

BIOFA Wetterschutzöl

(Weather Protection Oil)

Art. No. 2043

Properties

Colourless oil for treating weathered wooden surfaces outside. It penetrates deep into the wood, freshens and preserves the natural wood texture, protects it from moisture and delays the typical greying process, if appropriate secondary treatment is provided. The natural darkening of the wood outside cannot be prevented though. The product contains no chemical-synthetic UV protectors or wood preservatives.

Suitable for the basic treatment and maintenance of all sanded, planed and roughly sawn wood outside. Do not use for dimensionally stable components (windows, doors, etc.).

Make sure that the wood is designed according to the rules of constructive wood protection and surface water is avoided. Vertical wood must be sealed from below to prevent water from rising in the wood and to prevent fungoid growth. It is recommended to prime wood prone to fungi and infested wood with a fungicide. Oil that has not been absorbed by the wood may cause glossy patches which will be equalised by weathering.

Attention! BIOFA products for outside are designed to round off the structural protection of wood. According to the BIOFA philosophy we do without hazardous substances in our products as far as possible. This is why the structural protection of wood must always be taken into consideration (DIN 68800-2(4)). In addition to the correct implementation of the construction, the correct choice of the wood type or quality is decisive. The durability classes according to DIN EN 350-2 and the resistance classes according to DIN 68364 provide information on the stress resistance of wood in different weather situations. In some cases, chemical wood protection is inevitable. This is why

DIN 68800 DIN 68800 specifies in detail how to use such products.

Ingredients

Linseed oil, aliphatic hydrocarbons, tall oil fatty acid esters, wood oil preparation, ricin oil, colophony resin-ester, microcrown, cobaltbis(2-ethylhexanoate), zirconium- and zinc octoate-drying agent, antioxidants

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.

Final sanding (grit size 180) prior to the treatment is required for garden and terrace furniture.

2a. Dimensionally instable components

Apply a thin coating by spraying, roller or brush 3 times every 16-24 hours. Observe the spreading rate. Pay special attention to front sides.

2b. Garden furniture, playground equipment and balconies

Apply a thin layer of weather protection oil by spraying, brush or roller (flat brush with plastic or mixed fibre bristles, velour roller) 3 times every 16-24 hours. If necessary, carry out intermediate sanding with grit size 180-240. Avoid oil puddles in corners and recesses in furniture, slatted frames or edge joints.

Important: Perform tests. Mix containers from different charges before using!. Use and application in strong sunlight is not admissible because it leads to wrinkling and exuding of the oil which renders the surfaces sticky.

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.

Provide optimum fresh air circulation during product application and drying indoors! Allow treated furniture to dry for at least 48 hours prior to use!

Carry out preliminary tests!

2c. Spray application

Cup spray gun: 1-1.5 mm nozzle, 2-2.5 bar spray pressure.

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

3. Cleaning of tools

Clean with Verdünnung (Thinner) 0500 immediately after use.

4. Secondary treatment of components, balconies and playground equipment

Depending on weathering and exposition, secondary treatment of the oiled surfaces is required every 1-3 years and once a year in case of horizontal wooden surfaces to ensure durable protection.

5. Maintenance of garden and terrace furniture

For maintenance, apply one thin layer of oil and polish dry with a lint-free cotton cloth after 30 min.

Drying

The oil is dry and recoatable after 16-24 hours (20°C / 50-55 % relative air humidity). Allow the last coating to dry for at least 48 hours prior to use of the furniture.

Consumption/spreading rate per coat

Components: 30-50 ml²/m or 20-30 m²/l. A much higher consumption rate is to be expected on roughly sawn wood.

Furniture: 20-30 ml/m² or 30-50 m²/l.

However, consumption and spreading rate strongly depend on the wood's absorbency.

Storage

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

Container size

750 ml / 2.5 l / 10 l metal containers.

Safety instructions

Work materials and clothes soaked with product should be stored in an airtight metal container or wet down and spread out to dry on a non-flammable surface –(**danger of self-ignition!**) The product itself is not self-igniting, but is flammable. Contains cobalt-bis(2-ethylhexanoate). Can cause allergic reactions. Keep out of reach of children. Do not inhale vapour/aerosol. Only use in well-ventilated areas. When heating or spraying, explosive vapour/air mixtures can be generated! Use adequate skin protection during preparation. Wear a fine dust mask when sanding or grinding! There may be an odour typical of the natural raw materials!

Disposal

Dispose of liquid product residues 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 Deco-paint 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): 400 g/l (2010)

2043 contains max. 210 g/l VOC.

Waste Incineration Ordinance[AVV]-

Waste Code according to European Waste Catalogue: 08 01 12*

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