl (Hard Oil) 2044, BIOFA Universallack (Universal Varnish) 2050/2051 or Hartwachs (Hard Wax) 2060/2061.

Finish interior fittings and furniture surfaces with

BIOFA Universal Hartöl (Universal Hard Oil) 2044, BIOFA Universallack (Universal Varnish) 2050/2051, BIOFA Hartwachs (Hard Wax) 2060/61 or BIOFA topcoats and coloured varnishes.

Finish cotto and stone tiles and other mineral substrates with Steinöl (Rock Oil) 2100.

### Drying

Sandable and recoatable after approx. 8-16 hours (20°C / 50-55 % rel. air humidity).

Then wax, oil or varnish can be applied. Floors are resistant to minor stress after 3 days, fully stress-resistant after 7-10 days.

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

### Consumption/spreading rate per coat

50-70 ml/m<sup>2</sup> or 15-20 m<sup>2</sup>/l.

The consumption and spreading rate strongly depend on the substrate's absorptivity and nature. If necessary, assess by test application.

### Storage

Cool, dry and sealed airtight. Skin formation is possible. Remove skin prior to use. If necessary, sieve oil. Refill residues into smaller containers and seal airtight.

### Container size:

0.75 l / 2.5 l / 10 l metal containers.

### Safety instructions

**Attention!** Store work materials such as rags, sponges, clothes, sanding dust, etc. soaked with the product in airtight metal containers or rinse, spread and allow to dry on non-inflammable surface (**risk of spontaneous ignition!**). The product itself is not self-igniting, but inflammable.

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 residue at collection points for old paints/varnishes or dis-

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pose 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/h): 750 g/l (2010)

3754 contains max. 540 g/l VOC.

Waste Incineration Ordinance[AVV]-

Waste Code according to European Waste Catalogue: 08 01 11\*

GISCODE: Ö 60

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