

## BIOFA Universal Hartgrund (Universal Hard Primer) Art. No. 3755

### Properties

BIOFA Universal Hartgrund is a universal primer for inside, penetrates deep into the surface, freshens and emphasises the natural texture and shade of the treated substrates and provides an open-pored and water-repellent surface which is virtually yellowing-resistant. It saturates, equalises and stabilises highly and irregularly absorptive and crumbling substrates.

It is suitable as primer for wooden and cork floors, stairs, exterior furniture surfaces, interior fittings such as cotto tiles, jointed 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, cobalt, 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. 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 in the case of light-coloured, highly absorptive wood such as maple, ash, beech, white pine, etc. the cross-grained wood absorbs more oil so that the joint butts become much darker. In this case it is absolutely necessary to add up to 10% of Farbpaste weiß (Colour Paste, white) 2058 to the hard primer and mix evenly. 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 Primer) 3755 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 substrates, if necessary (see technical data sheet for Steinöl (Rock Oil) 2100)!

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.

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When implementing a secondary treatment with BIOFA Hartwachs (Hard Wax) 2060/61, prime a second time with 3755 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!**

**Surfaces treated with hard primer such as wardrobe and cabinet interior parts, shelves, drawers, etc. must dry for at least 8 days at 20-23°C / 50-55% rel. air humidity and optimum ventilation prior to assembly to prevent persistent odour formation!**

### 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 re-used 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.

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 7-14 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 absorbency 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

0.25 l / 0.75 l / 2.5 l / 10 l / 30 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 cobalt octoate. May cause allergic reactions." Keep out of the reach of children. Do not breathe vapour/aerosol. Only use in well ventilated areas. Provide for sufficient skin protection during the application. **Wear fine dust respirator when sanding!** The natural raw materials used may cause type-specific odour!

### Disposal

**Dispose of liquid product residue 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**

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**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 (2007)

3755 contains max. 530 g/l VOC.

Waste Code according to European Waste Catalogue: 08 01 11\* GISCODE: Ö 60

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