

## BIOFA Steinöl farblos / farbig (Rock Oil, colourless / coloured) Art. No. 2100

### Properties

BIOFA Steinöl is made from high-quality, renewable raw materials and provides a silk gloss, hard-wearing, water-repellent finish which is largely yellowing-resistant if tinted in colour. Depending on the substrate it is suitable as colourless or transparent tinted primer and topcoat for absorptive mineral substrates inside.

We recommend to generally tint the rock oil. When using colourless rock oil more or less strong yellowing is to be expected.

### Ingredients

Aliphatic hydrocarbons, ricinen oil, safflower oil, colophonium resin ester, pigments depending on colour shade, silicon dioxide, micro wax, swelling clay, cobalt, zirconium and manganese octoate dryer, antiskinning agent.

### Observe the following:

**Natural texture, light, uncoloured substrates** such as terrazzo, artificial stone and natural stone slabs: Treat with rock oil and add 10% of BIOFA Farbstabilisator (Colour Stabiliser) 2108.

**Natural texture, coloured to dark substrates** such as cotto tiles, artificial stone and natural stone slabs: Coat with transparent rock oil.

**Monotone substrates** such as cement and anhydrite screed, finely smoothed concrete, etc.: Treat with tinted rock oil.

BIOFA Steinöl can be tinted in accordance with RAL or NCS in the factory or be tinted with the following BIOFA Coloröle (Colour Oils) by the user: copper brown 2110-09, yellow 2110-21, red 2110-22, beige 2110-23, orange 2110-24, pastel orange 2110-25, pastel turquoise 2110-26, pastel blue 2110-27, white green 2110-28, emerald green 2110-29, green 2111-11, capri blue 2111-12, signal blue 2111-13, black brown 2111-14.

With light colours and pastel colour shades, tint the basecoat, intermediate coat and topcoat with up to max. 10% of the respective colour oil.

**Attention!** Do not tint purely white! When tinting in colour, the intermediate coat and topcoat must always be tinted in the same colour shade.

### Instructions for use:

#### 1. Pretreatment

Substrates must be free of grease, clean, alkaline neutral and dry (residual moisture of cement screed < 1.5 CM %, residual moisture of anhydrite screed < 0.5 CM %), be sanded and dust be removed according to the manufacturer's instructions. Sand anhydrite screed thoroughly up to grit size 60.

The minimum floor temperature during the application is +16°C.

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

#### 2. Basecoat

First prime anhydrite screed, cement screed, filling compounds based on cement and concrete surfaces with Steinölgrund lösemittelfrei (Rock Oil Primer, solvent-free) 3760. Proceed accordingly with other absorptive and crumbling concrete surfaces.

It is not necessary to prime slightly absorptive substrates. Here, apply one even cross coat of rock oil by short-pile flooring roller.

**Attention!** Cotto tiles must be primed with BIOFA Universal Hartgrund farblos (Universal Hard Primer, colourless) 3755. Otherwise the surfaces may turn out uneven (stains, shading, etc.). Avoid oversaturation of the substrate when priming!

As informações e indicações da ficha técnica são vinculativas e fornecidas pela BIOFA. Em caso de necessidade de desviar-se destes regulamentos, o departamento técnico de aplicação da BIOFA tem de ser contactado antes. Devem ser cumpridas as regras gerais da técnica de construção. Com a publicação desta ficha todas as anteriores perdem a validade

### 3. Intermediate coat and topcoat

Apply two cross coats of BIOFA Steinöl farblos or Steinöl farbig evenly and without overlaps by short-pile velour roller.

When treating slightly absorptive substrates such as terrazzo, various synthetic stone and natural stone slabs, etc., apply colourless rock oil thinly once or twice with a mop. The user can adjust the workability and the amount to be applied with BIOFA Verdünnung (Thinner) 0500.

**Attention!** Anhydrite screed is not waterproof. This is why it is important that the rock oil film is closed.

**Important: It is absolutely necessary to carry out a preliminary test!**

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

### 4. Cleaning of tools

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

### 5. Cleaning and maintenance of surfaces

Dry cleaning with a soft broom, cloth, mop or vacuum cleaner brush. Damp cleaning with a pH-neutral, mild cleaner in hand-hot water. We recommend NACASA Universalreiniger (Universal Cleaner) 4010 (BIOFA dealer). See special cleaning and maintenance instructions for floor surfaces!

### Drying

Dust dry after 6-12 hours and recoatable after 16-24 hours (20°C / 50-55 % rel. air humidity). The floors are resistant to minor stress after 3 days and fully stress-resistant after 7-14 days.

Low temperatures, high air humidity and surface moisture as well as residual alkalinity may slow down the drying process.

### Consumption/spreading rate per coat

Basecoat: 80–120 ml/m<sup>2</sup> or 8-12 m<sup>2</sup>/l.

Intermediate coat and topcoat: 60-100 ml/l<sup>2</sup> or 10-16 m<sup>2</sup>/l.

The consumption and spreading rate strongly depend on the substrate's absorbency.

### Storage

Cool, dry and sealed airtight. Skin formation is possible. Remove skin prior to use. If necessary, sieve oil.

### Container size

0.750 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 and butanonoxime. 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 legal 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 (2007)

2100 contains max. 490 g/l VOC.

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

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